

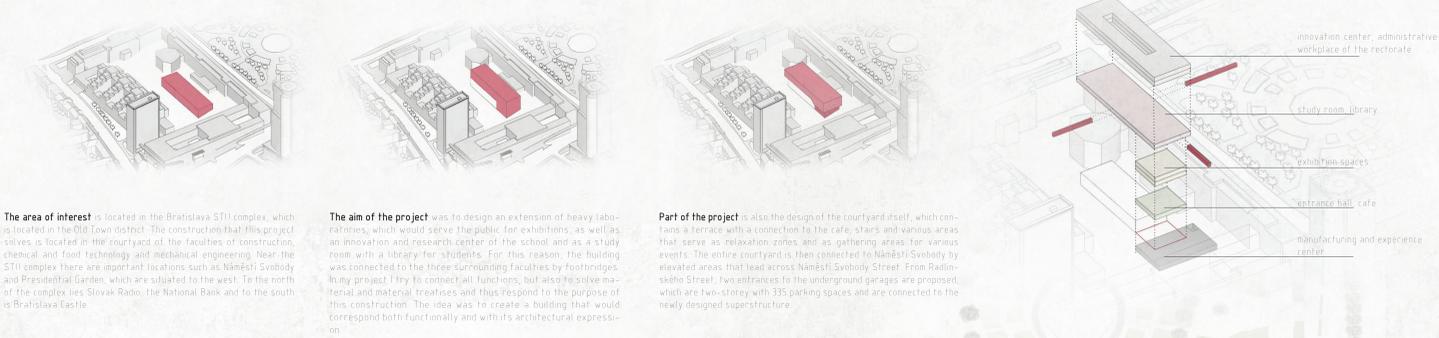


# CAMPUS STU

EXTENSION OF HEAVY LABORATORIES, AREA OF THE SLOVAK TECHNICAL UNIVERSITY, BRATISLAVA

MICHAELA ZAPLETALOVÁ

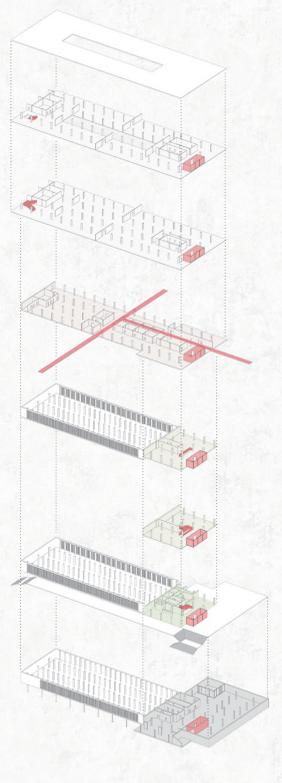
