Practical On PPL and Database Technologies

Semester I	Subject Code: MS11904	

Learning Outcomes:
After completion of this subject, the student shall be able to: ➤ Explain the detailed architecture, define objects, load data, query data and performance tune Document-oriented NoSQL databases through the practical assignment. ➤ Demonstrate an understanding of the detailed architecture, define objects, load data, query data and performance tune Key-Value Pair NoSQL databases through the practical assignment. ➤ Explain the detailed architecture, define objects, load data, query data and performance tune Graph NoSQL databases through the practical assignment. ➤ Perform hands-on NoSql database lab assignments that will allow students to use the four MongoDB, Neo4J.

PPL and Database Technologies Practical

Semester I	Subject Code: MS11904	Lectures: 60

Objectives:
The syllabus aims in equipping students with, • Understanding the features of SCALA language with different object Oriented features. • Using mongoDB aggregation framework.

PPL Assignments	24
1. Assignments on Control Structures	
2. Assignments on Arrays	
3. Assignments on Strings	
4. Assignments on Classes and Objetcts	
5. Assignments on List	
6. Assignments on Map	
7. Assignments on Set	

BOS Members:
Dr. Reena Bharathi (Subject Expert)
Dr.Manisha Bharambe (Subject Expert)
Dr. Jyoti Yadav (Subject Expert)
Mr Vishal Salke (Industry Expert)
Ms Amruta Nambiar(Alumni)
Prof. Ashwini Kulkarni (Chairman and Internal faculty)
Prof. Smita Borkar (Internal Faculty)

MongoDB Assignments	24
1. Assignments on Collections and Documents	
2. Assignments on Expressions and Comparison	
3. Assignments on $Where	
4. Assignments on Projection	
5. Assignments on Aggregation	
6. Assignments on Limit and Sort	
7. Assignments on cursor	
8. Assignments on CRUD	

Contact Hours : 12 Hours

BOS Members:
Dr. Reena Bharathi (Subject Expert)
Dr.Manisha Bharambe (Subject Expert)
Dr. Jyoti Yadav (Subject Expert)
Mr Vishal Salke (Industry Expert)
Ms Amruta Nambiar(Alumni)
Prof. Ashwini Kulkarni (Chairman and Internal faculty)
Prof. Smita Borkar (Internal Faculty)