University West seeks VIP4WIL student engagement!

“Healthy AI Factory”

led by Helena Vallo Hult & Ulrika Lundh Snis

We are an interdisciplinary group from NU Hospital Group and University West conducting research, innovation and organisational development in the fields of AI, digitalisation and the future of healthcare. A central part of our work is to develop a joint innovation and collaboration environment—an “AI factory”—where healthcare needs meet research, education and technology development. Our goal is to create responsible, useful and sustainable AI solutions. We investigate how data, AI and other digital technologies can be used in areas such as resource planning, logistics, decision support and health data analysis. Digital cancer rehabilitation using VR and AI is one of the application areas being studied.

Student tasks and engagement include areas such as:

- Environmental scanning and knowledge reviews– mapping current research, technological developments, and national and international initiatives in AI, digital health and healthcare innovation.
- Needs and use-case analysis – investigating concrete needs and possible applications of AI in healthcare, for example in patient flows, logistics, decision support, diagnostics or digital rehabilitation.
- Data collection within the organisation – conducting pilot interviews, observations or workshops with healthcare professionals and other stakeholders, and compiling and analysing the results. Engaging healthcare professionals may be challenging and could therefore be more suitable for degree projects and theses. However, IT staff, development managers and other relevant personnel may be available to participate.
- Conditions for implementation – mapping organisational, legal, ethical and information-security issues related to a selected use case.

Creating change together.



Desirable skills:

We welcome students from a range of educational backgrounds or with interests in informatics, systems development, AI/computer science, digital media, industrial engineering and management, health sciences and engineering. Other relevant fields are also welcome.

We are primarily looking for students who:

- Are curious about AI, digitalisation and innovation.
- Have an interest in healthcare or the public sector.
- Enjoy analysing problems and translating ideas into concrete proposals.
- Have the ability to search for, compile and analyse information.
- Want to work interdisciplinary in collaboration between academia and working life.
- Are interested in research, organisational development and the data-driven organisations of the future.

Research Partners:
NU Hospital Group, VGR
Department of Business economics and IT
Department of Health Science

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