

# Appendix – Project Registration Form

## MCS COMMITTEE ON THE ETHICS OF RESEARCH

### Registration of a Research Project

This form must be completed by the Researcher(s) and, in cases where the applicant is a student, the project Supervisor to determine if the project requires approval by the FSE Research Ethics Committee.

YOUR DETAILS	
<b>First Name:</b> Sajat Prasad	<b>Surname:</b> Shrestha
<b>Student Number:</b> 2050089	<b>Supervisor:</b> Bhanu Aryal
<b>Course:</b> BSc. (Hons) Computer Science (Software Engineering)	
<b>Project Title:</b> Management System for Undergraduate Projects	
YOUR PROJECT	
<p><b>State in no more than 100 words the problem(s) your project is aiming to address</b></p> <p>The project will be a mobile application which will classify the user's transactions into categories with machine learning which help the user identify his expenses better with statistical and probabilistic analysis. In addition the application will forecast the expenses for the next month using linear regression algorithm.</p> <p>Academic Question</p>	
<b>Will the information or artefact resulting from your project be available externally to the University?</b>	<p><b>YES/ NO</b></p> <p>If yes, please complete an <a href="#">External Agreement Form</a></p>
<b>Will your project involve:</b> (a) Human participants (b) Data about humans (c) Sensitive information	<p><b>YES/ NO</b></p> <p>If yes, please complete Page 2 of this form. Otherwise, please sign the top of Page 3, and if necessary pass it on to your supervisor.</p>

Human participants	Yes	No
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<ul style="list-style-type: none"> <li>• If your proposal involves healthy adult participants, does the project have characteristics that may be detrimental to their physical or mental wellbeing?</li> </ul>		✓
<ul style="list-style-type: none"> <li>• Does the proposal involve vulnerable participants (for example, are they under 18 years of age, do they have a disability or are mentally unable to consent)?</li> </ul>		✓
<b>Privacy</b>		
<ul style="list-style-type: none"> <li>• Does the proposal involve processing of genetic information or personal data (e.g. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)</li> </ul>		✓
<ul style="list-style-type: none"> <li>• Does the proposal involve tracking the location or observation of people without their knowledge?</li> </ul>		✓
<b>Research on Animals</b>		
<ul style="list-style-type: none"> <li>• Does the proposal involve research with animals?</li> </ul>		✓
<b>Research Involving Developing Countries</b>		
<ul style="list-style-type: none"> <li>• Is any of the research involving one of the <a href="#">Least Developed Countries?</a></li> </ul>		✓
<b>Dual Use</b>		
<ul style="list-style-type: none"> <li>• Does the research have direct military application?</li> </ul>		✓
<ul style="list-style-type: none"> <li>• Does the research have the potential for terrorist abuse?</li> </ul>		✓

**This form should be filled in and submitted to the corresponding assignment on Canvas by the student (in the case of student applicants).**

**Print this page and fill in with your supervisor (the student may also want a copy for themselves).**

## **Project Title:**

Student Name: Sajat Prasad Shrestha  
\_\_\_\_\_

Student Number: 2050089

Supervisor Name: Bhanu Aryal  
\_\_\_\_\_

- ☐ **We confirm that the information given in this form is true, complete and accurate.**

Student Signature: \_\_\_\_\_  
\_\_\_\_\_

Date:

Supervisor Signature: \_\_\_\_\_  
\_\_\_\_\_

Date:

Thank you for completing this form. The MCS Ethics Committee will process the information provided and inform you of their decision shortly.

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### **FOR MCS ETHICS COMMITTEE USE ONLY**

The MCS Ethics Committee:

- ☐ approves this project. You may proceed with your project.
- ☐ your project requires approval by the FSE Research Ethics Committee. Please complete the **MCS\_REC\_Application Form**.

Project Coordinator Signature (if applicable) \_\_\_\_\_ Date: \_\_\_\_\_

## Appendix – Project Clearing Form (PCF).

### Project Clearing Form

You will be allocated a supervisor to discuss a possible project by the project's module team.

<b>Last Name:</b>	Shrestha
<b>First Name:</b>	Sajat Prasad
<b>Student No:</b>	2050089
<b>University Email Address</b>	np03a190211@heraldcollege.com.n
<b>Course Name or Award Title.(if unsure please look up on e-vision)</b>	BSc. CS

**Please complete EITHER section A or B**

**A. Complete the box below if you have a possible project in mind.**

*Add the project details below*

*Title:* Finance Application

*Brief outline of the project:* Financial tracking, analysis and forecasting for the user's transactions

*Artefact to be produced:*

Linear regression model to forecast the expenses

Naïve Bayes algorithm to auto categorize transactions

Detailed analysis and logging

**B. Complete the box below if you do not have a specific project in mind**

*Add the project area of interest below*

*Eg. Networking, Games development, Software development, Hardware development, Web development.*

**C. Please add the name(s) of staff if you have spoken to about your project specified in A or B above.**

*Add staff name(s) below*

Bhanu Aryal (Supervisor)

Please submit this form to Canvas – Clearing form upload

## Appendix - SUPERVISORS' Project Proposal Report Marking/Feedback Sheet (0%).

### Professionalism and Project (40 Credit) Marking and Feedback Sheet - PASS/FAIL

		Supervisor: <i>Upload the Marking/Feed</i>
Student No: 2050089	Student Name: Sajat Prasad Shrestha	
Supervisor: Bhanu Aryal	Date: 2021/11/14	

Assessment Criteria		
BCS Check	The project must be <b>practical and problem solving in nature.</b> Typical Artefacts: Software/hardware/system(s) development to produce a fully working or prototype based system OR The implementation of a suitable algorithm OR The development of a testable design of suitable complexity?	
	Is the project related to the course of study? Includes design, development and testing?	
The Report	<b>Introduction:</b> <b>Background to the project, what you intend to do.</b> <i>Consider: Details/clear/level of understanding/etc</i>	
	<b>Initial research into sources of information:</b> Consider: Range and quality: <i>Up to date, papers, articles, web, etc.</i>	
	<b>Report</b> <i>Consider: Structure, Spellings/grammar. References.</i>	
	<b>Project Plan</b> <i>Consider: Level of detail, Planning. Milestones and interim deliverables</i>	
The Artefact (Proposed)	<b>Artefact:</b> <i>Consider: Meets BCS accreditation, Level of detail provided, appropriate to the project, justification of the artefact. Planned Development - analysis, design, testing</i>	