**PROJECT MATRIX: ISO 21500**

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|  | **Integration** | **Stakeholder** | **Scope** | **Resource** | **Time** | **Cost** | **Risk** | **Quality** | **Procurement** | **Communication** |
| **Initiating** |  | There will be no stakeholders in this study, but beneficiaries will be present such as public infrastructures like hospitals, schools, malls, etc. | The scope initially focuses on the inclusion of outdoor environment temperature and objects that generate motion. |  |  |  |  |  |  |  |
| **Planning** | With the help of CS concepts such as machine learning algorithms and IT concepts such as hardware maintenance | The target beneficiaries are now planned and finalized and those are the public infrastructures like hospitals, schools, malls, etc. | About integrating machine learning algorithms and the direction of human objects against the view of the infrared camera has an effect in the extraction of temperature. | The available resources that will be used during the study will still be planned and evaluated on the later part. | In a span of more or less 6 months, the product and implementation will be done. | Planning for hardware components such as the camera, microcomputer for processing, and as well as other minor materials. | Since it has to deal with the public beneficiaries in the future, risks such as personal data will be taken action and establishing consent especially in the hospital is very important. | To be able to produce a functional infrared camera that analyzes with the use of machine learning algorithms | The group will seek request for minor budgeting and mostly the group will cover the expenses for purchasing the necessary materials for the study. | For communication, specific roles for each member will be assigned in order to maintain and practice smooth flow of tasks and train in the specific field of expertise. |
| **Implementing** | The assembly of the components as well as the coding process and application of machine learning algorithms will be implemented in this stage. The testing process is also being implemented where the team will measure the temperature using the infrared camera. |  | For the scope, testing will only be implemented in a controlled indoor environment with human objects facing the view of the infrared camera with a maximum distance. |  | This is an estimation of the 2-month mark and data collection and preparation are done. | Purchasing of the planned hardware components and materials will be done in this stage. Further minor materials will be planned for purchase. |  | The quality of the product will be able to capture the subject and then analyze using machine learning algorithms to determine the body temperature of it. |  | The different tasks for each member are now being implemented and communication through monitoring the progress is administered. |
| **Controlling** | The data recording and analysis will be implemented in this stage to compare and determine the trends and outputs coming from the testing process. |  |  |  |  |  |  |  |  | Each member now analyzes and records data from the captured footage from the camera. And checking for revisions or improvements from the testing period conducted. |
| **Closing** | Conclude that it has met the standards in determining the core body temperature of a person | To be able to present it in the target beneficiaries for further inquiries and notices. | The study has met the scope provided and planned. |  |  |  |  |  |  |  |