

## Project Timeline; "Motion Capture To MIDI"

AUTUMN	
Week Ending 28/10	Begin experimenting with JAHMM and familiarise myself with the hardware, as well as the protocols required to communicate with it
Week Ending 4/11	Continue work on JAHMM, especially communication aspect, and undertake MIDI research to understand what is required/functionality
Week Ending 11/11	Devise a basic form of movement recognition, and attempt to output a simple sound as a result. Research relevant algorithms and JAHMM classes
Week Ending 18/11	Continue the work on basic recognition. Begin formalising Interim Report.
Week Ending 25/11	"Teach" the system specific movements using repeated gestures
Week Ending 2/12	Determine the ideal conditions and environment to gain the best results. Experiment with number of repetitions required to learn gestures.
Week Ending 9/12	Complete any unfinished tasks. Make improvements where possible. Finalise Interim Report
Week Ending 16/12	Finalise Report.

SPRING	
Week 1 – 2	Additional HMM research. Attempt a thorough understanding. Learn to properly implement probability functions.
Week 3 – 5	Teach the program to 'learn' more advanced gestures, in more than one plane. Begin formalising Final Report (from notes and work done during prior weeks)
Week 6 – 7	Generate more interesting and specific MIDI sounds.
Week 8	Create a basic usable interface to simplify usage.
Easter Recess	Assess what still needs to be done, and what <i>can still be achieved</i> , realistically. Write up report formally up to this point. Possibly begin testing/analysis
Week 9 -11	Finish any loose ends, make improvements where possible, be critical. Finish Final Report (1st draft preferably by week 10)

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