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| **Team Number:** [**SE25-PT**](https://ivle.nus.edu.sg/v1/File/Student/default.aspx?CourseID=cca03c5b-a48d-4860-9be0-12e9e7de8c02&workbinid=1fff08f0-ff91-4636-988e-3b6d7a17fb01&FolderID=b0358d1f-1192-4bb0-abfa-d3c1edc0fd96)**7** | **Date:04/Sep/2018** | |
| **Summary of work done since last report:**  **Completed**  User Requirement Specification (revised according)  User Interface Specification (need to confirm with the client for details)  Risk Management Plan (revised according to Audit)  UI Requirements Gathering (need to get details UI/Graph and real sample data with real paramters) – They will only provide after they get the data.  **In progress**  Preparing requirement modelling  Domain Class Diagram  Collaboration Diagram  Initial hands-on AWS (AWS AppSyn) | | |
| **Deliverables Started since last report:** | **Deliverables Complete since last report:** | |
| **Effort Expended** | | |
| **Name of each Team Member** | **Hours** | **Brief Summary of Work** |
| Kaung Myat Bo | 60 | * Exploring AWS IoT core and AWS S3 storage to use in effective way to change the existing high level architecture which use Logstash as a heart of the whole application. * Created a small prototype project to show POC by using just AWS IoT core, Lambda, AWS S3 and Elasticsearch db to fulfill the data receiving and monitoring station data at realtime requirements. * Meeting with the client for their collaboration and feedbacks on tech changes. * Continue DM modelling report |
| Gao Zhiyu | 63 | * Backend Development / Unit Test * Integration / Testing / Supoort * Meeting with Customer * Requirement/Price analysis * Delivery Preparation |
| Treza Bawm Win | 25 | * Meeting with client * Preparing Requirement modelling * Research work on AWS SES and Quicksight * Price analysis |
| Balasubramanian Narasimhan | 43 | * Meeting with client * Elaboration of Requirements document * Audit preparations (documents) * Presentation preparations |
| Nay Lin Aung | 34 | * Revised Quality Plan for setting baseline * System Test Estimation Document * Prepare System Test Plan. * Prepare System Test Specifications * Review TUCMS and HLD documents. * Maintain review process and records for software configuration management in GIT * Team meeting |

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| **Summary of Work** | Kaung Myat Bo | Gao Zhiyu | Treza Bawm Win | Nay Lin Aung | Bala subramanian Narasimhan |
| Exploring AWS IoT core and AWS S3 storage to use in effective way to change the existing high level architecture which use Logstash as a heart of the whole application | 30 |  |  |  |  |
| Created a small prototype project to show POC by using just AWS IoT core, Lambda, AWS S3 and Elasticsearch db to fulfill the data receiving and monitoring station data at realtime requirements. | 20 |  |  |  |  |
| Meeting with client | 6 |  |  |  |  |
| Meeting with the client for their collaboration and feedbacks on tech changes. | 4 |  |  |  |  |
| Planning & Feasibility Phase Report in the form of Slide Deck |  |  |  |  |  |
| Elaboration of Requirements document |  |  |  |  | 8 |
| Station/Persona/Stati  onConfigDevelopment  /Unit Testing/IOT stuff |  | 20 |  |  |  |
| Integration with FE |  | 8 |  |  |  |
| Production  Environment Initial  Setup |  | 8 |  |  |  |
| Phase 1 Integration  Test A |  | 4 |  |  |  |
| AM DM, DB Graph |  | 10 |  |  |  |
| Deployments |  | 2 |  |  |  |
| Meeting with  customer |  | 4 |  |  |  |
| Db scripting Maintaining |  | 1 |  |  |  |
| Presentation Preparation(Prootype preparing, testing, slides, etc) |  | 3 |  | 2 |  |
| Audit Preparation |  | 1 |  | 2 |  |
| Initial analysis component price |  | 2 |  |  |  |
| Preparing Requirement modelling |  |  | 5 |  |  |
| Price analysis |  |  | 5 |  |  |
| Meeting with client |  |  | 5 |  | 5 |
| Research on AWS feasibility |  |  | 10 |  |  |
| Revising quality plan and configuration management based on auditor’s comments |  |  |  | 8 |  |
| Preparation of System Test Estimation Document |  |  |  | 4 |  |
| Preparation of System Test Plan and test specification document |  |  |  | 8 |  |
| Reviewing TUCMS and HLD documents |  |  |  | 3 |  |
| Maintenance of review process, documents and records |  |  |  | 4 |  |
| Team meeting |  |  |  | 3 |  |

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| **Problems Encountered *(highlight any assistance you might need from your ISS advisor or other staff)*:** |
| **Plans for the Next Month:**  User Requirement Specification (revising according  User Interface Specification (need to confirm with the client for details)  Risk Management Plan (revising according to Audit)  Meeting with Sponsor  UI Requirements Gathering (need to get details UI/Graph and real sample data with real paramters)  Initial hands-on AWS (AWS AppSyn/SQS)  AWS service price research report |