



Strategy of the University of Jyväskylä 2019–2030
WISDOM AND WELLBEING FOR US ALL

DIGITAL DEVELOPMENT PROGRAMME

Strategic vision:

A digital trailblazer

The University of Jyväskylä is an inspiring and open-minded pioneer in digitalisation at the individual and organisational level. It enables strong development and makes us trailblazers in our areas of strength.

- The University develops and explores a wide range of digital solutions that help us secure and enhance our position as an internationally renowned university in education and research.
- Digitalisation enhances learning, teaching and research, facilitating our everyday work and creating versatile and innovative interconnections at our people-centred university.
- JYU is a trailblazer in applying artificial intelligence in our core activities and administration. A growing share of our scientific research and degrees is based on the use of intelligent, interactive digital platforms.
- JYU is a trailblazer in digital capacity and features a campus infrastructure that supports digitalisation. JYU has strong partner networks and a high level of competence.

MAIN STRATEGIC GOAL 1

Digitally supported, multimodal and user-oriented learning and service environment

Strategic goal	Expected result
Digital solutions intensify the management, planning and assessment of education.	The data system solutions of our education enable efficient planning and management of education across units. Our digital solutions enable systematic collection and analysis of information, continuous feedback on operations and the ability to create a comprehensive overall view.
Our university has a digitally supported, multimodal and user-friendly learning and service environment that	Our digital environments streamline the everyday work of students and teachers. They intensify the planning of teaching and make the



enables easy access to studying and guidance and flexible pedagogic activities.	educational offering more diverse. Our digital services enhance students' study planning, increase the impact of guidance and improve learning results. Learning analytics and the use of artificial intelligence enhance learning and progress in studies as well as help identify obstacles and new opportunities related to the progress of studies.
Digitalisation is built into our daily learning and teaching activities as well as our research and our development. Our digital learning environments are functional, accessible and compatible. The development of digitalisation at our University supports individual, equal, community-oriented and nationally as well as internationally networked activities.	Our information systems enable the use of learning analytics in the development of education. JYU utilises widely digital platforms, big data and artificial intelligence in teaching as well as study and career guidance. JYU enables the use of international data sources and digital networks. Different forms of teaching and studying have a supported and functional environment and high-quality digital tools.
Our services, enabled by digitalisation, improve learning results and the progress of studies.	Flexible and high-quality learning environments, technology-supported guidance and digital data sources and networks support the progress of our students' studies in a systematic and goal-oriented way.
Digitalisation strengthens JYU's attractiveness as a study place.	Digitalisation solutions intensify communications and marketing that support international and national student recruitment. JYU's attractiveness as a study place is high. JYU's visibility in social media is significant and profiled for target groups.

MAIN STRATEGIC GOAL 2



JYU has a high-quality and flexible digital research environment

Strategic goal	Expected result
Digital solutions at JYU support the management of research.	Research-related administration is automated and optimised. Our digital solutions enable strategic and operative management of research. Digitalisation supports the finding of new research opportunities.
Digitalisation promotes the University's societal interaction as well as cooperation and innovation in research. Digitalisation enables the use of new channels for publication and science communications at JYU. In addition, it enables citizens to participate in the creation of research data and to utilise the results.	Science communication at JYU is supported by the digital production team and researchers' self-service tools and software. Citizens participate and use research data. Our digital solutions promote finding academic and industrial partners.
Digitalisation promotes open science and sharing of research data. The digital management of our research data enables efficient sharing and searching of data.	The development of open science and data is promoted with other universities. JYU's own open science solutions and services are functional and integrated nationally to the common systems of universities. Digital materials are in common and multidisciplinary use. The University community is able to use international scientific libraries and materials. A data identification model and a related reference system are in use. JYU utilises international standards.
Digitalisation intensifies and enhances research activities. Research at JYU is supported by world-class digital solutions. Our research groups share good digitalisation practices and solutions in their communities.	Our researchers are satisfied with their digital tools. Our digital solutions decrease the workload at different stages of the process. Our researchers have easy access to the tools and services they need. AI solutions are used to identify research topics. The perspective of augmented intelligence in science is promoted actively; users understand the opportunities and limitations of artificial intelligence.



MAIN STRATEGIC GOAL 3

Intelligent digital environments promote high-quality user experience, efficiency and agility in operations

Strategic goal	Expected result
The University's digital services increase our appeal. Administrative processes have been automated as much as possible. The University has a comprehensive repertoire of means to shift the focus of work from routines to interaction.	The University has an operating model and tools to develop digital services as well as a culture that supports them. Leaving a digital footprint is automated, invisible and effortless. Satisfaction with our available digital solutions is high and they are used extensively by the University community.
Digital services are independent of location and time but connectable to the physical environment.	The University has a uniform and developing digital service entity that offers a high-quality user experience. The entity increasingly enables working independently of time and location. Our digital service entity is connected to the physical environment and enables cost-effective use of physical facilities.
Our operating method is a combination of systematic development and agile experimentation. We develop our operations in compliance with the principles of continuous development. Our platforms support agile and learning development. Our students participate in development work.	The University has tools and processes to develop digital services as well as a culture that supports them. New development ideas and needs are actively sought and advanced by engaging the community. Our efforts in the development of digital solutions are directed to the appropriate areas. Of the staff, 50% utilises new digital opportunities and 15% participates in their development. Our development projects are managed and implemented in accordance with the plans.



	The University is a trailblazer in utilising artificial intelligence in Finland.
A cultural change in digitalisation is realised at JYU. Technology enables interaction between the University community and society.	Our competence in digitalisation is at a high level. The work of our community members and the interaction between them intensify. Ethical and data protection requirements are put into practice throughout the University. Our digital tools support participation and cooperation with stakeholders.
The Jyväskylä EduFutura institutions have common services and a common development management model.	Digital solutions support collaboration and partnership opportunities across institutional and unit borders.