Autonomous Power Management
Work Items List - Transition - End of Iteration

| Name / Description | Priority | Size estimate (Points) | State | Target iteration | Assigned To | Effort estimate left (hours) | Hours worked | Reference material |
|---|---|---|---|---|---|---|---|---|
| Tailor process for project | 1 | 1 | Done | Inception I | Process Engineer | 0 | 1.5 | Development Case |
| Set up versioning and continuous integration | 3 | 1 | N/A | Inception I | Developer | 0 | 0 | |
| Plan project and iteration | 2 | 1 | Done | Inception I | Project Manager | 0 | 3 | Iteration Plan, Project Plan, Work Items List, Risk List |
| Capture High-Impact Requirements | 1 | 2 | Done | Inception I | Analyst | 0 | 1.5 | System Goals Document, Glossary, Domain Model |
| Confirm MAS Adequacy | 4 | 1 | Done | Inception I | Analyst | 0 | 2 | |
| **Maintain[Schedule]** | | | | | | | | |
| Complete basic design for all architectural areas | 1 | 1 | Done | Inception I | Architect | 0 | 1.5 | |
| Do detailed design for all architectural areas | 1 | 1 | Done | Elaboration I | Architect | 0 | 3 | Architectural Notebook |
| Implement basic agent functionality | 1 | 0 | Done | Elaboration I | Developer | 0 | | |
| Implement agent interactions | 2 | 0 | Done | Elaboration I | Developer | 0 | | |
| Define and implement test cases | 3 | 0 | Done | Elaboration I | Tester | 0 | | |
| Deliver prototype capable of basic scheduling | 1 | 0 | Done | Elaboration I | Developer | 0 | | |
| **Maintain[Suitable AVPP Structure]** | | | | | | | | |
| Complete basic design | 2 | 1 | Done | Elaboration I | Architect | 0 | 1 | Architectural Notebook |
| Do detailed design | 2 | 1 | Done | Elaboration I | Architect | 0 | 1.5 | Architectural Notebook |
| Select agent organisation paradigm | 2 | 1 | Done | Elaboration I | Architect | 0 | 1 | Agent Organisation Structure |
| Specify self-organisation algorithm | 3 | 1 | Done | Elaboration I | Architect | 0 | 0.5 | |
| Implement self-organisation algorithm | 1 | 0 | Done | Elaboration II | Developer | 0 | | |
| Define constraints on requirements as the basis for observation infrastructure | 3 | 1 | Done | Elaboration II | Analyst | 0 | 1.5 | |
| Develop and perform model transformations | 4 | 1 | Done | Elaboration II | Developer | 0 | 0.5 | |
| Define and implement test cases for SO-algorithm | 3 | 0 | Done | Elaboration II | Tester | 0 | | |
| Define system environment | 3 | 1 | Done | Inception I | Architect | 0 | 0.5 | |
| Define interfaces to external systems | 4 | 1 | Done | Elaboration I | Developer | 0 | 1.5 | |
| **Maintain[High-Quality Predictions Available]** | | | | | | | | |
| Complete basic design for all areas | 2 | 1 | Done | Elaboration I | Architect | 0 | 1 | Architectural Notebook |
| Do detailed design for all areas | 1 | 1 | Done | Elaboration II | Architect | 0 | 1 | Architectural Notebook |
| Define trust model for predictions | 3 | 1 | Done | Elaboration I | Architect | 0 | 0.5 | Trust Model |
| Implement basic agent functionality | 2 | 0 | Done | Elaboration II | Developer | 0 | | |
| Implement agent interactions | 2 | 0 | Done | Elaboration II | Developer | 0 | | |
| Define and implement test cases | 3 | 0 | Done | Elaboration II | Tester | 0 | | |
| Deliver prototype capable of using predictions in scheduling process | 1 | 0 | Done | Elaboration II | Developer | 0 | | |
| **Maintain[Network Frequency]** | | | | | | | | |
| Complete basic design for all areas | 3 | 1 | Done | Elaboration II | Architect | 0 | 1 | |
| Do detailed design for all areas | 2 | 1 | Done | Construction I | Architect | 0 | 0.5 | Architectural Notebook, Sequence Diagram for Network Frequency |
| Implement basic agent functionality | 1 | 0 | Done | Construction I | Developer | 0 | | |
| Implement agent interactions | 2 | 0 | Done | Construction I | Developer | 0 | | |
| Define and implement test cases | 3 | 0 | Done | Construction I | Tester | 0 | | |
| Deliver prototype capable of full scheduling and stabilisation of network frequency | 1 | 0 | Done | Construction I | Developer | | | |
| Define Deployment Plan | 4 | 1 | Done | Construction I | Deployment Enginee | 0 | 1 | |
| Finalise Deployment Plan | 1 | 2 | Done | Transition I | Deployment Enginee | 0 | 2.5 | Deployment Plan |
| Define, implement, and run system tests | 2 | 1 | Done | Construction I | Tester | 0 | 2 | |
| Deploy System | 1 | 0 | Done | Transition I | Deployment Enginee | 0 | | |
| Prepare System Documentation and Training Material | 3 | 0 | Done | Construction I | Developer | 0 | | |
| Provide System Documentation and Training Material | 2 | 0 | Done | Transition I | Project Manager | 0 | | |
| Assess Inception I | 5 | 1 | Done | Inception I | Project Manager | 0 | 0.5 | |
| Assess Elaboration I | 5 | 1 | Done | Elaboration I | Project Manager | 0 | 0.5 | |
| Assess Elaboration II | 5 | 1 | Done | Elaboration II | Project Manager | 0 | 0.5 | |
| Assess Construction I | 5 | 1 | Done | Construction I | Project Manager | 0 | 0.5 | |
| Assess Transition I | 5 | 1 | Done | Transition I | Project Manager | 0 | 0.5 | |

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|---|---|
| Hours worked Inception | 10.5 |
| Hours worked Elaboration I | 10.5 |
| Hours worked Elaboration II | 4.5 |
| Hours worked in Construction I | 4 |
| Hours worked in Transition I | 3 |