**DATA SCIENCE**

**ASSIGNMENT - I**

**1. ELUCIDATE HOW LINEAR ALGEBRA IS USED IN DATA SCIENCE?**

**2. Define hyperplanes,eigen vectors and eigen values. Demonstrate the usage of hyperplane eigen vectors and eigen values in data science with an example.**

**3. Explain R objects vectors,lists and data frames with an example?**

**4. With examples describe data visualisations in R?**

**5. Describe different Matrix operations in R with examples?Explain about functions?**