**Where do I want to be by the end of this period/year? What do I want to be doing? (Include as many learning needs as required to achieve agreed objectives)**

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| What do I want/need to learn?Provide a specific description of the desired changes (e.g. skills to gain, knowledge to acquire, topics/themes/content to cover) | What do I have to do to achieve this?Some examples, a new/ongoing course, conference, self-development (like wider research or reading), coaching/mentoring, job shadowing | What resources or support will I need?Some examples, teaching staff support, library support, student advisor support,line manager, etc. | How will I measure success?Some examples, appraisals, course assessments, team feedback, tutor feedback | Target dates for review and completionNote that these need to be realistic/achievable |
| Develop your Python programming skills, particularly in order to create agent-based systems. | Code-related projects In the module, practice working on Python projects and run agent-based simulations. | The source is the Python IDE (such as PyCharm or Visual Studio Code), online coding resources, tutor support, and module tutorials. | successfully complete GitHub projects and gain proficiency in Python. | 2 months since the beginning of the module. |
| understands and uses hybrid models and agent architectures in practical settings. | Create a miniature agent system, copy the model architecture, and use the study unit's resources. | Lectures, tutorials, textbooks, and slides. | putting together and presenting a group project using the appropriate architecture. | Every 3 months since the beginning of the module. |
| Discover how to create collaborative projects using GitHub and version control. | Create a GitHub code repository and add documentation, branches, merges, and PRs. | GitHub, module instructions, peer and tutor interactions. | GitHub repository that is actively maintained | 1.5 months after the beginning of the module. |
| Develop your abilities and teamwork in a virtual development environment. | Participate in group projects, assume designated team responsibilities, and document meetings and contributions. | Lecturer support, group members, and group work systems. | Positive comments from peers, entries in group project reports, and evaluations by tutors | During the module, at milestones of the project |
| Recognize the legal, social, and ethical concerns with agent systems. | Research case studies, review guidelines, and incorporate these factors into the project's design. | Library resources, online tutoring, and professional resources. | Assignment justifications and written proposals, as well as tutor reviews. | 4 months after the beginning of the module |