

An Analytical Research on Study and Conceptual Analysis of Nanomaterial and Properties of Coarse and Fine Grained Soil

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Abstract: *The paper investigates the impact of nanomaterials on the properties of coarse and fine-grained soils. Nanomaterials, due to their ultra-small particle size and unique surface properties, offer significant potential in improving soil stability, permeability, and mechanical strength. This study aims to analyze the behavior of coarse and fine-grained soils when treated with nanomaterials such as nano-silica, carbon nanotubes (CNTs), and nano-clays.*

Keywords: CNT, COARSE, Tensile, Flexural Strengths, SOIL, Intense Pressure