

## MCAP206: Data Analytics with Python Programming Lab

Hours/Week: 6

I.A. Marks: 30

Credits: 3

Exam. Marks: 70

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### Course Learning Objectives: Students will try to learn,

1. To optimize business decisions and create competitive advantage with Big Data analytics
  2. To explore the fundamental concepts of big data analytics.
  3. To learn to analyze the big data using intelligent techniques.
  4. To understand the various search methods and visualization techniques
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### Course Outcomes: After completing the course, the students will be able to,

- CO1: Implement statistical analysis techniques for solving practical problems.  
CO2: Perform statistical analysis on variety of data.  
CO3: Practically realize the working experiments of Python using Hadoop.  
CO4: Perform appropriate statistical tests using R and visualize the outcome.  
CO5: Understands the applications using Map Reduce Concepts.  
CO6: Develop Big Data Solutions using Hadoop Eco System.  
CO7: Manage Job Execution in Hadoop Environment.
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## MCAP207: Android Programming Lab

Hours/Week: 6

I.A. Marks: 30

Credits: 3

Exam. Marks: 70

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### Course Learning Objectives: Students will try to learn

1. To gain knowledge of installing Android Studio and Cross Platform Integrated Development Environment.
  2. The designing of User Interface and Layouts for Android App.
  3. How to use intents to broadcast data within and between Applications.
  4. The content providers and Handle Databases using SQLite.
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### Course Outcomes: After completing the course, the students will be able to,

- CO1: Experiment on Integrated Development Environment for Android Application Development.  
CO2: Design and Implement User Interfaces and Layouts of Android App.  
CO3: Use Intents for activity and broadcasting data in Android App.  
CO4: Design and Implement Database Application and Content Providers.  
CO5: Experiment with Camera and Location Based service and develop Android App with Security features.  
CO6: To introduce Android APIs for Camera and Location Based Service.  
CO7: To discuss various security issues with Android Platform
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