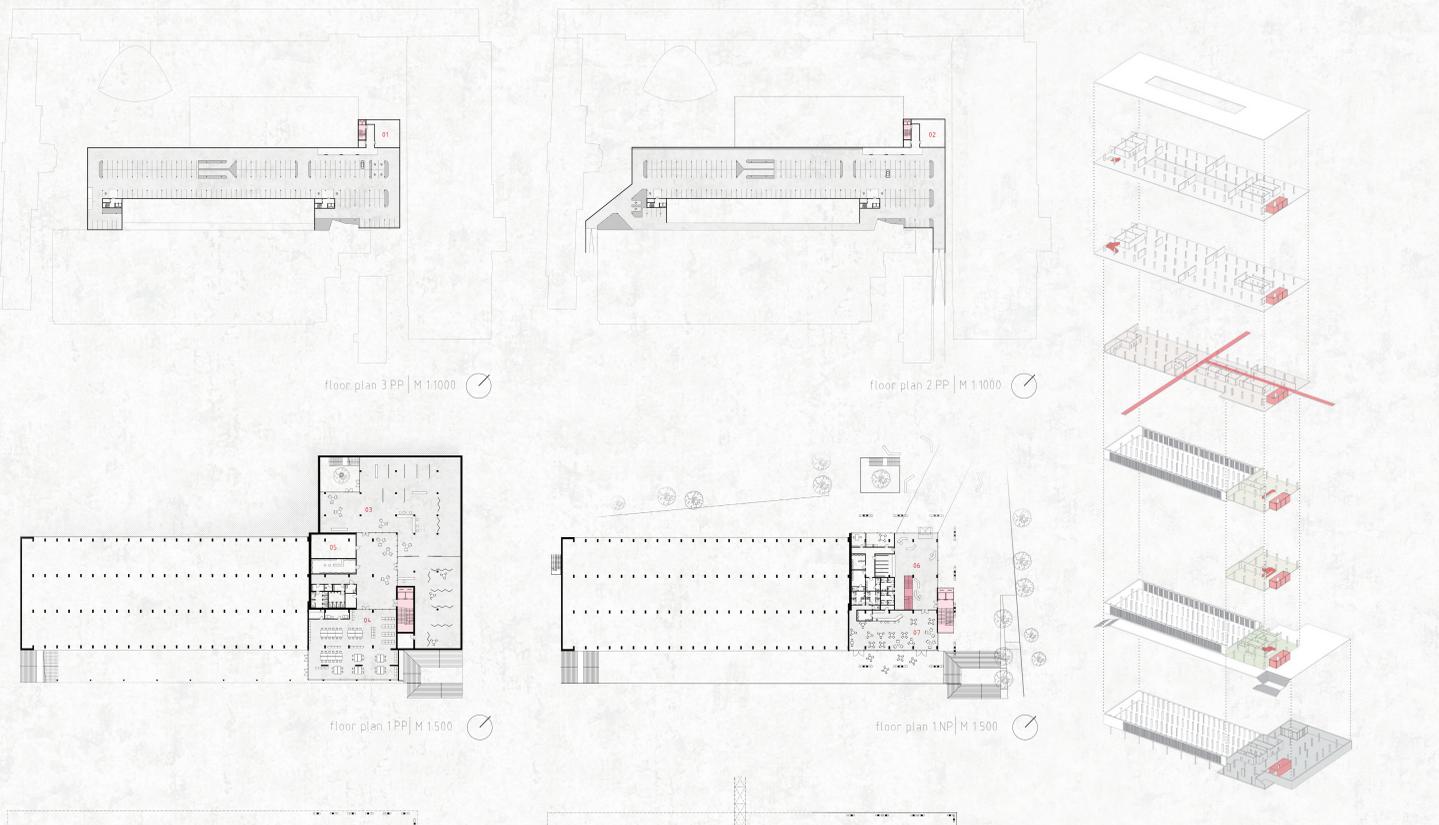
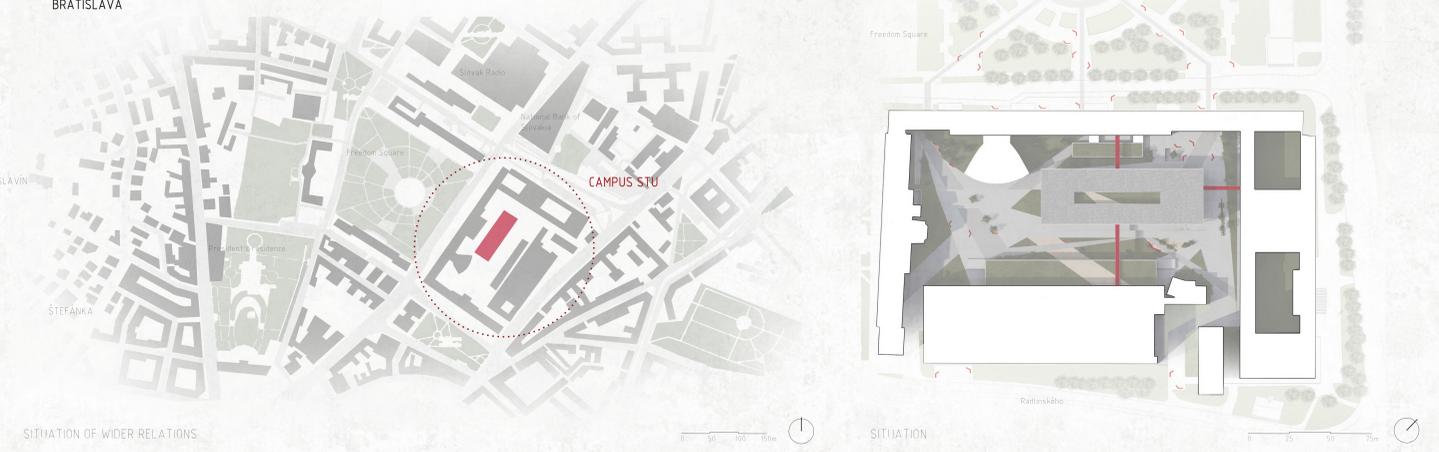
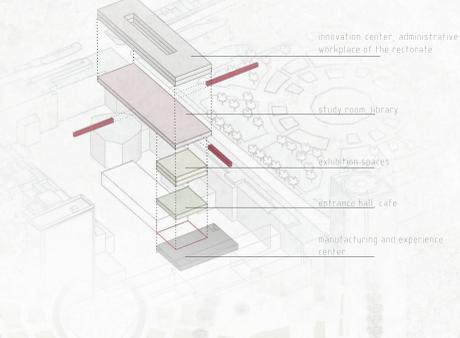
ČVIT FSV, ARCHITEKTÚRA A STAVITEĽSTVÍ  
LS 2020/2021



