



# Presidential Initiative on Artificial Intelligence (PIAI)



National program On War Footing for Naya Pakistan

## Strategic Partners



I believe that artificial  
intelligence represents  
the greatest opportunity  
in human history.

**KAI-FU LEE**

CEO of Sinovation Ventures





AI is probably the most  
important thing humanity  
has ever worked on.

Sundar Pichai

CEO of Google



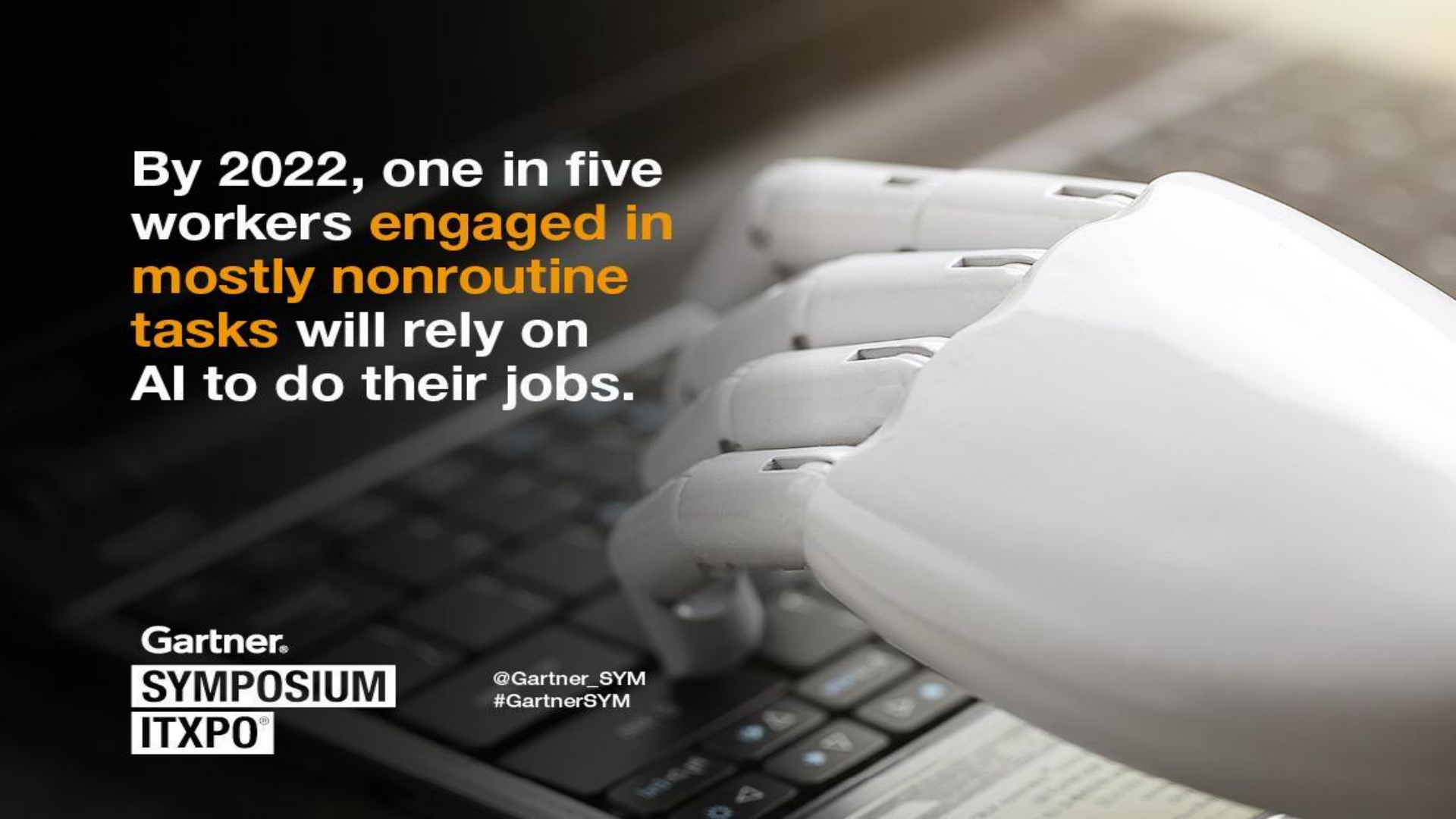


**In 2020, AI becomes a positive net job motivator, creating **2.3 million jobs** while only eliminating 1.8 million jobs.**

How IT Leaders Can Prepare for the Future of Work

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Smarter With **Gartner®**

A close-up, shallow depth-of-field photograph of a white, sleek robotic hand positioned over a laptop keyboard. The hand is in the process of typing, with its fingers slightly curved. The background is blurred, showing more of the keyboard and the laptop's surface. The lighting is soft, highlighting the smooth texture of the robot's skin.

By 2022, one in five  
workers **engaged in  
mostly nonroutine  
tasks** will rely on  
AI to do their jobs.

Gartner.

**SYMPOSIUM**

**ITXPO®**

@Gartner\_SYM  
#GartnerSYM

In the next 10 years, 50% of the jobs  
in the world will be replaced by AI.

**We are not prepared for this.**

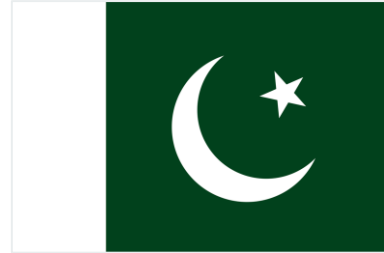
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## Technology Export



137 Billion USD



1 Billion USD



# Naya Pakistan Artificial Intelligence Mobilization (NP AIM)

**A Proposal to train 100,000  
students in AI Technology.**

# Entrance Test of a Million Students Across Pakistan





## Specialist Programs

- Artificial Intelligence Specialist
  - Computing with Linux and Bash
  - Cloud Native Computing
  - Programming with Python
  - Data Science Essentials
  - Linear Algebra & Statistics
  - Deep Learning
  - Neural Networks
  - AI Microservices
- Internet of Things (IoT) Specialist
- Blockchain Specialist
- Entrepreneurship and Startup Specialist



# AI Specialist - Introduction

We designed the program to train world class software developers to earn up to \$10,000 USD per month.

- State of the Art - focus on emerging tech
- Validated Learning - collect feedback by testing to measure student performance
- Practical - Bootcamps designed to train the best developers

Tailored teaching and testing methodology delivered by industry professionals.



**ARTIFICIAL  
INTELLIGENCE (AI)  
DEVELOPER**

# Artificial Intelligence Specialist

## AI MODULE 1

Deep Learning  
with Python



72 Hours

## AI MODULE 2

AI in Practice  
And Microservices



72 Hours

## 10K AI BOOTCAMP

Practical Work  
Employment Prep





## What Problems Does It Solve?

1. Produce software developers capable of delivering technology solutions
2. Prepare early career professionals for a technology focused role
3. Diversify skill sets & enhance employability
4. Train individuals without a technology background





## Panacloud - Statistics

- Operation Badar: Transforming Pakistan since 1999
- Most advanced technology company in Pakistan
- 100,000+ participants since 1999
  - Technology
  - Finance
- Throughout Pakistan
- 25+ partners over the years



# Transform.

This program will transform the province and the country via the young and eager Pakistani generation equipped with skills in Artificial Intelligence technology.

This program will produce results needed to generate the export revenue necessary to defeat the trade deficit.



# 10,000 Pakistani AI Developers

Get Pakistan ready for a new era of computing enabled by the rise of Artificial Intelligence

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