



ADMINISTRATIVE MANAGEMENT COLLEGE
18th KM, Bannerghatta Road, Bangalore - 560083

Adobe Flex

Course Description

Adobe Flex is an open source application framework used for development and deployment of web applications in the Flash plugin, across major browsers, desktops and devices including iOS, Android, and BlackBerry Tablet OS devices. It helps to achieve complex GUI tasks with minimal code, gets easily integrated with third party components, has a powerful IDE and a rich GUI.

Course Requirements

- Familiarity with any programming language and a text editor
- Understanding of web technologies such as HTML, CSS, AJAX etc

Course Duration

Lecture Hours: 20
Practical Hours: 20
Total Hours: 40

Course Contents:

Module 1: Introduction to Flex
Module 2: Different RIAs
Module 3: What and why Flex
Module 4: Eclipse and Adobe Flash Builder
Module 5: Flash Builder – Installation and key features
Module 6: Architecture of Flex Application
Module 7: AIR and Web
Module 8: Your first Hello World Application
Module 9: MXML Application Development
Module 10: MXML Syntax
Module 11: Using ActionScript
Module 12: Basics of Events
Module 13: Basics of Connectivity options available
Module 14: Practical – Reporting Dashboard for Sr. Management in a IT Company
Module 15: Visual Components
Module 16: Styles
Module 17: Event and Behaviors
Module 18: Components Sizing and Positioning

Module 19: Using Containers
Module 20: Practical- Adding Components to Dashboard Application
Module 21: Understanding DataProviders and Collections
Module 22: Different Controllers
Module 23: Practical - Adding Controls to Dashboard Application
Module 24: Creating Skins
Module 25: Using Item Renderers
Module 26: Item Editors
Module 27: States
Module 28: Transitions
Module 29: ToolTips
Module 30: Practical – Extending Dashboard Application
Module 31: Java Connectivity
Module 32: Remote Service
Module 33: Flex – Java - DataBase
Module 34: Practical – Extending Dashboard Application to add dynamic data using Database
Module 35: Visualization Components
Module 36: Different Charts
Module 37: Graphs
Module 38: Advanced Data Grids

Grading Policy

The final grade in the course will be based solely on attendance, project work and assignments. The student must obtain more than 65 % of the total points to successfully complete the course.

COURSE OUTCOME:

- Create the application interface
- Dispatch and handle built-in and extended events
- Retrieve remote XML data
- Skin applications and components
- Display content with the DataGrid and DataGroup
- Create and utilize a typed data model