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| **Assignment No.** | **01** |
| **Tittle** | Study of platform for Implementation of Assignments :  Download the open source software of your interest. Document the distinct features and functionality of the software platform. You may choose WEKA or R or R-java. |
| **Roll No.** | 20 |
| **Date** | 21/06/2016 |

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| **Assignment No.** | **02** |
| **Tittle** | Supervised Learning - Regression :  Generate a proper 2-D data set of N points. Split the data set into Training Data set  and Test Data set.  (1 to 6 points) |
| **Roll No.** | 20 |
| **Date** | **05/07/2016** |

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| **Assignment No.** | **03** |
| **Tittle** | Supervised Learning - Classification :  Implement Naïve Bayes Classifier and K-Nearest Neighbor Classifier on Data set of  your choice. Test and Compare for Accuracy and Precision. |
| **Roll No.** | 20 |
| **Date** | **19/07/2016** |

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| **Assignment No.** | **04** |
| **Tittle** | Unsupervised Learning :  Implement K-Means Clustering and Hierarchical clustering on proper data set of  your choice. Compare their Convergence. |
| **Roll No.** | 20 |
| **Date** | **08/08/2016** |

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| **Assignment No.** | **05** |
| **Tittle** | Dimensionality Reduction :  Principal Component Analysis-Finding Principal Components, Variance and Standard  Deviation calculations of principal components. |
| **Roll No.** | 20 |
| **Date** | **30/08/2016** |

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| **Assignment No.** | **06** |
| **Tittle** | Supervised Learning and Kernel Methods :  Design, Implement SVM for classification with proper data set of your choice.  Comment on Design and Implementation for Linearly non separable Dataset. |
| **Roll No.** | 20 |
| **Date** | **19/09/2016** |