



## AI Tools for Life and Work

<b>Version</b>	01/01/25
<b>Effective from (date of when the course was developed)</b>	

<b>Course Credits given</b>	4 ECTS
<b>Level/Year</b>	Bachelor, Master and PhD students
<b>Teaching hours</b>	40
<b>Workplace learning hours</b>	60
<b>Total learner managed hours</b>	50
<b>Total hours of student learning</b>	100

<b>Pre-requisites</b>	The course is open to all individuals, regardless of their background or experience. It is designed for beginners and suitable for students, professionals, or anyone interested in learning how to apply AI tools in daily life or work.
<b>Alignment to graduate profiles</b>	Bachelor (Undergraduate diploma) of Information Technology Specialist Diploma in Information Technology Master (Graduate diploma) in Information Technology
<b>Course aim</b>	The course introduces students to the practical use of modern AI tools for solving real-world problems in daily life and work. It covers topics such as text, image creation, productivity enhancement, and content generation, providing a strong foundation for understanding AI tools and their applications.



**Indicative  
Course  
content**

- Introduction to Artificial Intelligence and Its Practical Applications
- Basics of Machine Learning Theory for Beginners
- Prompt Engineering Techniques for Effective AI Use
- Image Generation and Video Creation Using AI Tools
- Introduction to Python for Non-Programmers
- Solving Coding Problems with AI Assistance
- Data Visualization Techniques with AI Tools
- Automating Repetitive Tasks with AI
- Practical Applications of Popular AI Tools
- Introduction to Data, Datasets, and Databases for AI Use
- Ethics of AI and Responsible AI Usage
- Overview of Neural Networks for Beginners
- Final Project Presentation: Applying AI Tools to Real-World Problems

**LEARNING OUTCOMES**

**On successful completion of this course students will be able to:**

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| 1 | Use modern AI tools to solve practical problems and automate tasks.                          |
| 2 | Create effective prompts to generate accurate and useful outputs from AI tools.              |
| 3 | Apply AI tools for tasks such as image creation, data visualization, and content generation. |
| 4 | Understand the basics of Artificial Intelligence and its practical applications.             |

**ASSESSMENTS**

<b>Basis of assessment</b>	Achievement based assessment Final project: Real-World application Daily Quizzes		
<b>Methods of assessment</b>	<b>Learning Outcomes</b>	<b>Pass criteria (Minimum)</b>	<b>% Weightings</b>
Final project	2,3	Error > 85%	50%
Daily Quizzes	1,4	0.7	50%



## REQUIREMENTS FOR SUCCESSFUL COURSE COMPLETION

<b>Requirements</b>	Mark of 70% or more in every summative assessment Gain a course result of C (50%) or higher
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## RESULTS

<b>Assessment results</b>	Results for assessments are given in percentage marks
<b>Course results</b>	Jupyter notebook with final project & teachers review, theoretical materials, in-class practical applications.

## LEARNING AND TEACHING

<b>Learning and teaching approaches</b>	<p>Learning process based on combining of 4 main types of materials:</p> <ul style="list-style-type: none"><li>• Theoretical lectures (Intuitions, ideas and algorithms description)</li><li>• Workshops (review of realization of described concepts and practical tasks)</li><li>• Self education (Learning of an extra academic materials, given by lecturers) + Squeezes for self-control</li><li>• Final project (Based on learned materials and gained skills)</li></ul> <p>Learning process is based on presenting the materials by teachers, discussing the materials and answering to students questions</p>
<b>Learning and teaching resources</b>	Manuals, academic journals; use of Internet; software; platforms; individual consultations with lecturers
<b>Learner managed activities</b>	<ul style="list-style-type: none"><li>• Completion of course work, set assignments/projects</li><li>• Reading of course materials</li><li>• Homework</li><li>• Discussions with colleagues/subject matter experts</li><li>• Review application of information to course work</li><li>• Practicing relevant practical and technical skills/methods/techniques</li><li>• Self-evaluation of course work</li><li>• Gathering relevant contextual information/ issues/ideas to build knowledge of the subject</li></ul>