**Subject: Web Programming (A)**

**Title: Emergency Blood Donation Finder**

# **Description:**

A web platform connecting individuals in urgent need of blood with available donors based on blood type compatibility. The system ensures quick response by tracking donor availability and facilitating seamless communication.

# **Scope:**

* **User Roles:** Patients, Donors, Hospitals
* **Core Features:**
  + **Blood Type Matching:** Users can find compatible donors based on their blood type.
  + **Real-time Availability:** Displays available donors based on their last active status.
  + **User Authentication:** Secure login and profile management for donors and recipients.
  + **Request System:** Patients can send requests to available donors.
  + **Notification System:** Instant alerts for blood requests via email.
  + **Donation History:** Tracks past donations and availability status.