

CTU SWOT analysis – Supplement 1- SELF-EVALUATION REPORT IN MODULES 4 AND 5

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<p>An established university with a long tradition, a wonderful location, and good standing. A major element in the Prague research cluster</p> <p>Strong in basic as well as applied research, experienced researchers and PhD supervisors.</p> <p>Broad coverage of technical disciplines.</p> <p>Strong ties to industry in many fields and departments.</p> <p>Established research teams able to acquire external funding (projects, contracts).</p> <p>Well-educated and skilled people able to respond to society's needs.</p> <p>A culture based on excellent individuals and subsidiarity.</p>	<p>Tradition slows down changes.</p> <p>Continuing inefficient division of labor – professors carry out teaching and research under a high administrative load.</p> <p>Inability to increase salaries at a time when an extremely hungry labour market sucks in young scientists and leaders.</p> <p>Weak cooperation with industry in some fields and in some departments.</p> <p>Low motivation (on both sides) to transfer the effective habits of excellent teams to less well-performing groups</p>
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<p>Take the lead in newly opening fields (AI, quantum communication).</p> <p>Take on new challenges to society. Attract more women into STEM fields.</p> <p>Cooperate internationally with excellent research units.</p> <p>Promote Prague as a scientific research hub</p> <p>Revitalize nuclear energy in the Czech Republic and ensure safe operation of nuclear facilities.</p> <p>Seek solutions to society's needs and challenges – e.g. COVID-19 related, the quest for carbon neutral energy sources, and novel methods of medical diagnostics and treatment.</p>	<p>Low interest in STEM subjects and careers among youngsters, an unprecedentedly low level of knowledge delivered by secondary schools.</p> <p>Research driven by evaluation metrics.</p> <p>Unstable and often changing rules of R&D funding in the Czech Republic.</p> <p>Not enough courage at government level to selectively finance the best universities.</p> <p>COVID-related: loss of skilled professors and/or other changes.</p>