

RESEARCH PROPOSAL

- As Mentioned earlier, most of the published research on geopolymers studied the behaviour of pastes with various types of sources materials. The present study deals with the manufacture of low calcium fly ash based geopolymer concrete, the parameters influencing the mixture proportioning, and the short- term engineering properties in the fresh and hardened states. The research reported in this thesis is the first stage of a research project on fly ash – based geopolymer concrete currently in progress in the faculty of engineering and computing at kalasalingam academy of research & technology.

The aim of the research are:

- To develop a mixture proportioning process of making fly-ash based geopolymer concrete.
- To identify and study the effect of salient parameters that affects the properties of fly- ash based geopolymer concrete.
- To study the short- term engineering properties of fresh and hardened fly-ash based geopolymer concrete.