EXERCÍCIO 5 – CLASSIFICAÇÃO METODOLÓGICA

ENGENHARIA DE REQUISITOS
PROF: MARCELO WERNECK
ALUNO: LUCAS FARIA

Part One

Paper: Internet of Things and Big Data Analytics for Smart and Connected Communities

The main goal of this paper is to introduce a new concept, which is evolving from smart cities: smart and connected communities. It does so by using the exploratory approach. While it firstly introduces us to many concepts used in the research, then it goes on explaining how areas such as IoT and Big Data can be used in the development of SCC.

It is classified as an exploratory article because its main purpose is to find out about this research area and improve ideas from previous articles. It also showed a case study, TreSight, which is a system responsible for smart tourism and culture heritage in the city of Trento, Italy.

Sun, Y., Song, H., Jara, A. J., & Bie, R. (2016). Internet of Things and Big Data Analytics for Smart and Connected Communities. *IEEE Access*, *4*, 766–773. https://doi.org/10.1109/ACCESS.2016.2529723

Part Two

The research area that I intend to develop is the usage of Big Data and IoT to improve people's mobility in big cities. The methodology is the exploratory one, since I want to focus on building my scientific knowledge about this area.

The technique that I want to focus while doing this research is bibliographic research, because it can get me what I need right now: experience reading research papers and knowledge about this area. I think, in the future, those are items that will help me the most, since they are the basis of building a good, palpable knowledge about a research area.