Project Proposal

Suitability

	Module		Description	Credits
☐	CS4099		SH Major	30

Project Title

Opportunistic network for investigating routing protocols and privacy

Description

A smartphone based opportunistic network capable of sending messages using a variety of routing protocols while protecting user's privacy by obfuscating message metadata. It will implement protocols based on network flooding, social network routing and location aware routing. The protocols will attempt to protect message metadata and routing information (such as social friends lists, location and sender). The program will use a suitable medium for message transfer (such as ad-hoc wifi).

Artifact(s)

- A formal specification of the routing protocols being implemented.
- A program for a smartphone that implements these protocols.
- An evaluation of the protocols with real users.

Proposer

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Date

23/5/14