



Școala
informală
de IT

Project Management Curriculum

Școala Informală de IT

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1. Objectives

The objectives of this course are to assist IT professionals (usually finding themselves in leadership positions – Tech/Team/QA Leaders) to seamlessly move towards a Project Management position.

The sessions shortly tackle the theoretical aspects of the Project Management knowledge areas only to further develop these concepts through case studies, open discussions and real life scenarios extracted out of various IT projects. Often, a parallel between the linear and iterative approaches will be used in order to highlight the advantages of one particular approach versus the other.

2. Prerequisites

Candidates eligible for this course should either have at least three years of experience in the IT industry or be a technical course graduate at the Informal School of IT while additionally having at least 2 years of experience in a leadership role in another industry is beneficial.



3. Curriculum

1. Introduction to IT Project Management

- a) Project vs Process
- b) Core Skills of a Project Manager
- c) Specifics to IT Project Management
- d) PMI, Prince2 and Scrum Alliance
- e) Types of Organizations
- f) PMI - Knowledge Areas

2. Project Management Methodologies / Frameworks

- a) Waterfall
- b) Scrum
- c) Kanban, RUP, SAFe
- d) Vocabulary

3. Integration Management

- a) Discuss and debate the criticality of this activity
- b) Understand how it maps over the agility concepts (e.g. SCRUM framework, how does it deal with it, if in fact is actually dealing it?)
- c) Vocabulary

4. Scope Management

- a) Requirements Elicitation (Gathering)
- b) Requirements Analysis
- c) Requirements Specification
- d) Requirements Validation
- e) Requirements Change Management
- f) Traceability
- g) Vocabulary



5. Time Management

- a) Estimations
- b) Project timeline
- c) Vocabulary

6. Quality Management

- a) Understand quality as a concept and the way it related with various verticals (code, project, program...)
- b) Enumerate the concepts on both linear and iterative approaches, debate them, and find a correspondence where such a connection exists
- c) Discuss the intersections with additional stakeholders in order to ensure and preserve the quality
- d) Vocabulary

7. HR Management

- a) Motivational theories
- b) Organizational planning
- c) Team management
- d) Soft Skills
- e) Vocabulary

8. Cost Management

- a) Cost estimation techniques
- b) Cost control
- c) Earned Value Management
- d) Vocabulary



9. Communication Management

- a) Tools and techniques
- b) Performance reporting
- c) Lessons learned
- d) Vocabulary

10. Risk Management

- a) Principles behind risk management
- b) Performing a decent risk management depending on the context you are finding yourself
- c) Vocabulary

11. Stakeholder Management

- a) Why this is may be single most important activity you shall perform
- b) Key principles behind this activity
- c) Vocabulary

12. General testing concepts

- a) Testing phases
- b) Testing types
- c) Bug tracking tools
- d) Testing deliverables
- e) Communication with a tester
- f) Vocabulary



13. Tools

- a) PM (MS Project, Jira, Version One, Trello, Asana, Excel, etc.), Collaborative (Confluence, SharePoint)
- b) Have a look at an entire end-to-end ecosystem (starting from Requirements Specification)
- c) Reporting
- d) Sample projects Applying the learned phases and knowledge areas

14. PMO

- a) Why PMO?
- b) Why many companies are setting up a PMO of their own?
- c) How will I, as a PM, will contribute to such an organization?
- d) Vocabulary

15. A day in the life of a Project Manager

- a) Meetings
- b) Formal and informal communication
- c) Problem solving
- d) Reporting
- e) Decision making

16. Interview preparation

- a) Commonly asked interview questions and answers
- b) Body Language and interview etiquette
- c) Adjusting language based on interviewer's role in the company (HR vs. technical vs. PM)
- d) What to mention in your CV / LinkedIn profile
- e) Which are the questions to ask at the end of the interview to assess the hiring company