

ICT ADVANCED PROJECT AGREEMENT

This Agreement for CP5046 / CP5047 ICT Advanced Project (the "Agreement") is signed between:

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| 1. Prabhjot Kaur 2. Raja Vignesh Virkudi Raghunath 3. Srikaustubh Mandaleeka 4. Rohit Targotra | Developers |
| JCU Skin Cancer Research Unit represented by Simone Harrison, College of Public Health, Medical and Veterinary Sciences 1 James Cook Dr, Douglas QLD 4811 | Client |

The Agreement governs the rules between the Client and the Developers regarding the project to be developed as academic subject at James Cook University Brisbane.

1. PROJECT DESCRIPTION AND GOALS

The project described within this document is a browser based Web Application with the specific goal of helping JCU Skin Cancer Research Institute to collect data for monitoring feedback for sun protection habits as a part of skin cancer prevention research program. Our main goal is to design a web application that is compatible across different platforms (smartphones, tablet, iPad, laptops, etc.) With an aim to tackle current use of Android app. This major target, i.e. browser supported web application because of the ubiquity and ease of use that browsers have achieved through Responsive Web Design in recent times. This application will be developed for an existing website under [JCUB ITGROUP](#).

2. DELIVERABLES

Below are the deliverables of this project.

- Browser based Hat count application
- Source code
- Documentation

3. APPROACH TO DEVELOPMENT

a) This project has the timeframe between the 21st of November 2017 and 8th of June 2018 to be completed and is subject to the trimester structure corresponding to Study Periods 23 and 24 2018 from James Cook University Brisbane.

b) The approach taken for project implementation is dictated by the corresponding Subject Outline and is based on agile methodologies: the First Iteration will be dedicated to gathering requirements, project planning and creating hat application leading to Alpha Release. Similarly, the Second Iteration will be dedicated to fixing issues from Alpha release, Swimming carnival app and bug fixes leading to Beta Release.

c) Between releases, the Developers will seek the Client's feedback on the implemented requirements and will revisit the requirements to be developed. It is envisaged that the Client will give timely feedback on the Developers' work and will allow the necessary time for meetings and discussions. The Developers and the Client will negotiate on the requirements to be developed considering the time constraint.

d) For educational purposes, the Developers might be asked to implement a series of requirements that the Client does not need. In this case, the Developers will remove these features from the project version delivered to the Client.

e) Project release data and content is to be provided by the Client and it is not part of the development process. The Developers can contribute with data and content for testing purposes.

f) The developing environment is to be configured by the Developers using resources provided by James Cook University Brisbane. If the implementation requires the use of software which is not freely available, the Client should provide access to it.

g) The Developers are responsible of code backup for the whole duration of the project. After the project's termination, operations such as backup, updates or content changes are the responsibility of the Client.

h) For marking purposes only, the Developers will submit copies of the Project Source Code after each release.

4. TIMELINE AND PROJECT REQUIREMENTS

The following scheme describes the major milestones of implementation.

a) Alpha release:

- Start date: 02/01/2018
- End date: 07/02/2018
- Requirements to be developed:

| User stories log | | | | | | |
|-------------------------|----|-----------------|--|----------|-------------|--------|
| Release | Nr | User Story | Description | Priority | Time (days) | Status |
| Alfa ICT1 5 weeks | 1 | Hat Application | Creating forms for hat application which will be used by user for providing different sun protection habits from different observations | 10 | 5 | |
| | 2 | Hat app Data | The application will require user to enter the location and variables as per the previous android app which allow us to determine the proportion of people wearing a hat. It also captures the timestamp(duration for which the user has used the app to submit the observations) when user submits the data | 20 | 5 | |
| | 3 | Authentication | Creating a user interface where only the verified blue card holders can access the hat application | 10 | 5 | |
| | 4 | Administration | The administrator of the website will be able to view the data collected from the user (from the data collected in hat application) | 30 | 10 | |
| | 5 | Excel Export | the administrator will be able to export the user data into excel files | 40 | 10 | |
| | 6 | Forget password | User will be able to retrieve the password if he/she forgets the password in the website | 30 | 2 | |

b) Beta and Final release:

- Start date: 19/03/2018
- End date: 25/05/2018
- Requirements to be developed:

| Title | Description | Client Priority | Time estimate (days) |
|------------------------------------|---|-----------------|----------------------|
| Swimming Carnival app | Browser based application for swimming carnival | 10 | 20 |
| Authorisation | Authorising user's for accessing swimming carnival app | 10 | 5 |
| Previous bug fixes and alteration | Add or modify contents in skincancerresearch existing website | 30 | 10 |
| Updating user profile (User Email) | User will be able to update or alter email ID or Phone number | 40 | 10 |

5. BUDGET

a) The deliverables are offered free of charge by the James Cook University Brisbane to the Client through the work of the Developers. The Client may request the implementation of requirements that are excluded from the list above, but this is subject to payment as further negotiated.

b) Any third party resources which are not freely available, such as templates, images, SSL certificates, licenses, etc are to be purchased and delivered by the Client.

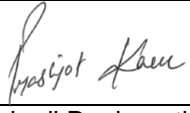
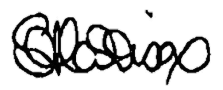

6. INTELLECTUAL PROPERTY

a) Any idea or deliverable emerged during the implementation of this project becomes Intellectual Property of the Client. This applies to all development iterations.

b) Third party resources used (templates, themes, Google Maps etc.) are subject to the Terms and Conditions of their Owner.

7. PROJECT COMMENCEMENT

This agreement was signed today, 21st of December 2017, between the two parties, leading to the project's commencement:

| Developers | Client |
|--|---|
| Prabhjot Kaur | JCU Skin Cancer Research Institute (Simone Harrison) |
| Signature:  | Signature:  |
| Raja Vignesh Virkudi Raghunath | |
| Signature:  | |
| Srikaustubh Mandaleeka | |
| Signature: | |
| Rohit Targotra | |
| Signature: | |