

## Green and Sustainable AI

ECTS Credits: 5 ECTS

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| Degree Programme:       | <u>Digital Innovation and Research, MSc</u>  |
| Semester:               | 3 <sup>rd</sup> semester   |
| Teaching Units:         | 8 teaching units   |
| Learning outcomes:      | <ul style="list-style-type: none"> <li>• Students are familiar with the difference between Green and Red AI</li> <li>• Students know how AI can help to attain the SDGs</li> <li>• Students have developed sustainable concepts for AI</li> </ul>  |
| Teaching contents:      | <ul style="list-style-type: none"> <li>• Basics of green IT</li> <li>• Energy consumption of AI systems</li> <li>• Green AI vs. AI for green</li> <li>• Sustainability concepts of IT and AI</li> <li>• Interaction between SDGs and AI</li> <li>• Lifecycle of IT and AI systems</li> </ul> |
| Assessment:             | Assessment by final presentation   |
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