**Users’ Role and Responsibilities (Guide)**

**Administrator**

**Roles & Responsibilities:**

* Manage the overall system and user roles
* Register authorized devices
* Manage courses and assign instructors
* Generate various reports
* Capture student photos and information
* Ensure security through OTP and QR validation

**Functional Requirements:**

* Register a phone, tablet, or computer to an instructor
* Capture and store:
  + Student passport-style photo
  + Student’s name and University ID
* Generate and access reports:
  + Attendance reports
  + Student lists
  + Lecturer lists
  + Course lists
  + Enrolment per course
* Assign course schedules
* Enrol or remove students
* Link devices to specific instructors
* Use GPS and OTP authentication
* CRUD operations for courses

**Lecturer / Instructor**

**Roles & Responsibilities:**

* Record and manage attendance for enrolled students
* Access and view course details
* Use a registered device for scanning students’ QR codes

**Functional Requirements:**

* Register multiple devices (1 device = 1 instructor)
* Scan QR codes of students in real-time to record attendance
* View student enrolment, attendance history, and course details
* Remove students who dropped a course
* Locate lost registered phone (if needed)

**Student**

**Roles & Responsibilities:**

* Participate in classes and track attendance

**Requirements:**

* View own attendance record (read-only access)
* Have a unique QR code for identification and verification
* Get location-verified during attendance (via GPS)
* Cannot modify or delete attendance records