# Project Progress Tracking Form

IS52018C Software Projects 2018

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| **Project Name** | Augmented Reality Navigator |
| **Project Number** | 14 |
| **Document Start Date** | 08/10/2018 |
| **Business Plan Objective** | To develop a navigation assistant application for composited structures and spaces, specifically looking at museums |
| **Sponsor/Supervisor** | Basil Elmasri |
| **Project Manager** | Jonathan “JT” Tang |

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| **Budget/hrs** | |
| Resource Name (Student Name) | Budget/hrs |
| Hamza Sheikh | 220 |
| Jonathan Tang | 220 |
| Hardik Ramesh | 220 |
| Nicholas Orford-Williams | 220 |
| Arif Kharoti | 220 |
| Gabriel Sampaio Da Silva Diogo | 220 |

**Status/Progress**

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| **Date** | Task ID | Status | Resources Used: Name & hrs |
| 08/10/2018 | 001 | Conceptualising potential software project ideas | All members / 3h30m |
| 10/10/2018 | 002 | Conduct research based around discussed idea | All members / 1h ea. |
| 15/10/2018 | 003 | Discuss prospective stakeholders | All members / 1h ea. |
| 15/10/2018 | 004 | Create questionnaire to attach in contact with stakeholders, gather requirements | Gabriel, Hardik / 1h ea. |
| 15/10/2018 | 005 | Send emails and get in contact with stakeholders | Arif / 1h |
| 15/10/2018 | 006 | Market Research: current solutions to the existing problem, competitors, studies on museum visitors’ behaviour and the retail experience, regulations and standards, footfall in museums | Nicholas, Hamza, JT / 7h ea. |
| 22/10/2018 | 007 | Model Driven Development: Use Case Diagram | JT / 1h |
| 22/10/2018 | 008 | Model Driven Development: Activity Model | Hardik, Arif, Nicholas / 1h ea. |
| 22/10/2018 | 009 | Model Driven Development: Write-up | Hamza, Gabriel / 1h ea. |
| 29/10/2018 | 010 | Concept Validation & Prototyping: Prepare open questions | All members / 1h ea. |
| 29/10/2018 | 011 | Gannt Chart | JT / 1h |
| 29/10/2018 | 012 | Concept Validation & Prototyping: Initial Application Storyboard | Hamza, Arif, Nicholas / 1h ea. |
| 05/11/2018 | 013 | Prototype UI & UX designs | Hamza / 1h |
| 05/11/2018 | 014 | Meet stakeholders and visit museums to speak to potential users to gain feedback for prototype | Hamza, Nicholas, JT / 1h ea. |
| 12/11/2018 | 015 | Continue UI & UX Prototype designs | Hamza, Arif, Nicholas / 2h ea. |
| 12/11/2018 | 016 | Research on Android/iOS platforms: Specifically looking at Android, iOS and Unity | JT, Gabriel, Hardik / 2h ea. |
| 19/11/2018 | 017 | Finalise UI & UX prototypes and test | Hamza, Arif, Nicholas / 2h ea. |
| 19/11/2018 | 018 | Refine the Android Prototype and test | JT, Gabriel, Hardik / 2h ea. |
| 26/11/2018 | 019 | Create a backlog | Hamza, JT / 1h ea. |
| 26/11/2018 | 020 | Define User Stories & Acceptance Stories | Arif, Nicholas, Hardik, Gabriel / 1h (Arif) |
| 03/12/2018 | 021 | Create the MVC | Hamza, JT, Gabriel / 1h ea. |
| 03/12/2018 | 022 | Continue User Stories & Acceptance Stories | Arif, Nicholas, Hardik, Gabriel / 1h ea. |
| 03/12/2018 | 024 | Kanban Defined | All members / 30m ea. |
| 03/12/2018 | 025 | Presentation preparation | JT, Nicholas / 30m ea. |
| 10/12/2018 | 026 | Defining scrum board and Christmas planning | All members / 1h ea. |
| 14/01/2019 | 027 | Testing Plan: Documentation & Test Cases | Hamza (3h), Arif (1h), JT (3h) |
| 14/01/2019 | 028 | Sprint 1: Raspberry Pi/Bluetooth Prototyping | JT, Gabriel / 10h ea. |
| 14/01/2019 | 029 | Sprint 2: Navigation | Gabriel, Hardik, JT / 3h ea. |
| 21/01/2019 | 030 | Sprint 2: Navigation | Gabriel, Hardik, JT / 3h ea. |
| 21/01/2019 | 031 | Bluetooth Component & Hardware Setup | Nicholas, Arif / 1h ea. |
| 28/01/2019 | 032 | Integration and Unit Testing of Bluetooth module and Route Calculations | Gabriel, Nick, Arif / 3h ea. |
| 04/02/2019 | 034 | Sprint 3: Augmented Reality Implementation | Hamza, JT / (5h ea.) |
| 11/02/2019 | 035 | Sprint 3: Augmented Reality Implementation |
| 11/02/2019 | 036 | Complete Testing for Bluetooth & Route Calc. Integration | Gabriel, Nicholas, Arif / 2h ea. |
| 11/02/2019 | 037 | Documentation | JT / 6h |
| 25/02/2019 | 038 | Continue implementation | Gabriel, Nicholas, Hamza / 5h ea. |
| 25/02/2019 | 039 | Continue testing | Hardik, Arif / 1h ea. |
| 04/03/2019 | 040 | Continue testing | Hardik, Arif / 2h ea. |
| 04/03/2019 | 041 | Presentation preparation | All members / 30m (JT 1h+) |
| 04/03/2019 | 042 | Review and continue implementation | Hamza, Gabriel / 5h ea. |
| 06/03/2019 | 043 | Discuss and begin integration of separate sprints | Hamza, Gabriel / 1h ea. |
| 11/03/2019 | 044 | Practice presentation with supervisor | Hamza, Arif, Gabriel, Hardik / 1h ea. |
| 11/03/2019 | 045 | Review and finalise presentation slides | All members / 1h ea. |
| 18/03/2019 | 046 | Deployment Plan | Hamza, Arif, Hardik / 5h ea. |
| 18/03/2019 | 047 | Report planning | JT, Nicholas, Gabriel / 1h ea. |
| 22/03/2019 | 048 | Finalising deployment plan | JT, Hamza / 1h ea. |

