Introdução às Bases de Dados – Plannig

Data	Aula Teórica	Aula Prática
05/Jan/2018	Relational Databases. Entity-Relationship Model (ER). Entities; attributes and keyes. Relational Algebra (very brief introduction)	Application examples of the ER. Exercises.
12/Jan/2018	Normalization: functional dependencies; closures and Normal Forms (1st NF; 2nd NF; 3rd NF and BCNF).	Application example of Normalization; comparing resuls with ER Model. Project statement
19/Jan/2018	A language for exploring Databases: SQL (DDL and DML). Simple *Queries*; joins.	Implementation of a DB in sqlite. Exercises in SQL
26/Jan/2018	SQL (continuation): group functions; subqueries; Views; elaborate queries. The concept of trigger.	SQL exercises: elaborate *queries*. Examples of *triggers.*
02/Fev/2018	Support to the project	Support to the project
09/Fev/2018	Support to the project	Support to the project