

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*

