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A review of affordable Mass Housing of G+3 Building using Sustainability Approach in  
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# A Review of Affordable Mass Housing of G+3 Building using Sustainability Approach

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**Abstract:** With an emphasis on environmentally friendly methods, this research study provides an in-depth examination of current trends and approaches in low-cost mass dwelling. The severity of the reasonably priced housing shortage and the need for long-term remedies are made plain in the research. The papers that have been printed in renowned magazines are also considered when performing a thorough investigation. When designing G+3 building projects, eco-friendly practises such appropriate air movement, utilising natural daylight, rainwater collecting, and energy-saving inventions are carefully considered. The study includes a thorough evaluation of the current situation about inexpensive mass housing projects as well as an analysis of the strengths and weaknesses that exist in this area. The paper provides suggestions and a sneak peek at planned low-cost housing complexes to hasten the adoption of sustainable construction techniques. This study contributes to the field of constructions and aids in understanding strategic planning, location choice, material choice, probable problems, quantitative evaluation, cost forecasting, and design methodology.

**Keywords—** Affordable housing, Sustainable approach, Mass housing, Eco-friendly materials, Cost-effectiveness

## I. INTRODUCTION

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Emerging nations in Asia, Africa, and Latin America face challenges of poverty, population growth, and a lack of affordable housing. With an estimated 66% of the world's population becoming urbanized by 2050, there is a need for eco-friendly and affordable building solutions. G+3 structures are a common design for mass housing, but they often waste energy and harm the environment. This research aims to show that G+3 structures can be both environmentally friendly and affordable using sustainability methods such as green roofs, solar power, rainwater collection, and energy-saving equipment. The goal is to provide a large population with pleasant and affordable living quarters while having as little impact on the environment as possible.