**School of Computer Science & Mathematics**

**5200COMP – Group Project**

**Progress Report**

This form is used to document the third milestone deliverable for the assessment. It should represent the progress made with the initial proposal outline (deliverable 1) following the first progress meeting. The final proposal does not have to match the ideas presented here, though you should discuss and document changes to direction at the second progress meeting.

The form should be submitted to Canvas by **Friday 17th February 2023** (Tuesday 21st for CGD).

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| **Group Name**  (as per Canvas) | CSC-3 |
| **Updated Proposal Outline**  Provide a more detailed proposal idea including the nature of any supporting practical work. This should reflect on progress made since the first deliverable and the discussions in the progress meeting. The outline should be around 700-800 words. | The finalised proposal for our group project will be an investigation into the use of robots and AI systems to take care of and teach children. This investigation will dive into how technology within this space has been growing so much over the past few years and what is being improved currently and will be improved within the near future. The study will also be focusing on how the technology is used to help both healthy children and children with learning difficulties such as autism.  We have currently progressed into our final roles within the investigation. We sat down together as a group and using our knowledge of our strengths and weaknesses we decided which roles would be best suited for which group member. This also meant splitting the work into fair chunks and roughly similar word counts. In the end we split it into these sections in accordance with the mark scheme:   * Background literature review (Lydia) * Problem Analysis (Kyle) * Description/ practical investigation of Proposed solution (Charlie) * Plan of work (Ryan) * Ethical, legal, and professional issues (Harry)   The first section in which Lydia will be completing is the background literature review. This section will include the basic background information on how and why we have the current technology and other information such as who created said technology. She will also be finding scholar articles to be used within the project by other members of the group.  Next is Kyle who will be focusing on completing the analysis of what the actual problem is. He will be researching the reason that we need the technology in the first place and why the technology needs more work to improve the solutions to the problems. As well as addressing all the problems he will also be analysing these problems to come up with the potential solutions that the technology provides.  The next is myself, Charlie, who is writing about the description of the description of the proposed solution the technology provides and the current testing that exists to support this solution. I will be working with Kyle as he continues to research solutions so that I am more aware of the potential solutions. As a group it was decided it would be better for 1 person to work on both the description of the solution and the investigation of the tests of the solution as they are so linked it might be confusing for more than 1 person to work on it at the same time.  The next task set is Ryan who is creating the plan of work, which is basically what the plan would be if we were to carry out the plan, how we would do so and how we would overcome any potential issues. This should include the responsibilities and objectives of the plan and what the end goal should come out to.  The final task is Harry who is working on what the ethical, legal, and professional issues of the technologies are. This will include some of the problems of the technologies that have arose and why they are considered problems. It will also be about how we solve these problems ethically. This could be within the testing of the technology or possibly within the actual application of the technologies. This is very important section as it’s essential all work is done within current guidelines.  The idea is to split the word count equally in accordance to how many marks each section is worth. We will all be constantly updating each other within university and outside with our current progress. If any member needs help, we will always make sure to keep each other informed, and all our individual progress will be tracked using GitHub, as members upload current progress so others can read it. |
| **Issues**  Briefly document any issues the group has faced and how these are being addressed. | There were some initial problems with the first idea we came up with as a group as it didn’t fit the guidelines very well, but we have adapted and now have a new plan which is a lot more specific and interesting to us as a group. We have worked well the past week to catch back up to where we were at before so that we can continue track with our work, so complete the research within our timeframe.  Besides this the group has been working and communicating with each other clearly. Everyone is clear and happy with what they are currently tasked with and what they will have to do moving forward. We will continue doing what we are currently doing as we feel it will end up in us producing the best possible project. |