**Lecture Plan**

**Foundations of Data Science**

**Group B**

**August 2022**

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| **Week** | **Topic to be Covered** |
| Week 1 | Regression, Rank Correlation |
| Week 2 | Vectors: Linear dependence and independence; Eigen Values and Eigen Vectors |
| Week 3 | Caley-Hamilton theorem and its application; Reduction to Diagonal form |
| Week 4 | Mid Semester Exams |