**Milestone Revision Plan**

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| Milestone ID | Revision Plan, including budget revision | Existing Milestone Date | Revised Milestone Date |
| 1 | Introduction to Software Projects & Project Planning: Concept Defined | 08/10/2018 | 12/10/2018 |
| 2 | Requirements & Market Study | 15/10/2018 | 19/10/2018 |
| 3 | Model Driven Development: Service Model Presented | 26/10/2018 | 26/10/2018 |
| 4 | Concept Validation & Prototyping | 23/11/2018 | 23/11/2018 |
| 4.1 | Initial Application Storyboard & Prototype Questions | 02/11/2018 | 02/11/2018 |
| 4.2 | UI & UX Prototype design | 09/11/2018 | 16/11/2018 |
| 4.3 | Research on Android/iOS platforms | 16/11/2018 | 16/11/2018 |
| 4.4 | Prototype testing | 23/11/2018 | 23/11/2018 |
| 5 | Technical Architecture & Specification | 03/12/2018 | 07/12/2018 |
| 6 | Kanban Defined | 14/12/2018 | 14/12/2018 |
| 7 | Testing Plan | 25/01/2019 | 25/01/2019 |
| 7.1 | Bluetooth Sprint | 21/01/2019 | 21/01/2019 |
| 7.2 | Navigation Sprint | 08/02/2019 | 11/02/2019 |
| 7.3 | AR Sprint | 11/02/2019 | 18/02/2019 |
| 8 | Testing | 08/03/2019 | 08/03/2019 |
| 9 | Documentation Plan | 08/03/2019 | 08/03/2019 |
| 10 | Deployment Plan | 22/03/2019 | 22/03/2019 |

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| **Cumulative Resource Usage/hrs** | | | |
| Resource Name | Hrs Used | Hrs Remaining | Revision Date |
| Working Time | 232 | 1088 | 22/03/2019 |