**LAGI 2025 Fiji Narrative Template
Concept Narrative**

The Eye of Fiji - that’s how we named our project. It’s not only about the form, it could be the place where everybody can meet and organize any kind of event. Last, but not least the view can be an impressive sight.

We decided that a central floor plan would be the most ideal form for a small community like this. Where people know each other, they would like to use a space where they can gather and spend time together. We wanted to avoid cutting down trees, so the form fits into the environment. It consists of two parts, the road cuts it into a space for the community and another for the tourists mostly. We also considered the need to create a useful space for tourists. This installation can be used by both groups.

1. **Technical Narrative**

The need for installing solar panels and collecting water made an impact on the design process as well. We wanted a structure to be sustainable, light and friendly. We chose bamboo for the main structural elements, the roof could be metal sheets, as for the foundation we decided on ground screws. All these materials are easy to manufacture, ship and construct. The spooler panels can be installed on the roof, the angle of the roof is optimal for it. We followed the answer in the Q&A, which said 400 square meters of solar panels should be enough for the design. Our installation generates approximately 86,000 kWh of electricity per year using solar panels installed on 300 square meters of roof. It also collects up to 750,000 liters of rainwater annually, which is treated and stored for use in drinking, sanitation, and facility operations. The system inputs are sunlight, rainfall, and human activity, while its outputs are electricity, treated water and organic waste. These resources support key functions such as the Kava bar, museum, water treatment area, and tourist facilities.

1. **Prototyping and Pilot Implementation Statement**

The whole system is designed to be modular, so it can be built in different shapes and forms, depending on how many modules are used. The construction of the modules is easy and fast, so the local community can help with the building process.

1. **Operations and Maintenance Statement**

The design will be operated using simple, low-maintenance systems like solar panels and rainwater harvesting. Local community members will be trained to handle regular tasks such as cleaning panels, checking filters, and managing basic repairs. Because the structure is modular and easy to assemble, the community can also assist in construction and future adjustments. This involvement ensures long-term sustainability through local knowledge and participation.

1. **Environmental Impact Assessment**

We used earth screw foundation and bamboo structure (which can be sourced localy), so that the buildings impact would be minimal.