



## Course Description

This two-day Function Point Analysis (FPA) course is taught by a practiced, professional engineer. The course is intended for students at an introductory to intermediate knowledge level of performing Function Point Analysis. The objectives of the course are for students to understand FPA methods and their importance to project management, and to be able to apply these methods on their projects. The course uses case studies and class exercises to reinforce and practice the presented information.

## Curriculum

- Introduction to Function Point Analysis
  - Definition
  - History and IFPUG
  - Benefits
  - Types Of Count
- Function Point Counting
  - Types of Count
  - High Level Steps
  - Independence and Dependence
  - FPA Steps for Files
- Boundary Identification
  - Identify The Application Boundary
  - Standard Documentation
  - Technology Issues
- RET's , DET's and FTR's
  - Definition
  - Rating
  - Transaction DET's
  - Record Element Types
  - DET's for GUI
  - DET's For Real Time
- External Inputs
  - Definition
  - Counting tips
  - Data Elements
  - File Types Referenced
  - Tips for Identification
- External Outputs
  - Definition
  - Counting tips
  - Data Elements
  - File Types Referenced
  - Tips for Identification
- External Inquiries
  - Definition
  - Counting tips
  - Data Elements
  - File Types Referenced
  - Tips for Identification
- Transactions
  - Languages
  - Graphics
  - Messages
  - Complex Controls
- Internal Logical Files
  - Definition
  - Counting tips
  - Data Elements
  - Record Elements
  - Tips for Identification
- External Interface Files
  - Definition
  - Counting tips
  - Tips for Identification
- Calculating Adjusted Function Points
  - Definition
  - Unadjusted Function Point
  - Function Point Adjustment
- Case Studies
  - Case Studies
  - Class Exercises