FINANCIAL MODELING

COURSE OBJECTIVES

In today's scenario of economic unpredictability and random upheavals in trade and commerce, Financial Modelling has become an important skill to have. It is the most widely sought-after skills by Accountants, Bankers and finance Managers in the World today. It is the art of building a model to depict financial statements and investment analysis using Microsoft Excel. This helps to arrive at optimal business solutions by analyzing various parameters. Financial models can be used to represent the performance of a business, a project or any other investment. In today's world, all decisions made are based on quantitative analysis and information. This is why Accountants, Bankers, Investment Business Analyst, Equity Research Analysts, and Fund Managers find Financial Modelling indispensable**.**

This Program is Organized for Financial Modelers, Consultants, Accountants, Financial controllers, Financial Managers, Business analysts, financial analysts, Business Owners and Entrepreneurs, Individuals for personal finance, Business development managers, SMEs Advisers, Master's Degree and PHD Students.

COURSE FEE: ~~₦~~120,000

Course Outline

i. Fundamentals of Financial Modelling

- Financial Statements Basics
- Fundamentals of Financial Modelling

ii. Mastering Financial Analysis

- Building a Financial Ratio Database in Excel
- Practical Modelling: The Cost-Volume-Profit Relationship
- Measuring and Improving Return on Investment
- Measuring and Improving Asset Management Efficiency
- Measuring and Managing Capital Structure and Risk
- Practical Modelling: The Effect of Gearing on Shareholders' Earnings

iii. **Financial Projection:**

- Introduction of Spin button and combo box for projection

iv. **Financial Planning:**

- Modelling Income Statement,
- Balance Sheet, cash flow,

- Financial ratios,
- financial statement forecasting

v. Improving Financial Forecasting

- Practical Modelling: Using Excel Statistical Analysis Tools
- Avoiding Common Forecasting Problems
- Using Moving Averages to Analyze Time Series Data
- Using Linear Regression for Sales Trend Analysis
- Using Excel Solver to Minimize Forecasting Error
- Using Regression and Correlation to Forecast Costs
- ➢ Practical Modelling: Cash Flow Forecasting

vi. Financial Models to Improve Investment Decision-making

- Principles of Capital Investment Decision-making
- Sources and Cost of Business Finance
- Investment Appraisal techniques e.g (NPV, IRR, PBP)
- Practical Modelling: Using Excel Discounted Cash Flow Tools (DCF)
- Practical Modelling: Capital Investment Analysis
- Essentials of Business Valuation
- Practical Modelling: Business Valuation Based on Shareholder Value Added

vii. **Time Value of Money:**

- PV and FV of Annuity; (Single and Multiple Cash flow),
- Amortization;(Constant and general Discount rate),
- Sensitivity analysis.

viii. Managing Risk and Uncertainty

- Identifying and Analyzing Business Risk
- Probability Based Approach to Decision-making
- Monte Carlo Simulation
- Sensitivity Analysis and *"what-if"* Forecasting
- Identifying the Key Drivers of Financial Performance
- Practical Modelling: Key Driver *"what-if"* Forecast

ix. **Valuation:** Stock and Bond valuation with sensitivity analysis using spin button.