**Project Milestone 1 (Independent Project Plan)**

**Week 1: Milestone 1**

Craft a rough project plan for how you will accomplish each milestone and task, what your project work schedule will look like, etc.

* Because my wife is living in Turkey and I have plant to travel to Turkey during this quarter, I am electing to do the project independently, so I’m not able to set the group time meeting. I will accomplish each milestone and make progress weekly as stated in the syllabus.
* I will break my project work schedule as following.
  + Monday, Wednesday, and Friday (3hrs per day) working on the project and Sunday for peer review.

Identify another project (group or individual) to perform your Milestone 2 Peer Review.

* I will post my project milestones in a folder in Teams, so anyone can review it. I will also submit milestones in Blackboard for grading as well.

**Week 2: Milestone 2--Data Selection and Project Proposal**

I would like to work on predictive analytics in manufacturing (sheet metal fab) because of my bachelor's degree in mechanical engineer and I would like to feel more predictive analytics in real word of manufacturing.

I will aim to find the data set during the week 2 and create the project proposal.

**Week 3: Milestone 2—Peer review**

* Communication with classmate to find the peers review for the entire course through Teams.
* Complete week 3 individual peer evaluation form
* Using Python for predicting analytics during this term.

**Week 4 &5: Milestone 3**

* Peer Review and Preliminary analysis for Milestone 3
* Update the information if needed

**Week 6: Peer Review**

* Start to explore the data
* Answer the question from Peer Review
* Model evaluation
* Submit milestones 3 in blackboard
* Post milestone 3 in my Teams project folder for peer reviews.

**Week 7: Traveling Plan**

I have plan to travel to Turkey to visit my family, so I will be off on this week. I will inform the instructor if I need to submit the assignment on next week.

**Week 8: Peer Review and Building the Presentation**

* Start building the presentation for milestone 4
* Complete Individual Peer Review Form from week 7

**Week 9: Milestone 4—Finalizing the Result**

* Complete the project
* Formulate a conclusion and recommendation from peer reviews
* Submit milestones 4 in blackboard and Post milestone 4 in my Teams project folder for peer reviews

**Week 10: Peer Review**

* Find a peer doing an independent project through Teams
* Complete Individual Peer Review Form
* Build a PowerPoint for project presentation

**Week 11 & 12: Work on Milestone 5, Final Project Paper, and Presentation**

* Begin presentation
* Begin final paper
* Course presentation
* Course final paper
* Find a peer doing an independent project through Teams
* Complete Individual Peer Review Form

My Individual Project Work Schedule as following.

Monday, Wednesday, and Friday (3hrs per day) working on the project and Sunday for peer review, however on week 12 I have to work all days to wrap up the project.

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| **Week** | **Milestone** | **Task** | **MON** | **TUE** | **WED** | **THU** | **FRI** | **SAT** | **SUN** |
| 1 | 1 | Project plan/Create Teams Folder | x | x |  | x |  |  | x |
| 2 | 2 | Data selection/project proposal | x |  | x |  | x |  | x |
| 3 |  | Milestone 2/Peer review | x |  | x |  | x |  | x |
| 4&5 | 3 | Milestone 3 | x |  | x |  | x |  | x |
| 6 |  | Peer Review | x |  | x |  | x |  | x |
| 7 |  | Traveling Plan |  |  |  |  |  |  |  |
| 8 |  | Peer Review/Presentation | x |  | x |  | x |  | x |
| 9 | 4 | Finalizing the result | x |  | x |  | x |  | x |
| 10 |  | Peer Review | x |  | x |  | x |  | x |
| 11&12 | 5 | Work on Milestone 5/Peer review | x |  | x |  | x | x | x |
| 11&12 | 5 | Course presentation/Final Paper | x | x | x | x | x | xx |  |