Name of the Teacher: Ms. Anupam Class: Advance Statistics

**Lesson Plan**

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| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | **17-31 July 2017** | Joined on 28 July 2017 | Syllabi Discussion |
|  | **01-31 Aug 2017** | Univariate Analysis: Measures of Central tendency, Moments, Dispersion, Correlation and Regression analysis- partial and multiple. |  |
|  | **01-30 Sept 2017** | Probability Theory: Concept of probability, classical probability, relative frequency probability, and subjective probability, Addition and multiplication rules of probability, Baye’s theorem. Probability Distributions: Binomial, Poisson, and normal distribution and their application to business. | Group Discussion  PowerPoint presentation |
|  | **01-31 Oct 2017** | Statistical Decision Theory: Decision environment, Expected profit under certainty, risk and uncertainty, Utility theory | Group Discussion  PowerPoint presentation |
|  | **01-13 Nov 2017** | Sampling: probability and non probability methods, sampling and non sampling errors, precision and accuracy, efficiency of sampling methods, law of large numbers, central limit theorem and sampling distributions. | Group Discussion  Oral presentation |

**Topics of Assignments/ Class Tests to be given to the Students:**

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| **Assignment 1** | Sampling: probability and non probability methods, |
| **Assignment 2** | Correlation and Regression analysis- partial and multiple. |
| **Class Test** | Sampling, Probability |