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Project Management

Provide here an overview of the contents (structure) of this chapter. Explain the project management approach your group followed and justify why you think it is a good approach.

Scope

Document the boundaries of your project. Document the product scope (the extent of what your project will produce) and the project Scope (summary of the work needed to produce it). Make sure you clearly define what is part of the project and what is outside of its scope, justifying as needed.

These are examples of citations to books **[1]** and **[2]**, a chapter on a smart companion **[3]**, articles on IoT **[4]**, blimps **[5]**, cloud computing **[6]**, gas emissions **[7]**, pedestrian crossing behaviour **[8]**, smart bicycles **[9]** and diaper moisture **[10]**, and to Web resources **[11]**, **[12]** and **[13]**.

Caption Plugin Usage Examples

Table 1 illustrates a boxed table with default column widths and Table 2 with specific column widths.

Table 1: Boxed table

Abbreviation	Description
EPS	European Project Semester
ISEP	Instituto Superior de Engenharia do Porto
USB	Universal Serial Bus

Table 2: Boxed table with specific column widths

Abbreviation	Description
EPS	European Project Semester
ISEP	Instituto Superior de Engenharia do Porto
USB	Universal Serial Bus

Table 3 shows the execution time results for each API. Table 4 lists the fruit bought at the grocery.

Table 3: Time response

API	Time (s)
EJML	26
JAMA	295
JBLAS	29
MTJ	18
WEKA	123

Table 4: Fruit Weight

Fruit	Weight (kg)
Pears	2.60
Apples	2.95
Oranges	1.90

Figure 1 displays a magnificent owl from Lapland.



Figure 1: Owl

Time

Explain how you managed the schedule of your project. Document the key milestones of your project, mapping key phases to reference deadlines.

Cost

Describe your project budget and its key components. Explain how your budget was managed throughout the project. Document the planned vs. effective costs of your project.

Quality

Document quality metrics that will apply to your project deliverables, associated thresholds and how they should be reviewed.

People & Stakeholder Management

Enumerate all people relevant to your project, including the project team and key stakeholders. Document their roles and responsibilities. Document your stakeholder management plan and strategy.

Communications

Document how your team will manage communications, describing communication channels, meetings, etc.

Risk

Identify key risks (product and project level), evaluate them and define how they should be handled (responses) and monitored. Perform quantitative and qualitative risk analysis and use the results to define the appropriate risk responses.

Procurement

Document your procurement management strategy including make vs buy decisions, materials/services to be acquired, sources, costs, timings, etc.

Project Plan

Document the project schedule, and the key project phases, using a Gantt Chart. Highlight the key project phases and milestones.

Describe how your plan was mapped to multiple iterative sprints.

Document how the sprint backlog was planned and managed for each of the sprints you have created in Planner.

Describe how prioritization was done.

Document how the estimation process was implemented, and any underlying challenges.

Provide a summary of the sprints that were executed, along with sprint goals.

Sprint Outcomes

Include the outcomes of all sprint reviews (what was the sprint backlog, completion status, planned capacity vs. achieved velocity).

Sprint Evaluations

Include the summary of all the sprint retrospectives, including any actions implemented as part of the team's continuous improvement strategy.

Summary

Provide here the conclusions of this chapter and make the bridge to the next chapter.

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[1] Rita Thapa, Hom Bahadur Rijal, Masanori Shukuya, Hikaru Imagawa, 2019. Study on the wintry thermal improvement of makeshift shelters built after Nepal earthquake 2015. *Energy and Buildings*, 199, pp.62 - 71, ISSN 0378-7788.
[2] Kazuko Obayashi, Shigeru Masuyama, 2020. Pilot and Feasibility Study on Elderly Support Services Using Communicative Robots and Monitoring Sensors Integrated With Cloud Robotics. *Clinical Therapeutics*, ISSN 0149-2918.
[3] Alexandre Soares dos Reis, Elien Gielen, Ko Wopereis, Marcel Pasternak, Vaido Sooäär, Tobias Schneider, Abel J. Duarte, Benedita Malheiro, Jorge Justo, Cristina Ribeiro, Manuel F. Silva, Paulo Ferreira, Pedro Guedes, 2020. Smart Companion Pillow – An EPS@ISEP 2019 Project. *Robot 2019: Fourth Iberian Robotics Conference*, Cham: Springer International Publishing, pp.465–476, ISBN 978-3-030-36150-1.
[4] Abdelbaset S. Hamza, Rahman Tashakkori, Bejamen Underwood, William O'Brien, Chris Campell, 2023. BeeLive: The IoT platform of Beemon monitoring and alerting system for beehives. *Smart Agricultural Technology*, 6, pp.100331, ISSN 2772-3755.
[5] Manuel Mahn, Markus Kemper, 2006. A BEHAVIOUR-BASED NAVIGATION SYSTEM FOR AN AUTONOMOUS INDOOR BLIMP. *IFAC Proceedings Volumes*, 39, pp.837-842, ISSN 1474-6670.
[6] B. Sotomayor, Ruben S. Montero, I.M. Llorente, I. Foster, Sept 2009. Virtual Infrastructure Management in Private and Hybrid Clouds. *Internet Computing, IEEE*, 13, pp.14-22.
[7] Ranjith, V. Velmurugan, S. Thanikaikarasan, 2020. Prediction of Exhaust Gas Emission characteristics using Neem oil blended bio-diesel in diesel engine. *Materials Today: Proceedings*, 21, pp.870 - 875, ISSN 2214-7853.
[8] Anae Sobhani, Bilal Farooq, 2018. Impact of smartphone distraction on pedestrians crossing behaviour: An application of head-mounted immersive virtual reality. *Transportation Research Part F: Traffic Psychology and Behaviour*, 58, pp.228 - 241, ISSN 1369-8478.
[9] YeongKyun Lee, Jongpil Jeong, 2018. Design and Implementation of Monitoring System Architecture for Smart Bicycle Platform. *Procedia Computer Science*, 134, pp.464–469, ISSN 1877-0509.
[10] Tareq Khan, May 2018. A Smart Wearable Gadget for Noninvasive Detection and Notification of Diaper Moister. *2018 IEEE International Conference on Electro/Information Technology (EIT)*, pp.0240-0244, ISSN 2154-0373.
[11] Android Open Source Project, 2014. *Android Developers: Android 4.1 APIs.* [Accessed in April 2017].
[12] Cloud Expo, 2008. *Twenty-One Experts Define Cloud Computing.* [Accessed in April 2021].
[13] Gartner, 2021. *Gartner Magic Quadrant for Data Science and Machine Learning Platforms.* [Accessed in April 2021].

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