**INTERNSHIP POSITION**

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| **Topic**  | Measurement and evaluation of thermophysical and mechanical properties of molding sand with geopolymere binders |
| **Specification/****Programme**(min. 100 words) | The project is focused on improvement of material database used by casting simulation software. Investigated material will be molding sand with geopolymere based binder. Properties like gas release, thermal expansion, gas permeability and strength of samples will be measured at ambient and elevated temperature in TUL laboratories. The project results will be summarized in the final report. |
| **Time period** | November 2024 to December 2024 |
| **Length of the traineeship - number of months** | 1 month |
| **Supervisor´s name and contact**  | Milan JelínekTechnical University of LiberecFaculty of Mechanical EngineeringDepartment of Engineering TechnologyStudentská 1402/246117 Liberecpavel.brdlík@tul.cz |
| **Administrative Contact** | Marcela Valkova, marcela.valkova@tul.cz  |
| **Documents required** | CV, Letter of motivation, Transcript of Records |