**Proposal for Hiring Interns:**

This proposal aims to hire two interns to work on the following problem statements:

1. **Webification of the Standalone Tool NOAH's Arch:** Transforming NOAH's Arch into a web-based application to enhance accessibility, collaboration, and usability.
2. **Automatic and Real Deployment of Cloud Architecture:** Implementing a solution that automates the deployment of cloud architectures created in NOAH's Arch directly to cloud platforms like AWS, Azure, or GCP.

**Problem Statement 1: Webification of NOAH's Arch**

**Current Challenges with Standalone Deployment**

* Limited accessibility as the tool can only be used on systems where it is installed.
* Lack of collaborative features and remote access.
* Dependency on system specifications leads to inconsistent performance.

**Benefits of Webification**

* Increased accessibility and usability for remote teams.
* Reduced maintenance and simplified deployment.
* Scalable architecture for future growth.
* Improved user experience with modern web UI/UX.

**Problem Statement 2: Automatic and Real Deployment of Cloud Architecture**

**Current Challenges**

* Lack of automation leads to inconsistent deployments.
* It is difficult to replicate cloud environments across different platforms.

**Benefits of Automated Deployment (Extra Feature addition in NOAHs Arch)**

* Faster and error-free cloud infrastructure deployment.
* Reduced dependency on cloud engineers for routine tasks.
* Improved resource utilization and cost optimization.

**Resource Requirements**

* **2 Interns:** One for full stack development for webification, and one for automation of cloud deployment of architecture designed in tool.