**Project report of optimization problem class (using chapter 4 and 5 only)**

* 2 or 3 examples (explain, coding (python), graph, plot).
* 10 - 15 pages,

Project report: “*Study on optimization application using MATLAB*”

1. Introduction
   1. Optimization problem (convex)
      1. Set, function, problem (LP, QP, SOCP, SDP)
2. Problem (description)
   1. Introduction (risk-trade off ….)
   2. Introduction (quadratic programming)
3. Methodology
   1. Mathematical solution
   2. Algorithm Coding (excel, python, MATLAB…)
   3. Add code
4. Results
   1. 2 problems, plot, graph,
   2. Solution
5. Conclusion
6. References