



भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी  
**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI**

**Data Analytics Lab, M.Tech 3rd Semester**

**Instructions**

1. Upload all your codes to Github.
2. You will be called randomly to explain the code based on which marks/grade will be assigned.

**Assignment -7**

1. Import any database of transactions of your choice (Groceries' dataset may be preferred. It is predefined in R package)
  - (a) Load required R libraries : arules and arulesViz
  - (b) Apply apriori algorithm and mine the frequent itemsets and association rules. Use the default values of minimum support and minimum confidence.
  - (c) Displays the first 10 strong association rules.
  - (d) Plot the 20 items with highest item frequency.
2. Continue the same with minimum support of 20% and the minimum confidence of 50%.