

## NANOBOTZ IN CANCER DETECTION & TREATMENT

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### ABSTRACT

According to World Health Organization, today cancer is a leading cause of death. There are two commonly used treatments for cancer, radiotherapy and chemotherapy. There are many side effects of these cancer treatments. With the help of Nanorobots we can completely cure cancer without any side effects. In the past few decades many research scientists have tried to develop lot many alternatives to chemotherapy and also the varieties of the actuators, energy supply to the mini drones. But the nanoscience and the nanotechnology research has come up with an excellent idea of using the nano robots that uses the bodily heat and chemicals as their fuel and based on the cadherin signal they kill the tumor ceels . thus it is a revolution in terms of medicinal field and an alternative to the chemo and radio therapy to cure the cancer cells. It is demonstrated how nanotechnology can help solve one of the most deadly and the challenging problem without any pain or further mutagenic side effects.

**KEYWORDS:** Cancer, Diamondoid, Folate Receptor, Hyperthermia Method, Nanoparticle, Melanoma, Nanocrystal, Nanobiotechnology, Nanotechnology, Quantum Dot