10/11/17, Group 9

Math 381 Group Project Proposal: Building Desktop Computer

**Background**

When people are looking for their desktop computers, it always takes them so much time to find the item that perfectly fits their desires with affordable price. So the goal of the project is to find the combination that could give the best performance with a certain given price using the knowledge of Linear Programming.

**Objectives**

· Maximize the performance of the computer with a given limited cost

· To build the best combination of the computer(CPU, GPU, RAM, hard disks) with a given cost

· Variation of the project can be building the cheapest computer with a certain level of performance.

**Timeframe**

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| --- | --- | --- |
|  | Task | Start and End Dates |
| Phase One | Project Proposal | 10/09 ~ 10/13 |
| Phase Two | Project Paper | 10/16 ~ 10/27 |
| Phase Three | Presentation | 10/30 ~ 11/ 03 |

**Members**

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| Group Member | Chongyi Xu |
| Group Member | Beiyue Zhao |
| Group Member | Ho Yin Leo Leung |

**Monitoring and Evaluation**

We will meet once every week to check on the progress and solve the problems we find during the week.

**Approval Signatures**

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|  |  |  |  |  |
| Chongyi Xu |  | Beiyue Zhao |  | Ho Yin Leo Leung |
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