

## NES-NN - Iteration Review 2

### Key milestones

Milestone	Date
Iteration 2 start	1/04/18
1 - Clean up	4/04/18
2 - LCOM	8/04/18
Iteration 2 end	8/04/18

### Iteration Plan Overview

This iteration we are going to step back and review the current literature on Neuro Evolution and Game AI. We are going to formalise our vision of this project, along with documented major architectural components and the decisions behind them. Looking into the future we will come up with some high level goals for future iterations. We will document the whole thing and submit it as LCOM1.



## Work Item Assignments

Work Item ID	Outcome	State	Assigned to (name)	Estimated Hours	Hours worked	Estimate of hours remaining
0.0	Update Wiki!!!	Complete	Group	1	1	0
1.1	Clean up Git Branches	Complete	Group	0.5	0.5	0
1.2	Clean up Project Files	Complete	Group	0.25	0.25	0
1.2	Investigate saving and loading NN for resuming training	Complete	Group	1	.5	0
1.3	<a href="#">Extract NEAT training logic into CLI based system</a>	Complete	Loic	4	4	0
1.4	<a href="#">Synchronise the NEAT Player loop with the Emulator loop</a>	Complete	Loic	2	1	0
2.1	LCOM - Project Vision	Complete	Group	2	2	0
2.2	LCOM - Initial Requirement Model	Complete	Group	2	3	0
2.3	LCOM - Proposed Architecture	Complete	Group	2	2	0
2.4	LCOM - Risk List	Complete	Group	2	1.5	0
2.5	LCOM - Master Test Plan	Complete	Group	2	2	0
2.6	LCOM - Initial Project Plan	Complete	Group	2	2	0
2.7	LCOM - Inception Phase Project Status Assessment	Complete	Group	2	2	0
2.8	LCOM - Review and Formatting.	Complete	Group	2	2	0
3.0	Research the current state of the field, interesting questions	Ongoing	Group	3	4	..
4.0	Update Wiki	Complete	Group	1	1	0

## Issues

Issue	Status	Notes
2 LCOM was a greater task than anticipated.	Addressed	Most of the development work was moved to iteration 3.
1.2 Investigate saving and loading NN	Addressed	Saving and loading is not needed, this will be resolved when implementing Hyper-NEAT

Work Items: Were work items assessed in iteration, did they meet evaluation criteria?

Assessable Work Item	Addressed	Met Evaluation Criteria	Notes
2 - LCOM			LCOM completed by group on 8/4/18 <a href="https://goo.gl/HAL2S9">https://goo.gl/HAL2S9</a>

### Other concerns and deviations

No concerns were made apparent.

After assessing the amount of information that LCOM had asked of us, we reprioritized formalising our project over extending the application.  
A lot of tasks were moved into iteration 3 in response.