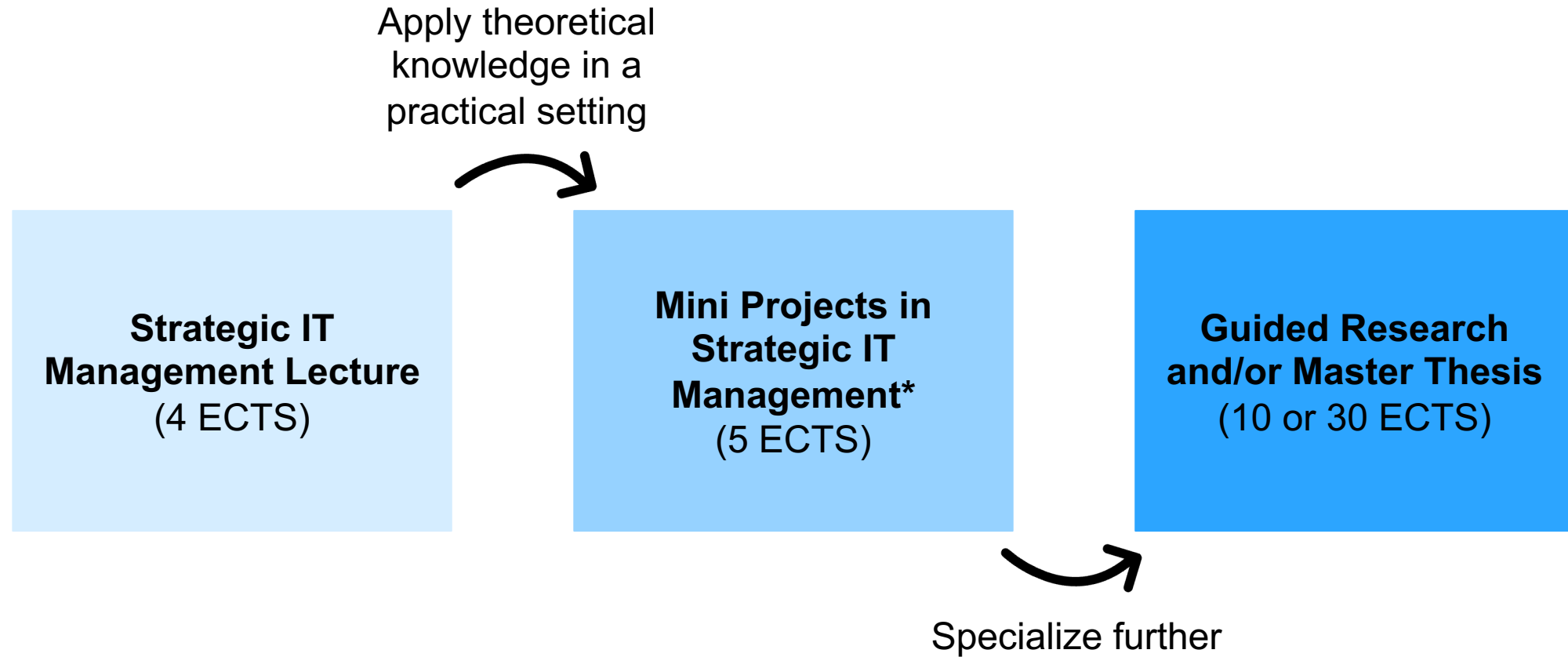


Mini Projects in Strategic IT Management (EAM Mini-Projects) – Announcement SS 2024

Franziska Maria Tobisch

02.02.2024, Preliminary course meeting

Chair of Software Engineering for Business Information Systems (sebis)
Department of Computer Science
School of Computation, Information and Technology (CIT)
Technical University of Munich (TUM)
www.matthes.in.tum.de



**former EAM Mini Projects, in the Matching System still called that way!*

Learning objectives

- Applying acquired strategic IT management knowledge in practice
- Collaboratively creating an organization-specific solution for a relevant problem in a large organization
- Presenting the solution and writing a paper

Key facts

- Teams of 3-4 students construct a solution for a particular case of an industry partner of the chair
- Duration: full semester
- Exam: Final paper (max. 10 pages) and two oral presentations

Participation criteria

- Send your application documents (incl. name, matriculation number, CV, Transcript of Records, and motivation letter) via email to franziska.tobisch@tum.de until the 14.02.2024
- Register in the matching system until 14.02.2024

Prerequisites

- Bachelor studies with a focus on IT and basic knowledge in software engineering
- Successful participation in SITM (IN2089/CIT4230000)

Former industry partners



Mapping of a target development in the EAM tool ADOIT for an MVP

Insurance companies implement target development in an EAM tool to comply with BaFIN requirements. Beyond pure compliance, the case company would like to use target building in a way that they can generate added value for the company from it, especially in the planning of roadmaps for the various divisions. Today, there is no uniform target building in the case organization outside of PowerPoint and mostly at the capability level. ADOIT is the organization-wide EAM tool.