**The area of interest** is located in the Bratislava STU complex, which is located in the Old Town district. The construction that this project solves is located in the courtyard of the faculties of construction, chemical and food technology and mechanical engineering. Near the STU complex there are important locations, such as Námestí Svobody and Presidential Garden, which are situated to the west. To the north of the complex lies Slovak Radio, the National Bank and to the south is Bratislava Castle.

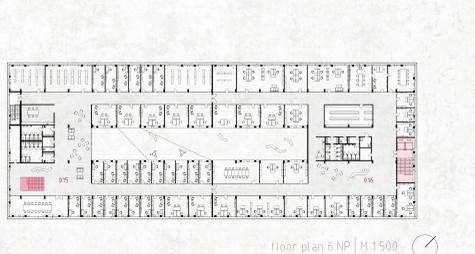
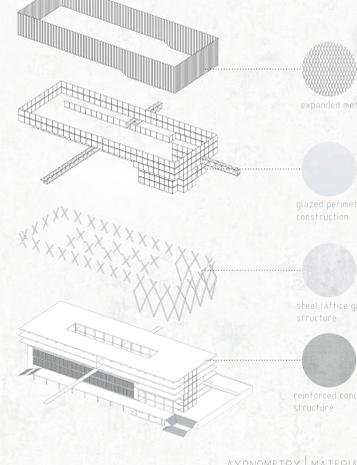
**The aim of the project** was to design an extension of heavy laboratories, which would serve the public for exhibitions, as well as an innovation and research center of the school and as a study room with a library for students. For this reason, the building was connected to the three surrounding faculties by footbridges. In my project I try to connect all functions, but also to solve material and material treasures and thus respond to the purpose of this construction. The idea was to create a building that would correspond both functionally and with its architectural expression.

**Part of the project** is also the design of the courtyard itself, which contains a terrace with a connection to the cafe, stairs and various areas that serve as relaxation zones, and as gathering areas for various events. The entire courtyard is then connected to Námestí Svobody by elevated areas, that lead across Námestí Svobody Street. From Radničné Street, two entrances to the underground garages are proposed, which are two-storey with 335 parking spaces and are connected to the newly designed superstructure.



**The load-bearing structure** of the superstructure consists of inclined steel columns and horizontal steel girders, which are admited.

**The cladding** of the building consists of a glazed perimeter structure, which is covered by a supporting structure made of white expanded metal. This overhanging structure is attached with a steel grate.



- legend of the rooms**
- 01 - technical background
  - 02 - technical background
  - 03 - science experience center
  - 04 - manufacturing center
  - 05 - stock
  - 06 - entrance hall, cloakroom
  - 07 - cafe
  - 08 - exhibition spaces
  - 09 - exhibition spaces
  - 10 - social spaces
  - 11 - study
  - 12 - library
  - 13 - multi-purpose space
  - 14 - innovation center
  - 15 - cafe
  - 16 - administrative workplace of the Rectorate

