Application Development Laboratory (CS 33002)

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

School of Computer Engineering

2 Credit

Analytics Application Development using R

Lab Contents

Sr #	Major and Detailed Coverage Area	Lab#
Predictive Analytics		10
1	Decision Tree	
2	KNN	
3	K-Means	
4	Random Forest	
5	Principal Component Analysis (PCA)	
6	Linear Discriminant Analysis (LDA)	

Decision Tree

Self-study and self-practice

Self-study and self-practice

K-Means

Self-study and self-practice

Random Forest

Self-study and self-practice

Principal Component Analysis

Self-study and self-practice

Linear Discriminant Analysis

Self-study and self-practice

Thank You
End of Lab 10

Lab Experiments

1. Search and download at least 2 datasets related to Decision Tree. Define the problem statement. WAP to demonstrate it.
2. Search and download at least 2 datasets related to KNN. Define the problem statement. WAP to demonstrate it.
3. Search and download at least 2 datasets related to K-Means. Define the problem statement. WAP to demonstrate it.
4. Search and download at least 2 datasets related to Random Forest. Define the problem statement. WAP to demonstrate it.
5. Search and download at least 2 datasets related to Principal Component Analysis. Define the problem statement. WAP to demonstrate it.
6. Search and download at least 2 datasets related to Linear Discriminant Analysis. Define the problem statement. WAP to demonstrate it.