|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Start | Finish | Author | Description | Reason | Version |
|  |  |  |  |  |  |
| 20/07 | 20/07 | Vinicius | Highlight our schedule and time available to build the app | The project has a deadline and therefore we must ensure we finish it in time. | 1.0 |
| 03-08 | 03-08 | Vini | Conclusion rewritten | Needed to better explain why it is not feasibile |  |
| 06-08 |  | vini | Added more info | Added information on the resources needed. |  |

# Resource and Schedule Assessment

Our schedule indicates there is a period of approximately three months to develop an application that meets the client's request. Throughout this period a prototype could be developed and tested along with the client's approval. By the time the application is ready to be tested live, there will be no MATHEX competition scheduled and there is still the possibility the implementation system of choice is not available yet. Therefore, we have not looked at the opportunity to test the application during the MATHEX competition as it happens once a year and the application as well as the system to host it will not be ready.

 Furthermore, it is important to evaluate the people who will continue to work on the project as they are the most valuable resource. There are several areas of knowledge involved in this project as mentioned on previous sections. Areas such as:

* Network infrastructure expertise
* Hardware knowledge and System specifications
* Performance and loading tests
* Knowledge on server’s implementation and administration
* Software development

When looking at the current team responsible for the development of this project there is a considerable lack of experience and knowledge on these areas and others which have not been mentioned or yet to be identified. Within the time constraints of these project, it is not advisable to submit the team into such a challenging path. The only identified area of knowledge within our team is software development. Informally saying there is only so much we will be able to learn.

Therefore, to proceed with this project aiming to have a working solution within the time available is not feasible. As there is not enough time to develop an application which solves the problem and add value to the MATHEX competition, nor there is enough time to have it implemented and ready to be used. Additionally, the system to be implemented will not be tested during the MATHEX competition, missing on important feedback from the main users who are the spectators, markers, Scorers and judges.

**Recommendation**

A prototype software to showcase all the functionalities that will be used during the competition and ensure that it will be well accepted by the stakeholders. This application prototype will then be opened for improvement. There will be no need for the client to acquire any of the implementation solutions. The development will happen independently and can be demonstrated using minimum hardware.

### Schedule

Our schedule for building a prototype:

|  |  |
| --- | --- |
| Provisional Milestones | Finish |
| Stage 0 | 28/07/17 |
| **Plan - design of project model complete** | 28/07/17 |
| Stage 1 | 11/08/17 |
| **Framework and Database setup complete** | 11/08/17 |
| Stage 2 | 25/08/17 |
| **Website development complete** | 25/08/17 |
| Stage 3 | 22/09/17 |
| **Website integration with database completed** | 22/09/17 |
| Stage 4 | 06/10/17 |
| **Online Real Time Scoreboard implementation complete** | 06/10/17 |
| Stage 5 | 20/10/17 |
| **Website UX\UI improvement complete** | 20/10/17 |
| **Handover Complete** | 27/10/17 |
| Client feedback | 29/09/17 |
| Supervisor feedback | 20/10/17 |
| Poster | 3/11/17 |
| Reflective Report | 3/11/17 |
| Portfolio and Final Product | 3/11/17 |

*\* Please see the complete Project plan for further details*