

## Financial Modeling and Forecasting - Workshop

### **General Objectives:**

This Course aims to equip participants with the knowledge and practices necessary to build financial models to enable them to develop better financial analysis and forecasting, risk analysis, and to inform some of the decision making.

### **Specific Objectives:**

At the end of this Course, participants will know how to:

- Create financial models according to your Company's needs;
- Quantify uncertainties inherent to forecasting models with multiple risk analysis techniques;
- Improve and make more cost-effective decision making processes using advanced financial methods;
- Evaluate patterns based on the company's financial history;
- Identify and utilize key company factors and include them in the forecast model;
- Effectively communicate and convey the results of their models to the team and management.

### **Recipients:**

This course is intended for all financial professionals who need to build and analyze financial models.

### **Duration:**

18 Hours

### **Content Program:**

#### **Module I - Introduction**

- Need and Importance of Forecast Models;
- Different Types of Forecasts;
- The Financial Function, Financial Management and Financial Models.

### **Module II - Financial Theories used in Modeling**

- The different Basic Principles in Finance;
- Theories on the Cost of Capital;
- Theories on Capital Structure.

### **Module III - The best techniques in the construction of models;**

### **Module IV - Statistical and Forecasting Models**

- Regression Models;
- Extrapolation Models.

### **Module V - Creating financial models using Microsoft Excel**

- Investment Analysis Models;
- Financing Analysis Models;
- Financial Statement Analysis Models.

### **Module VI - Risk and Uncertainty - main models used**

- Identification and Attitude towards the sources of higher risk and uncertainty;
- Sensitivity Analysis;
- Scenario Analysis;
- Limitations of Forecast Models.