# PIAIC

## Presidential Initiative for Artificial Intelligence and Computing

Presidential Initiative for Artificial Intelligence and Computing (PIAIC) is a privately funded not-for-profit educational initiative started by President of pakistan, Dr Arif Alvi, and Zia Khan to help promote education, research and business opportunities in emerging tech fields like

- Cloud Native Computing
- Atificial Intelligence
- BlockChain Computing
- Internet Of Things

# Cloud Native Computing:

The Cloud Native Computing Program prepares the students to program in open source technologies like, **linux, Docker, Kubernetes, JavaScript, Node.js, React, React Native**while introducing the students to development of Microservices and softwares development techniques on cloud platforms like AWS.

# Artificial Intelligence

The artificial Intelligence program of PIAIC takes the student through the foundation of the AI technology, via teaching programming in open source languages like, **Python, Numpy, Pandas,TenserFlow 2.0, and Flask**and teaching deploying practical AI solucion and use cases and ending with real life examples of modern day AI in practice

# BlockChain Computing

The main Emphasis of **BlockChain** program is to understand the blockchain like **Ethereum and Hyperledger (Fabrics)** and learn to program in language such as solidity, JavaScript, framworks like node.js. The program also introduce them to development of Distributed Apps,(DApps) framwordslike web3, and truffle and an in-depth understanding of blockchain-as-a-service (BaaS), and how to develop and offer an initial coin offer (ICO)of a crypto-token

# Internet of Things

the Internet of things program introduce the students to open source development technologies like **Rust, Embedded Rush, WebAssembly, Hyper, Diesel, Google Assistant, and Kubernetes,** while making them efficient in developing Micro Services for IoT Edge, IoT Cloud, and voice Computing for device control

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