Computing Future Phase 2

Pre-Session Preparation Guidelines

This document is prepared for **Phase 2 of "Computing Future"**, an advanced session focused on **microservices**, **web hosting**, and **integrating machine learning with web applications**. To ensure a smooth learning experience, please complete the following steps beforehand.

1. Install Required Tools

- **Node.js**: Install the latest version of Node.js and npm.
- **Docker**: Install Docker Desktop and create a Docker Hub account.
- **Jenkins**: Download and set up Jenkins on your system.
- **Git**: Ensure Git is installed and create a GitHub account if you don't have one.
- **AWS Account**: Sign up for an AWS account using your university email address.

2. Setup and Test

- Verify that all the installed tools are functioning correctly.
- Familiarize yourself with the AWS console and CLI setup.

3. Recommended Resources

- **Docker Basics**: [Docker Tutorial for Beginners (Sinhala)](#)
- **CI/CD Concepts**: [CI/CD Pipeline (Sinhala)](#)
- **AWS EC2 Deployment**: [Node.js REST API Deployment on AWS EC2](#)
- **Jenkins Introduction**: [Jenkins Basics](#)

By following these guidelines, you'll be better prepared to gain maximum value from the session. We look forward to your active participation!