



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Shirgaon, Post: Virar (w), Tal: Vasai, Dist: Palghar – 401 305.
CIVIL ENGINEERING DEPARTMENT

Report on Guest Lecture by Mr. Vivek Bhalchandra Mamdapur on Repairs and Rehabilitation of Heritage Structures

Date: 28th March, 2023.(Tuesday)

Venue: Seminar hall(4th floor, Main Building),

Viva Institute Of Technology, Shirgaon, Virar

Presenter: Mr. Vivek Bhalchandra Mamdapur. {Master of Industrial Engineering & Database, LLB, M-tech Structural Engineering, BE Civil Engineering. }

Introduction

The guest lecture on "Repairs and Rehabilitation of Heritage Structures" was conducted on [insert date] at [insert venue]. The event aimed to provide valuable insights and knowledge about the preservation, restoration, and maintenance of heritage structures. The esteemed speaker, Mr. Vivek Bhalchandra Mamdapur, an expert in the field of heritage conservation, shared his extensive experience and expertise during the lecture.

Summary of the Lecture

Mr. Mamdapur began his lecture by emphasizing the significance of preserving heritage structures. He highlighted the rich cultural and historical value these structures hold and stressed the importance of safeguarding them for future generations. He discussed the various challenges faced in the repairs and rehabilitation of heritage structures and provided practical solutions and strategies.

Understanding Heritage Structures: The speaker emphasized the need to understand the unique characteristics and construction techniques of heritage structures. By studying their architectural styles, materials used, and historical context, one can develop a comprehensive understanding of the structure's significance and devise appropriate repair and rehabilitation plans.

Condition Assessment and Documentation: Mr. Mamdapur highlighted the importance of conducting thorough condition assessments of heritage structures. This involves assessing structural integrity, identifying decay, deterioration, and vulnerability. He stressed the significance of proper documentation through detailed surveys, photography, and mapping to create a baseline for future repairs and rehabilitation works.

Conservation Approaches and Techniques: The speaker discussed different conservation approaches and techniques for repairing and rehabilitating heritage structures. He explained the principles of conservation, including minimal intervention, reversibility, and compatibility of materials. Mr. Mamdapur elaborated on various repair methods such as stabilization,



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Material Selection and Traditional Techniques: One of the key aspects of heritage structure rehabilitation is the selection of appropriate materials and traditional techniques. Mr. Mamdapur discussed the importance of using compatible materials to ensure structural integrity and authenticity. He highlighted the benefits of utilizing traditional techniques and craftsmanship to retain the original character and aesthetic of the heritage structure.

Sustainable and Innovative Practices: The lecture also emphasized the significance of incorporating sustainable and innovative practices in the repairs and rehabilitation of heritage structures. Mr. Mamdapur discussed the integration of renewable energy systems, rainwater harvesting, and eco-friendly materials to minimize the environmental impact and enhance the longevity of the structures.

Community Engagement and Stakeholder Collaboration: In the final segment of his lecture, Mr. Mamdapur emphasized the importance of community engagement and stakeholder collaboration in the preservation of heritage structures. He highlighted the need for creating awareness, involving local communities, and fostering partnerships with relevant organizations, government agencies, and professionals to ensure the long-term sustainability of heritage conservation efforts.

Conclusion

The guest lecture by Mr. Vivek Bhalchandra Mamdapur on "Repairs and Rehabilitation of Heritage Structures" was highly informative and engaging. Attendees gained valuable insights into the preservation, restoration, and maintenance of heritage structures. Mr. Mamdapur's expertise and practical examples provided a comprehensive understanding of the challenges and strategies involved in repairs and rehabilitation. The lecture emphasized the need for a multidisciplinary approach, community involvement, and sustainable practices in heritage conservation efforts. Overall, the event successfully highlighted the significance of preserving our rich cultural heritage for future generations.