

# Meeting Minutes - [Project Take-Off Meeting]

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**Type of Meeting:** Initial Weekly Meeting  
**Facilitator:** Prof. Scott Hazelhurst  
**Location:** Chamber of Mines  
**Date:** 06 Sep 2017

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## Attendance

- Prof. Scott Hazelhurst, Gary Bezuidenhout, Dylan Jacobsen, Isheunesu Jairosi.

## Absent

- None

## Discussion

For the initial project meeting the group discussed the feedback received with regards to the preliminary report. All requirements with regards to prelim report were met in the opinion of the supervisor, Prof. Hazelhurst. The design approach outline in the prelim report was discussed and the supervisor voiced his concern with regards to the chosen method of implementation. Anesu informed the group that he would be unavailable in the coming week due to a medical operation. Prof. Hazelhurst would be away for a conference and the next meeting would have to be on the 19/09.

## Action Items

1. Get started on the project.
2. Work split between group members.
3. Begin application software design.

## Other Notes

None.

# Meeting Minutes - [Meeting Two]

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**Type of Meeting:** Weekly Meeting  
**Facilitator:** Prof. Scott Hazelhurst  
**Location:** Sydney Brenner Institute for Molecular Bioscience  
**Date:** 19 Sep 2017

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## Attendance

- Prof. Scott Hazelhurst, Gary Bezuidenhout, Dylan Jacobsen.

## Absent

- Isheunesu Jairosi.

## Discussion

The basic system design was completed, however the design was generalized and has to be updated to be tailored to the Genesis application. Gary working on design from use case perspective, Dylan working on design from class diagram perspective. Results between two designs to be compared when completed. Output functions and sub functions discussed for the additional features related to the plot. SOLID design principles used throughout application design. Amount of time left for project discussed and work split also mentioned.

## Action Items

1. Determine and complete more specialized design.
2. Determine distinct work split between member in terms of the shared application framework code.

## Other Notes

None

# Meeting Minutes - [Meeting Three]

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**Type of Meeting:** Weekly Meeting  
**Facilitator:** Prof. Scott Hazelhurst  
**Location:** Chamber of Mines  
**Date:** 29 Sep 2017

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## Attendance

- Prof. Scott Hazelhurst, Gary Bezuidenhout, Dylan Jacobsen.

## Absent

- Isheunesu Jairosi.

## Discussion

Specialized Genesis design close to being completed. A few loose ends to tie up in terms of the design and decisions related to the design. Initial stages of coding have begun in Java. Initial coding focused on back end and setting up application infrastructure. Anesu still not available after his operation and no contact has been made by him in that regard. Project still on track in terms of time. Development environments setup discussed between group. Eclipse decided on as the chosen IDE.

## Action Items

1. Continue work on Java application infrastructure.
2. Infrastructure code mainly focused on creating a JavaFX application that uses WebView to load html files.

## Other Notes

None

# Meeting Minutes - [Meeting Four]

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**Type of Meeting:** Weekly Meeting  
**Facilitator:** Prof. Scott Hazelhurst  
**Location:** Chamber of Mines  
**Date:** 06 Oct 2017

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## Attendance

- Prof. Scott Hazelhurst, Gary Bezuidenhout, Dylan Jacobsen.

## Absent

- Isheunesu Jairosi.

## Discussion

Work on front end has started, basic graphing using JavaScript has been implemented. Demo with supervisor scheduled for 16/10. Code review and overall framework inspection to be done. Discussion with regards to Anesu absence, advised by supervisor to continue work as if he is not working on the project anymore. Demo will be used as a checkpoint to evaluate where group is and how much progress can realistically be made by open day/project submission.

## Action Items

1. Focus on completing basic MVP for demo.
2. Aim to get application working from selection of data input file to basic visualization for both PCA and Admixture.

## Other Notes

None

# Meeting Minutes - [Meeting Five]

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**Type of Meeting:** Weekly Meeting  
**Facilitator:** Prof. Scott Hazelhurst  
**Location:** Chamber of Mines  
**Date:** 16 Oct 2017

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## Attendance

- Prof. Scott Hazelhurst, Gary Bezuidenhout.

## Absent

- Dylan Jacobsen, Isheunesu Jairosi.

## Discussion

Basic demo of both JavaScript implemented PCA plot and Java implemented PCA plot.

Discussion with regards to absence and lack of communication from Dylan. Decision to continue implementation with JavaFX rather than with JavaScript for the front end of the application was mentioned. Gary advised to move forward and prepare for Open Day as if he were working on the project on his own. Planning for open day poster. More open day discussions in next meeting on 20/10

## Action Items

1. Plan and complete poster for open day.
2. Continue with implementation of PCA plots using JavaFX.

## Other Notes

None

# Meeting Minutes - [Meeting Six]

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**Type of Meeting:** Open Day Planning  
**Facilitator:** Prof. Scott Hazelhurst  
**Location:** Chamber of Mines  
**Date:** 20 Oct 2017

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## Attendance

- Prof. Scott Hazelhurst, Gary Bezuidenhout.

## Absent

- Dylan Jacobsen, Isheunesu Jairosi.

## Discussion

Highlighting requirements for poster and admin/logistics associated with open day. Ran through proposed poster design and content. Suggestions presented by supervisor in terms of poster content. Possibilities in terms of Genesis application demo for open day also discussed.

## Action Items

1. Implement poster suggestions and recommendations presented by supervisor.
2. Complete implementation of proposed demo requirements for open day.

## Other Notes

None

# Meeting Minutes - [Meeting Seven]

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**Type of Meeting:** Open Day Poster Review  
**Facilitator:** Prof. Scott Hazelhurst  
**Location:** Chamber of Mines  
**Date:** 23 Oct 2017

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## Attendance

- Prof. Scott Hazelhurst, Gary Bezuidenhout.

## Absent

- Dylan Jacobsen, Isheunesu Jairosi.

## Discussion

Review of poster before printing and final confirmation of application components to be shown for open day demo. New data received for testing of new Genesis PCA plot. Email received from Dylan's mother explaining absence and lack of communication.

## Action Items

1. Open Day poster printing.
2. Open Day Stand/Location Setup.

## Other Notes

None

# Meeting Minutes - [Meeting Eight]

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**Type of Meeting:** Weekly Meeting  
**Facilitator:** Prof. Scott Hazelhurst  
**Location:** Chamber of Mines  
**Date:** 28 Oct 2017

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## Attendance

- Prof. Scott Hazelhurst, Gary Bezuidenhout.

## Absent

- Dylan Jacobsen, Isheunesu Jairosi.

## Discussion

Feedback and review of open day including poster and application demo. Discussion on project report structure, do's and don'ts for report. Appendices required for report. Discussion on partners leaving and effect on the final application produced. Suggestions on presentation and project report submission.

## Action Items

1. Complete project report.
2. Complete last stages of application code and bug fixes.

## Other Notes

None