*Which stakeholders have what questions that can be solved with target structures?
How can dependencies between the target structures of individual areas be displayed?
How can the relevant artifacts and representations be mapped in ADOIT?*

Approach

- Familiarization with ADOIT
- Review existing artifacts, representations, and specifications for target development
- Conducting interviews with designated stakeholders to identify issues that can be addressed with target builds
- Mapping the identified issues to the EAM patterns to identify potential solutions
- Gather requirements for mapping the selected artifacts and representations into ADOIT
- Implementation of the artifacts and representations in ADOIT for an area

Results

- Checklist of a structured procedure
- List of artifacts and representations that can be implemented in ADOIT
- List of requirements for mapping artifacts and representations in ADOIT
- Content target development in ADOIT mapped on the basis of an MVP for an area

Viewpoint templates for application landscape management

The case company is a global acting insurance and asset management company. The case organization's IT Strategy and IT Management is responsible for strategically steering the implementation of the IT strategy within the overall organization. Architecture governance is a core competency to ensure this implementation globally. Therefore, the case organization has rolled out an EAM tool globally for the documentation of the historically grown application landscapes. While the documentation of the inventory is quite mature, the visualization capabilities of the EAM tool have not yet been investigated to define viewpoint templates for all parts of the organization to communicate target states, road mapping, and global domain model support.

The objective of the project is to develop a library of viewpoint templates based on the visualization capabilities of the EAM tool.

Approach

- Understand relevant use cases
- Analyze the visualization capabilities of the EAM tool
- Develop viewpoint based on exemplary data
- Perform a survey with the key stakeholders: architects, CIOs, COOs on suitability of viewpoints
- Re-design viewpoints based on results
- Amend the existing handbook for architects
- Create viewpoint templates in the EAM tool

Results

- Updated handbook
- Viewpoint templates

Other examples

- Embodied intelligence in company-wide production logistics
- Connecting small and medium-sized enterprises to GAIA-X
- Analysis of the role of the business architect in media companies
- Wardley Maps as a visualization method in EAM
- Agility in the target architecture and roadmap development process

Note: This is a tentative time schedule!

	Date	Event
	02.02.2024	Preliminary meeting
<i>Mandatory attendance!</i>	16.04.2024	Project presentation
	22.04.2024 – 14.06.2024	<i>Kick-off appointment + Regular JF with your team & industry partner*</i>
<i>Mandatory attendance!</i>	14.06.2024	Intermediate presentations
	17.04.2024 – 14.07.2024	<i>Regular JF with your team & industry partner*</i>
<i>Mandatory attendance!</i>	14.07.2024	Final presentations
	18.08.2024	Seminar paper submission


**decided based on your availability together with your team, industry partner, and chair supervisor*

Today
February 02, 2024



Preliminary meeting


Until February 14, 2024

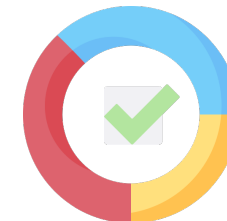
 matching.in.tum.de



Register in the matching* &
send your application to
franziska.tobisch@tum.de

February 23, 2024

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Matching result & further
information regarding the
course

* Seminar is called EAM Mini Projects in the Matching!

Icons from: <https://www.flaticon.com/de/>

Mid-April



Topic presentations by the industry partners

Mid-April



Submit of your preferences

Mid-April



Information about the assigned industry partner, team

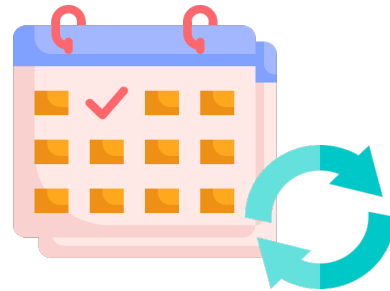
Working on your project

During the semester
Mid to End of April



Organize a kick-off with your team and your industry partner

During the semester
Mid of April to July



Regularly meet with your team and industry partner (and sebis supervisor), e.g., weekly or bi-weekly

Mid-June & July



Intermediary and final presentation

Mid-August



Submit research paper

Your sebis supervisor will guide and support you regarding the research approach, any open topics, questions or any issues...

Feel free to contact franziska.tobisch@tum.de in case of any questions!



M.Sc.

Franziska Maria Tobisch

franziska.tobisch@tum.de

Technical University of Munich (TUM)
TUM School of CIT
Department of Computer Science (CS)
Chair of Software Engineering for Business
Information Systems (sebis)

Boltzmannstraße 3
85748 Garching bei München

+49.89.289.17132
matthes@in.tum.de
www.matthes.in.tum.de

