**INTERNSHIP POSITION**

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| **Topic** | **Eco-friendly Insulation Materials for Construction** |
| **Specification/**  **Programme**  (min. 100 words) | The aim of the internship is to investigate and contribute to the development of eco-friendly insulation materials for use in the construction industry. This internship will provide practical experience and research opportunities under the supervision of experts in the field of sustainable construction materials.  Description:  The internship will focus on researching and developing insulation materials that are environmentally friendly and sustainable. Participants will have the opportunity to work in a laboratory setting, participating in various stages of material development, testing, and analysis. Additionally, interns will conduct literature reviews, engage in team discussions, and potentially contribute to the design of experimental setups.  Tasks:   * Conduct literature reviews to understand the current state of eco-friendly insulation materials in the construction industry. * Assist in formulating and developing insulation materials using sustainable and renewable resources. * Participate in laboratory experiments to test the thermal conductivity, mechanical properties, and environmental impact of developed materials. * Analyze experimental data and assist in preparing reports summarizing findings and recommendations. * Collaborate with team members to generate ideas, solve problems, and propose improvements to materials and processes.   Requirements:   * Interest in sustainable construction materials and environmental conservation. * Analytical and problem-solving skills. * Ability to work independently as well as in a team.   Location:  The internship will take place at the Geopolymer Composites Laboratory (FS KMT).  Benefits:   * Gain practical experience in developing eco-friendly construction materials. * Contribute to research on sustainable construction practices. * Opportunity to work alongside experienced researchers and specialists in the field. * Development of technical and research skills applicable to future academic studies or professional careers. * Potential for publication or presentation of research findings at scientific conferences or in scientific journals. |
| **Time period** |  |
| **Length of the traineeship - number of months** | The duration of the internship can be flexibly adjusted, typically ranging from 2 to 6 months, depending on agreements between the participant and the organizing institution. |
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| **Documents required** | CV, Letter of motivation, Transcript of Records |