

Jahangirnagar University  
Institute of Information Technology (IIT)  
Final Assignment, 2<sup>nd</sup> Year 1<sup>st</sup> Semester B. Sc. (Hons.) Examination 2020  
Course No. IIT 2107, Title: Probability and Statistics for Engineers  
Total Marks: 10, Last Date of Submission: 02.08.2021 (within 02:00 pm)

**Final Assignment:**

Explain the meaning of correlation with some real life examples. Define the different degrees of correlation with real life examples. Write down the uses of correlation. What are the different properties of correlation? Explain the different methods for computing the coefficient of correlation.

The following data refers to the sales and expenses (in lakh taka) of 10 computer firms for the year 2017. Compute the coefficient of correlation using the above methods and comment on your results.

Sales (in lakh taka)	112	116	103	117	98	118	110	104	111	105
Expenses(in lakh taka)	65	69	60	68	56	72	61	53	64	62

**Instructions for students:**

- Submit your assignment in the google classroom within the given specified time. Clearly write your name, class roll number, course number and course title at the top of your assignment.
- If you fail to submit it in the google classroom then submit it in my mail ([muzib378@juniv.edu](mailto:muzib378@juniv.edu)) mentioning class roll number and final assignment 2107 in the subject.
- Don't give your assignment script to other for copy. All similar types of assignment with any student will be evaluated as 0 out of 10. I considered it very lightly in your tutorial exam and class attendance assignment. But there is no scope to consider it in this time.

**Prof. Dr. Mohd. Muzibur Rahman**  
**Course Teacher: IIT 2107**