**Group 1 – Machine Job Scheduling**

**MINUTES OF MEETING**

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**04-10-2022**

**Agenda**

* Create Multifile Multidirectory in Sprint Files folder
* Ask doubts to sir about the problem statement and multithreading
* Draft SRS doc and Fill RTM
* Divide Tasks among team members.
* Assign a person for creating the input data files and testing.
* Assign a person to take care of the daily backup
* Discuss the workflow of the project
* Issues regarding the data input through different machine clients has been assigned jobs and the names of the files from user will be given as CLA.
* Data must be given in such a way different test cases can be tested.
* LinkedList of job id, job description, machine number (M1, M2, M3), time , client (optional)
* An array of threads must be declared because the input of the file name will be given as CLA.

**Action:**

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| **Action Item** | **Responsibility** | **Planned Finish Date** |
| Create Multifile Multidirectory in Sprint Files folder and add necessary files | Licency, Sukanya, LaxmiKant | **04-10-2022** |
| Draft SRS doc | Licency, Sukanya, Vibhu | **04-10-2022** |
| Divide Tasks among team members. | LaxmiKant, Jonas | **04-10-2022** |
| Assign a person for creating the input data files and testing. | Vibhu, Sukanya | **04-10-2022** |
| Assign a person to take care of the daily backup | Jonas | **04-10-2022** |
| Discuss the workflow of the project | Jonas, Licency, LaxmiKant,  Sukanya, Vibhu | **04-10-2022** |

**05-10-2022**

**Agenda**

* Made the HLD, LLD diagrams and made the necessary corrections suggested by sir.
* Made the flow diagram.
* Discuss the workflow of the code and desired output.
* Prepared the pseudocode and made the necessary corrections as suggested by sir.
* Made all the necessary input files and listed out possible failure test cases.

**Action:**

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| **Action Item** | **Responsibility** | **Planned Finish Date** |
| Made the HLD, LLD diagrams and made the necessary corrections suggested by sir | Sukanya, Vibhu | **05-10-2022** |
| Made the flow. | Jonas, Licency | **05-10-2022** |
| Discuss the workflow of the code and desired output. | Jonas, LaxmiKant, Licency,  Sukanya, Vibhu | **05-10-2022** |
| Prepared the pseudocode and made the necessary corrections as suggested by sir. | LaxmiKant, Licency, Sukanya | **05-10-2022** |
| Made all the necessary input files and listed out possible failure testcases. | Vibhu, Jonas | **05-10-2022** |

**06-10-2022**

**Agenda**

* Written code based on the pseudocode and first check the working for a single file.
* Written all the function files separately and called them from main function file.
* Given all the necessary MACROS, structures, linked lists, used DMA wherever needed, etc. in the code.
* Debugged the file using gdb commands.
* Discuss the workflow of the code and desired output.

**Action:**

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| **Action Item** | **Responsibility** | **Planned Finish Date** |
| Worked on all the above points | Licency, Vibhu, LaxmiKant, Sukanya, Jonas | **06-10-2022** |
| Working on CUnit | LaxmiKant, Vibhu, Jonas | **06-10-2022** |

**07-10-2022**

**Agenda**

* Continued checking the working of code for a single file.
* Given all the necessary MACROS, structures, Linked Lists, used DMA wherever needed, etc. in the code.
* Discussed the possible reasons for errors and rectified all of them.
* Discuss the workflow of the code and desired output.

**Action:**

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| **Action Item** | **Responsibility** | **Planned Finish Date** |
| Worked on all the above points | LaxmiKant, Licency, Sukanya | **07-10-2022** |
| Making of Rainy and Sunny Test cases | Jonas, Vibhu | **07-10-2022** |

**08-10-2022**

**Agenda**

* Wrote the code for multiple customer data files and checked if they are being read properly or not.
* Wrote the code for the reading data files and created the necessary linked lists.
* Written all the necessary function files separately and called them from main function file.
* Created threads and mutexes.
* Checked if all the necessary MACROS, structures, linked lists, used DMA wherever needed etc. in the code.
* Created makefile and. o files and debugged it using gdb command.
* Discuss the workflow of the code and desired output.

**Action:**

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| **Action Item** | **Responsibility** | **Planned Finish Date** |
| Worked on all the above points | LaxmiKant, Licency, Sukanya | **08-10-2022** |
| Making of UT and IT Test cases | Jonas, Vibhu | **08-10-2022** |

**09-10-2022**

**Agenda**

* Created threads and mutexes.
* Given all the necessary MACROS, structures, linked lists, used DMA wherever needed, etc. in the code.
* Created makefile and. o files for the project and debugged it using gdb command.
* Created CUnit Files and IT testcases were checked. UT-IT document was filled.
* CUnit suites, test cases and makefile were created and debugged to clear errors.
* Modifications and addition of valid-invalid functions were done.

**Action:**

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| **Action Item** | **Responsibility** | **Planned Finish Date** |
| Worked on mutex and rectified the errors | Jonas, LaxmiKant, Licency | 09-10-2022 |
| Creates the final reports | Sukanya, Vibhu | 09-10-2022 |
| Added invalid-valid functions | Jonas, Vibhu | 09-10-2022 |
| Created CUnit Files and IT testcases were checked. | LaxmiKant, Licency | 09-10-2022 |
| CUnit suites, test cases and make file were created and debugged to clear errors. | LaxmiKant, Licency, Sukanya | 09-10-2022 |