



## **Management Information Systems Management**

**2019/2020**

### **Project**

*(“COVID-19 Version”)*

#### **Part 1**

The students must create an original project inspired (or not) in the Excel file.

Deliverables of the 1st part of the work:

- Project Report, including (the following template is mandatory):
  - Project Plan
  - Requirements Document
  - Use Case Diagram and Activity Diagrams
  - Class Diagram
- Implementation of the MS-Access, including data. The group may also use MySQL.

#### **Part 2**

The group must create a PowerBI Dashboard using the dataset given by the professor. Accordingly, teams should follow a methodology that includes the steps:

- a. business understanding
- b. data understanding
- c. data preparation
- d. modelling
- e. Evaluation
- f. Deployment

In the context of the previous methodology, the group must:

- Define the meaning of the Business Intelligence work, including the KPIs that will be analyzed
- Add extra data to the data presented.
- Derive the Data-warehouse schema (Star or Snowflake), defining the structure of the table (s) of facts and dimensions.
- Justify the layout and navigation of the in the dashboard must be justified (using design theory and storytelling approach).
- Selection of the charts must be justified, using decision tree presented in the class.
- Create a Report using the appropriate views, based on the chosen KPIs. Handle the data so that it can be loaded into the PowerBi. Develop a dashboard that answers the questions raised in previous points.

Deliverables of the 2nd part of the work:

- g. Report
- h. PowerBI file

#### **Project presentation and discussion**

All the team members must be in class for discussion. Otherwise, the project evaluation for this team member will be 0 (zero). If the presentation is online, the camera must be turned on.

Pay attention to submission deadlines and discussion dates.



# LISBON SCHOOL OF ECONOMICS & MANAGEMENT

UNIVERSIDADE DE LISBOA

## **Management**

(Undergraduate Program)

*Project Title*

Students:

Autor 1, Numero

Autor 2, Número

Autor 3, Número

Lecturer:

Prof. Carlos J. Costa, Associate Professor

Information Systems and Operation Management

Department of Management

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