ABSTRACT

The production of ordinary Portland cement and Portland pozzalonic cement is growing at the faster rate due to the infrastructure development in the world. The production of different cement requires lotof energy and of fuel which leads to emissions of various gases such as carbon-di-oxide. It is the major component for producing global warming and greenhouse effect. So there is a need to introduce a new type of product that should reduce the structural and durability with re- pulped paper. Geo-polymer is actually manufactured by reusing and recycling of industrial solid wastes and by-product. In geo-polymer mortar preparation. We use fly ash ground granulated blast furnace slag to gain the properties of cement and use chemicals to reduce the water demand. We will do the geo polymer mortar cube for 6 proportions and it will be cured at ambient temperature and is to be tested in 7, 14, 28 days. The test is to be conducted are material test, massdensity, compressive strength, flexural strength. This project will deal with the various mechanical properties of geo polymer mortar with re- pulped paper of various mixing proportions.