



KAJAANIN
AMMATTIKORKEAKOULU
UNIVERSITY OF APPLIED SCIENCES



INTERNATIONAL RESEARCH, DEVELOPMENT AND INNOVATION SECTOR

Kajaani University of Applied Sciences is a proactive, genuinely international university with a strong regional and national profile. An international learning and development community consisting of approximately 2000 students and 230 experts operates in its own compact campus area located in Kajaani's impressive natural surroundings.

The operations and organizational structure of KUAS are based on five areas of competence.

- **Activity tourism** comprises a nationally unique combination of sports, exercise and tourism.
- **The Nursing and Healthcare** competence area is a powerful regional function supporting social and healthcare in the Kainuu Region and the development of enterprise in this area. Health enhancing sports and exercise combines competence areas of social and healthcare and activity tourism.
- **The Information Systems** competence area includes games, vehicle information systems and data center services. It also combines KUAS' business information technology and information technology expertise with the regionally and nationally significant **Center of Measurement and Information Systems Research and Training – CEMIS**.
- **Mechanical and Mining Engineering** is a recent, but rapidly developing competence area in KUAS. Mining specific studies in KUAS promote the availability of skilled foreman, expert and supervisory level employees for the mining industry and are planned in cooperation and dialogue with mining related companies in Finland. There are also future opportunities for international cooperation in teacher and student exchange. Environmental and financial issues, as well as work safety have an important role in the studies. Joint studies between Kajaani, Kemi-Tornio and Rovaniemi UAS are partially executed online.
- **The Business and Innovations** competence area is an all-encompassing function that advances the growth of business competence and enterprise capability and enables the development of appropriate project and business operations throughout the other competence areas. Simultaneously, Business and Innovations develops student-lead enterprise and development schemes at KUAS.

KUAS research, development and innovation work supports enterprises and business life locally, nationally and, on its fields of focus, also internationally. KUAS is an important actor in the regional development of the Kainuu region. In RDI we also focus on the needs of the labour-markets through higher education development projects. Most of our projects are collaborative undertakings with private companies, education institutions, governmental and non-governmental organizations and other bodies. Our RDI-budget is around 4 million euros per year including 40 person years. There are around 200 private companies collaborating with our RDI-projects.

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KUAS RDI-THEMES FOR INTERNATIONAL CO-OPERATION

BUSINESS AND INNOVATIONS

- Entrepreneurship education
- Business incubators
- Learning by doing – methods
- International marketing
- Marketing in social media
- Productizing and marketing cultural capital
- Corporate Social Responsibility

ACTIVITY TOURISM

- Wellness tourism
- Nature activities
- Wildlife tourism
- Health promotion
- Sport entrepreneurship

INFORMATION SYSTEMS

- Game development
- Vibration measurement
- Simulations laboratories
- Vehicle Information Systems: Utilizing CAN data
- Measurement System Development with Cemis partners

MECHANICAL AND MINING ENGINEERING

- Mechanical engineering
- NC Production
- Virtual production
- Maintenance
- Production leadership
- Mining technology

NURSING AND HEALTH CARE

- Patient safety
- Health promotion
- Welfare games
- Gerontological nursing

