

# Analysis of Localization Methods using Wireless Sensor Networks

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**Abstract:** *Wireless Sensor Network is a type of wireless network which consists of a collection of tiny device called sensor node. Wireless Sensor Network is one of the rapidly developing areas. Applications of Wireless Sensor Network includes remote environmental monitoring, target tracking, etc. Various algorithms are proposed in 2D for location tracking which provides accuracy but in the real world, we require all the three planes for correct estimation and more accuracy in localization. The 2D works on flat terrain but we need to position WSN in harsh terrain also, so we need an algorithm in 3D that provide better accuracy and decrease the error of estimation and provide a real world view also. The goal of our survey is to present the localization techniques of node.*

**Keywords:** Localization Techniques, Wireless Sensor Network, centralized, range, anchor, distributed

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