PROJECT MANAGEMENT LOG

First Name: Swoyam	**Surname:** Pokharel
Student Number: 2431342	**Supervisor:** Prakriti Regmi
Project Title: Oops!Mate.	**Month:** January

What have you done since the last meeting

- Reworked Engine
- Implemented Quiescience Search
- Implemented MVV-LVA Ordering
- Implemented Null Move Pruning
- Implemented TPT Ordering
- Implemented Late Move Reduction
- Implemented Killer Heuristic

What have you done since the last meeting

- Optimized Clone using `copy_nonoverlapping` & faster fetching for TPT tables, using `mm_prefetch`
- Progress On Lazy Move Generation
  - Can explicitly generate only captures instead of everything now
- Implemented Futility Pruning
- Benchmarked & Released The engine
- Current Elo Estimate: ~1950 - 1995 (23.2 +/- 36.8 against stockfish 1900, 90% LOS; 70.4 +/- 43.9 against previous stockfish, 99.9% LOS

What do you aim to complete before the next meeting

- Static Exchange Evaluation
- End game table bases
- ~ Reach FIDE Master Rating

Supervisor comments

Work on identifying how does LOS works.

Appendix - Project Log Book Entry Template