Mission Statement
Our mission is to build a sustainable kindergarten for a remote village on the island of Taveuni, Fiji. Our replicable and affordable design aims to not only provide early education but also inspire the community to adopt the same safer building techniques when rebuilding their own homes while aiming at completing detailed construction manuals to make it easy to replicate this design and to construct many other schools.

Partners
Our partner is the Loloma Foundation, a Southern California non-profit organization that offers medical, dental, and infrastructural support to rural communities in the South Pacific. We are also working with the Taveuni Rotary club. The Rotary club has built several schools on the island and has helped provide guidance in designing and choosing the pilot site.

Design/Analysis
The Design team focuses on coming up with a material list for the structure. The team will be divided into two groups. The first of the sub-teams will be focusing on the foundation to help increase the stability of the structure. The second sub-team will work on the analysis of the materials that is going to be used for the structure. After finalizing the material and the design, the team is planning to build a small scale prototype of the design to test its stability and durability as well as making sure that it flows with the design of other structures on the site and has good aesthetics.

Construction Manual
The Construction Manual team is tasked with the creation of a manual to be used to guide the construction of the final design of the Fiji Kindergarten. The team plans to create an illustration-heavy manual that demonstrates how to construct the building in the simplest manner possible. Utilizing the SOLIDWORKS Drawings interface, the team will use exploded views and other CAD design techniques to map out each step plainly.

Social Innovation
The Social Innovation team focuses on turning the kindergarten project into a sustainable enterprise. The team is divided into two group. The first group will focus on improving on the existing Fiji Kare business proposal. The second group will focus on beginning a fundraising platform with the use of social media. Our quarter’s goal is to obtain funding through competing in the USD competition and presenting our business proposal to rotary clubs, corporations, and foundations.

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