IJARSCT



International Journal of Advanced Research in Science, Communication and Technology

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Impact Factor: 7.67

Volume 5, Issue 3, November 2025

Pedestrian Suspension Bridge

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Abstract: A suspension pedestrian bridge, where the deck is hung below suspension cables on vertical suspenders, is proposed as an economical and sustainable solution to rural isolation. This project aims to design a 42-meter-long suspension bridge across the Karamana River at Aryanadu, Trivandrum, to provide a convenient pathway for villagers. The design was executed using AutoCAD for layout and STAAD.Pro for 3D structural analysis and design.

Keywords: suspension pedestrian bridge



DOI: 10.48175/568



