



Software Project Management SSZG622

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About the SPM course

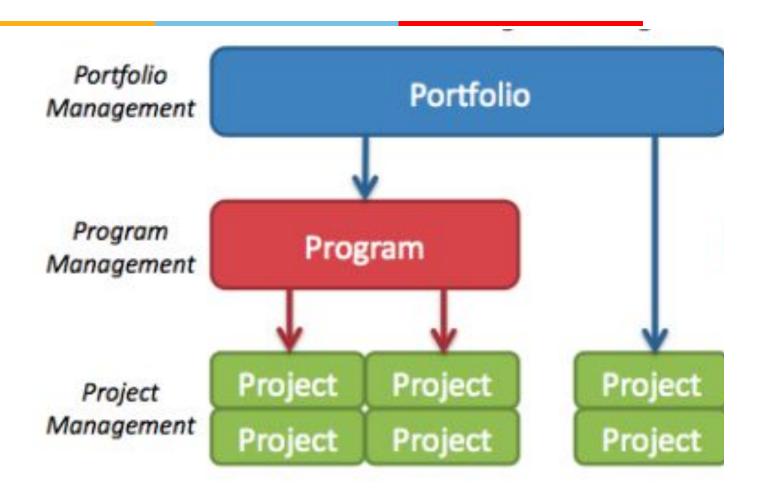
- Flipped mode with recorded lecture content on Taxila/elearn platform
- Small group work (on MS-Teams)
- ACL case study used in all contact sessions



a)What do software project managers do or expected to do? b)What are the typical challenges associated with managing software development projects?

Topics

- Project vs. program vs. portfolio
- SDLC vs. project life cycle
- Why SPM is challenging?
- Evaluation scheme and assignment details
- Objectives for information system and project management



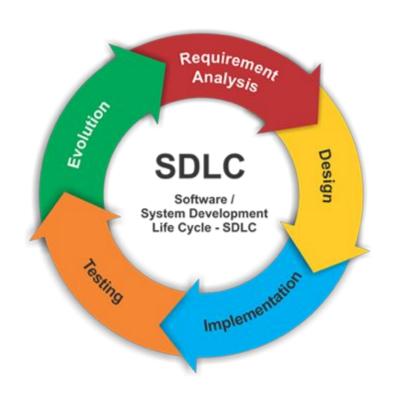
https://kevinberardinelli.com/2011/03/07/project-management-body-of-knowledge-pmbok-notes-introduction-chapter-1/

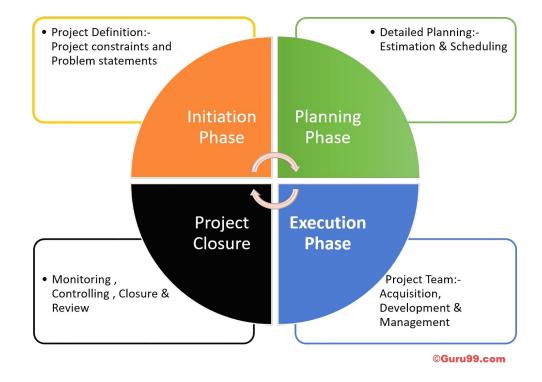


Why A2Z Cinemas Ltd (ACL) wanted to start Mux Core Project (especially when they have other systems providing the required functionality)?



SDLC vs project life cycle





Software development projects -Success vs failure

innovate achieve lead

MODERN RESOLUTION FOR ALL PROJECTS

	2011	2012	2013	2014	2015
SUCCESSFUL	29%	27%	31%	28%	29%
CHALLENGED	49%	56%	50%	55%	52%
FAILED	22%	17%	19%	17%	19%

The Modern Resolution (OnTime, OnBudget, with a satisfactory result) of all software projects from FY2011–2015 within the new CHAOS database. Please note that for the rest of this report CHAOS Resolution will refer to the Modern Resolution definition not the Traditional Resolution definition.

https://www.infoq.com/articles/standish-chaos-2015

Project Success Quick Reference Card

Modern measurement (software projects)



Based on CHAOS 2020: Beyond Infinity Overview, January 2021, QRC by Henry Portman

Good Sponsor, Good Team, and Good Place are the only things we need to improve and build on to improve project performance.





The Good Place is where the sponsor and team work to create the product. It's made up of the people who support both sponsor and team. These people can be helpful or destructive. It's imperative that the organization work to improve their skills if a project is to succeed. This area is the hardest to mitigate, since each project is touched by so many people. Principles for a Good Place are:

- · The Decision Latency Principle
- The Emotional Maturity Principle
- The Communication Principle
- The User Involvement Principle
- The Five Deadly Sins Principle
- The Negotiation Principle
- . The Competency Principle
- . The Optimization Principle
- . The Rapid Execution Principle
- . The Enterprise Architecture Principle

Successful project Resolution by Good Place Maturity Level:

highly mature	50%
mature	34%
moderately mature	23%
not mature	23%

The Good Team is the project's workhorse. They do the heavy lifting. The sponsor breathes life into the project, but the team takes that breath and uses it to create a viable product that the organization can use and from which it derives value. Since we recommend small teams, this is the second easiest area to improve. Principles for a Good Team are:

- . The Influential Principle
- The Mindfulness Principle
- The Five Deadly Sins Principle

challenged

- The Problem-Solver Principle
- . The Communication Principle
- . The Acceptance Principle
- The Respectfulness Principle
- The Confrontationist Principle
- . The Civility Principle
- The Driven Principle



failed

19%

successful

31%

Successful project Resolution by Good Team Maturity Level:

highly mature	66%	
mature	46%	
moderately mature	21%	
not mature	1%	

The Good Sponsor is the soul of the project. The sponsor breathes life into a project, and without the sponsor there is no project. Improving the skills of the project sponsor is the number-one factor of success – and also the easiest to improve upon, since each project has only one. Principles for a Good Sponsor are:

- The Decision Latency principle
- The Vision Principle
- The Work Smart Principle
- The Daydream Principle
- The Influence Principle
- The Passionate Principle
- The People Principle
- The Tension Principle
- The Torque Principle
- The Progress Principle





https://hennyportman.wordpress.com/2021/01/06/review-standish-group-chaos-2020-beyond-infinity/



What are the possible reasons for unsuccessful projects (i.e., failed or challenged projects)?

Evaluation scheme

No	Name	Туре	Duration	Weight	Day, Date, Session, Time
EC-1	Quiz 1	Online	1 week	5%	Before mid-sem test
	Quiz 2	Online	1 week	5%	After mid-sem test
	Assignment 1 and Assignment 2	Report	~ 2 weeks each	10% + 10%	Before the mid-sem test and Before the comprehensive exam
EC-2	Mid-Semester Test	Closed Book	2 hours	30%	Refer to the semester calendar
EC-3	Comprehensive Exam	Open Book	2 hours	40%	Refer to the semester calendar

Individual assignments

- You will prepare and submit a report on a topic related to software project management in two parts
- You are expected to put in 10 to 12 hours of total effort in study, collecting relevant information, and preparation of the report
- Submissions will be checked for plagiarism using Turnitin tool (no marks will be awarded for reports with similarity score above 25%)
- Further details to be provided after topic assignment in next week

Sample topics for the assignment

Software effort estimation

Project initiation or planning

Project management life cycle

Project risk management

Techniques for quality improvement

Project scheduling

Build or buy decision making

Project evaluation



For the Mux-Core project of ACL, identify objectives for

- a) Mux-Core system and
- b) Mux-Core project management