

# Monitoring of Water Requirement of GGSF Campus

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**Abstract:** *Freshwater is indispensable for sustaining a healthy and functional educational environment. This project delves into the intricate dynamics of water requirements at our institute, simultaneously instituting a robust water quality monitoring program. Our analysis encompasses the comprehensive assessment of daily water needs for Number students and staff, considering crucial facets such as drinking, sanitation, and landscaping. This meticulous evaluation establishes a foundational benchmark for comprehending the existing water consumption patterns prevalent within the institute.*

*Additionally, we implement a sophisticated water quality monitoring regime that scrutinizes water from diverse sources like taps and fountains. Parameters of paramount importance including pH levels, chlorine concentrations, and water hardness are meticulously tracked to ensure strict adherence to prevailing water quality standards. By amalgamating data concerning existing water usage and quality, the overarching goal of this project is to optimize water conservation practices while simultaneously guaranteeing the provision of safe and potable drinking water for the entire school community.*

*The profound insights garnered through this multifaceted project will serve as a blueprint for formulating and recommending sustainable water management strategies intricately tailored to suit the unique and specific needs of our Institute (Guru Gobind Singh Foundation Campus)..*

**Keywords:** Water requirements, Water quality monitoring, Daily water needs, Water consumption patterns, Water quality standards, Water conservation practices

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