Course:Major Computer Science Practical-MongoDB and SCALA

Semester I Credits: 2 Subject Code: SMAJCCSP123555 Lectures: 60

Course Outcomes:

At the end of this course, the learner will be able to:

- CO1 Understand syntax of SCALA programming language with different objectoriented features
- CO2 Applyfunctional programming with SCALA
- CO3 Learn to design database schema using Advanced Queries and CRUD operations of MongoDB database
- CO4 Use MongoDB Aggregation framework.

Unit 1: SCALA Assignments	
Assignment on Arrays and Control Structures	
Assignment on Strings	
 Assignment on Classes and Objects 	
Assignment on List	
Assignment on Map	
Assignment on Set	

Unit 2:MongoDB Assignments	30
Assignment on Expression and comparison queries	The state of the s
Assignment on Projection queries	
Assignment on Aggregation	
 Assignment on count, limit, skip, count 	
Assignment on Cursor	
Assignment on CRUD	

References Books:

- Alvin Alexander, Scala Cookbook, O'REILLY publication
- Charlie Brooks, Enterprise NoSQL for Dummies, A Willy Brand, Marklogic Special Edition, ISBN: 978-1-118-83261-5 (ebk)

Websites:

http://nosql-database.org



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