

PEOPLE

The most important and significant factor of any institution is staff. The key persons in the research teams are associate professors and professors. From the perspective of the faculty's sustainability and development, young academic staff and doctoral students in the positions of lecturers play the crucial role as well.

IDEAS AND RESEARCH QUALITY

Scientific potential is a prerequisite for research, development and innovation. It stimulates research and development with an emphasis on the quality of results and outputs, i.e. the scientific and application potential. Interdisciplinarity and multidisciplinary in topics and research teams is a natural, inevitable and necessary requirement to meet all challenges of the 21st century. Scientific potential of the faculty is based on traditional technical disciplines on which new scientific areas are developed.

CONNECTION OF RESEARCH, DEVELOPMENT AND EDUCATION

Interconnection of various activities is the very essence of the university idea. Creative and educational activities are an integral part of work of each academic employee and a precondition for providing high-quality lecturing and teaching in accredited degree programs. Therefore, scientific research constitutes a prerequisite for effective development of study programs at the Faculty of Mechanical Engineering (FME) as well as the right of academics to educate students. The strong fact is that the faculty has accredited new study programs in all types of studies, including English accreditation. Naturally, the FME carries out some parts of study programs in the English language.

COOPERATION

The interdisciplinary approach and collaboration of scientific teams represents a logical precondition for successful scientific and research activities. Cooperation with the application sphere comprises a prerequisite and an impulse for the development of the engineering activities and social responsibility of the faculty. The challenge for the coming period is to strengthen international cooperation among research teams.

SCIENTIFIC-RESEARCH INFRASTRUCTURE

Scientific research infrastructure means the premises of laboratories and workplaces of academic staff, instrumentation and equipment of laboratories, pilot plants and information sources. The infrastructure also includes information and personnel environment supporting RDI.

FINANCIAL MEANS

Funds allocated and earned for research activities are another indicator of the nature, scope and quality of research activities. The funding of science, research and innovation represent a multi-source. The importance of available funds for research and development continues to prevail over funding for the education. Strengthening institutional support in relation to the volume of funding for research activities is a key condition for quality research activities.