



## Cover page

Project title: LiveSpot

Academic Year: 2025

Group Members: Mohammad Hamdan

Department Name:

Momen Anani

Engineering and Information Technology

Project Type: Software

Supervisor Name: Anas Taama

### Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

### Abstract Body:

#### Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**



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## Project's Abstract:

This project developed **LiveSpot**, a real-time, location-based news tracking and verification platform designed to combat misinformation through location-verified community reporting and news aggregation. The platform addresses the growing problem of fake news and fragmented information sources by creating a unified application where users can report real-time events, verify ongoing incidents, and access curated news from multiple external sources within their local communities.

The application was implemented using the Flutter framework for cross-platform compatibility across Android, iOS, and web platforms. It is integrated with Firebase for real-time messaging and a Django REST API for backend services. Key implemented features include GPS-based location verification for posts, a community-driven honesty scoring system, intelligent threading that automatically groups related events, crowd-sourced event status verification through “still happening” votes, comprehensive news aggregation with external API integration, interactive mapping using OpenStreetMap, and AI-powered messaging suggestions using the Google Gemini API. The system employs location-based authentication to ensure post authenticity and implements automatic content threading to enable collaborative event tracking.

The development resulted in a fully functional news tracking and verification platform capable of real-time event reporting with location verification, successful integration of multiple external news sources, implementation of community-based credibility systems, and deployment across multiple platforms using a single codebase. The platform demonstrates cross-platform functionality, real-time data synchronization, and effective integration of location services with news tracking features. Testing confirmed reliable performance across different devices and operating systems, with successful implementation of all core verification and aggregation features.