**Who should take this course?**

- Students who are interested in working in the finance, real-estate and consultancy fields especially.
- Students who want to master the use and design of spreadsheets using Excel 365 in areas of information systems, marketing and operations
- Students who want to have data analytical skills as a hiring competitive advantage

**Course Objectives**

- Systematically build spreadsheet-based business and other models
- Present data effectively through the use of graphs, pivot tables and other data visualization tools
- Apply various logical, lookup and reference functions to extract appropriate values from datasets
- Effectively apply advanced data analytic tools, including advance filters, scenario managers and the solver to achieve optimal solutions in data analysis
- Utilize macros to effectively increase efficiency in data extraction and analyses
- Create basic custom functions

**Topics Covered**

- Dynamic Dashboard & Charts
- Custom Functions
- Complex Functions
- Basic Functions

**What Can Excel Do?**

**Basic Functions**

```
=IF(E2-F2*XLOOKUP(C2,Reference_Table!$A$2:$A$6,Reference_Table!$D$2:$D$6)>0,(E2-F2*XLOOKUP(C2,Reference_Table!$A$2:$A$6,Reference_Table!$E$2:$E$6)),0)
```

**Custom Functions**

- MAXIFS, MINIFS, SUMIFS, XLOOKUP
- ARRAY SYNTAXES:
  - LARGE(IF(B2:B297="Full Time",IF(C2:C297=5,D2:D297)),2)