The University of Birmingham
School of Computer Science
MSc in Advanced Computer Science

SECOND SEMESTER MINI-PROJECT

Analysing User Interaction On Mobile Devices

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Supervisor: Mirco Musolesi

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Abstract

abstract   here.

Keywords
keywords here.

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Introduction

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Appendix A

Mini-Project Declaration

The University of Birmingham
School of Computer Science

Second Semester Mini-Project: Declaration

1. Project Details

Name: Karthikeya Udupa Kuppar Manjunath

Student number: 1393456

Mini-project title: *Analysing User Web Interaction On Mobile Devices.*
Mini-project supervisor: Mirco Musolesi <m.musolesi@cs.bham.ac.uk>

2. Project Description

The following questions should be answered in conjunction with a reading of your programme handbook.

A i m o f m i n i-project	*To capture and analyse the way in which the user interacts with his device in relation to his context.*

Objectives to be achieved	• *Development of a methodology to capture user's interaction with his mobile device.*
	  • *Identifying the URL's being accessed by the user.*
	  • *Tracking the application's usage by the user.*
	• *Identifying the various context's associated with the user during the interaction.*
	  • *Finding the location of the user when the content was accessed along with time.*
	  • *Uniquely identifying the user amongst all other users.*
	  • *Tagging of important location with respect to the user.*
	• *Storing and categorisation of the information that is collected from the user.*
	  • *Identifying the nature of the content on the website.*
	  • *Identifying the nature of the application that is being used.*
	• *Analysing the possible use of such information in development of anticipatory systems.*
	• *Literature review of anticipatory systems.*

Project management skills **Briefly explain how you will devise a management plan to allow your supervisor to evaluate your progress**	*The initial 4 weeks period would be dedicated to understanding the various possible approaches to collect the various possible information from the user.* *A two week period would be to analyse the information to build an effective application for gathering of information (in android platform).* *The reminder of the time would be given to analysing the information that has been collected and understanding the possible usage and also in perfection of the application.* *To Summarise the plan.* • ***Week 1-4:*** *Understanding the approaches to extract the various possible information from the user.* • ***Week 5-6:*** *Development of an refined application to collect and display the relevant information.* • ***Week 6-9:*** *Formulating and finalising a report concluding the findings and possible applications of information that was collected.*

Systematic literature skills **Briefly explain how you will find previous relevant work**	*The primary source of the previously done relevant work would be through the library and the online research/conference paper archives.* *Further information would also be gained by interacting with the various people working in the related fields.*

Communication skills **What communication skills will you practise during this mini-project?**	*A bi-weekly meeting with the mini-project supervisor to discuss and update the progress of the project with intermediate updates through email.* *Email would be used as a primary means to contact the supervisor in case of any requirement of assistance.*

3. Project Ethics Self-Assessment Form

Appendix B

Statement of information search strategy

statement of search