Implementation Detail Plan

(Project: AutoSchedula)

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Weeks	Implementation Detail
Week 1	Setup development environment including necessary libraries and frameworks (e.g. EDAP) for genetic algorithm and ontology. Create basic project structure
Week 2	Gather course data, classroom data, available time slots and scheduling constraints. Begin data pre-processing to convert data into a format suitable for algorithm

Week 3	Research genetic algorithm techniques and parameters suitable for timetable generation considering factors like crossover and mutation strategies
Week 4	Start Implementation of genetic algorithm for timetable generation based on research. Develop fitness function to evaluate quality
Week 5	Genetic algorithm implementation and unit testing (cont..)
Week 6	Finalize the implementation of genetic algorithm
Week 7	Research and identify how ontology techniques and parameters and how it can be integrated with genetic algorithm for better results
Week 8	Start ontology implementation
Week 9	Ontology Implementation and unit testing (cont..)
Week 10	Finalize Ontology Implementation
Week 11	Begin designing the user interface focusing on user friendly input interfaces specifying constraints and preferences
Week 12	Implement the front-end for the system allowing the user to input data and visualize generated timetable
Week 13	Front-end and Back-end Integration. Algorithm integration
Week 14	Finalize the integration and make sure the proper working of system
Week 15	Review the system, test the system from different scenarios and ensure the system readiness
Week 16	Deploy the system to a live environment, monitor its performance, conduct a project review to assess its success and identify areas for future enhancement.
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