Unleashing Generative AI: Empowering People for Innovation and Impact

Welcome to a journey of innovation and possibility. Let's explore how your new Generative AI skills can revolutionize industries, spark entrepreneurship, and solve global challenges to drive export.

by Mohammad Anwar Khan
Founder & President
Pak Angels, Silicon Valley, CA

Inaugural Training Session: Module 1 Agenda

- Quran Recitation
- What Is Generative AI?
- Gen AI Training Overview
- Why Generative AI?
  - Waqas Khan, Chairman of the Board, ULEFUSA
  - Iqbal Shaikh, CEO, APTECH
  - Zafar Shahid, Ph.D., CEO, iCodeGuru
  - Hassan Syed, CEO, Aspire Pakistan

- Generative AI & Opportunities

- Gen AI Powered Chatbots

What is Generative AI?

- Generative AI refers to systems that create new content based on data inputs and AI-driven models to generate:

    - Text, Images, Music, Videos, Language Translations

    - Code, Data Visualizations, Complex Problem Solution

    - Designs, 3D models, Animations

- Allows to:

    - Mimic human-like creativity, and more

    - Automate content creation

    - Use 100's of thousands of pre-trained models available online
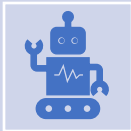
    - Covers all disciplines and industries

Generative AI: A WEALTH GENERATION Opportunity

- **$1.3 Trillion Market Value** by 2032: The global Generative AI market is projected to reach **$1.3 trillion USD**.

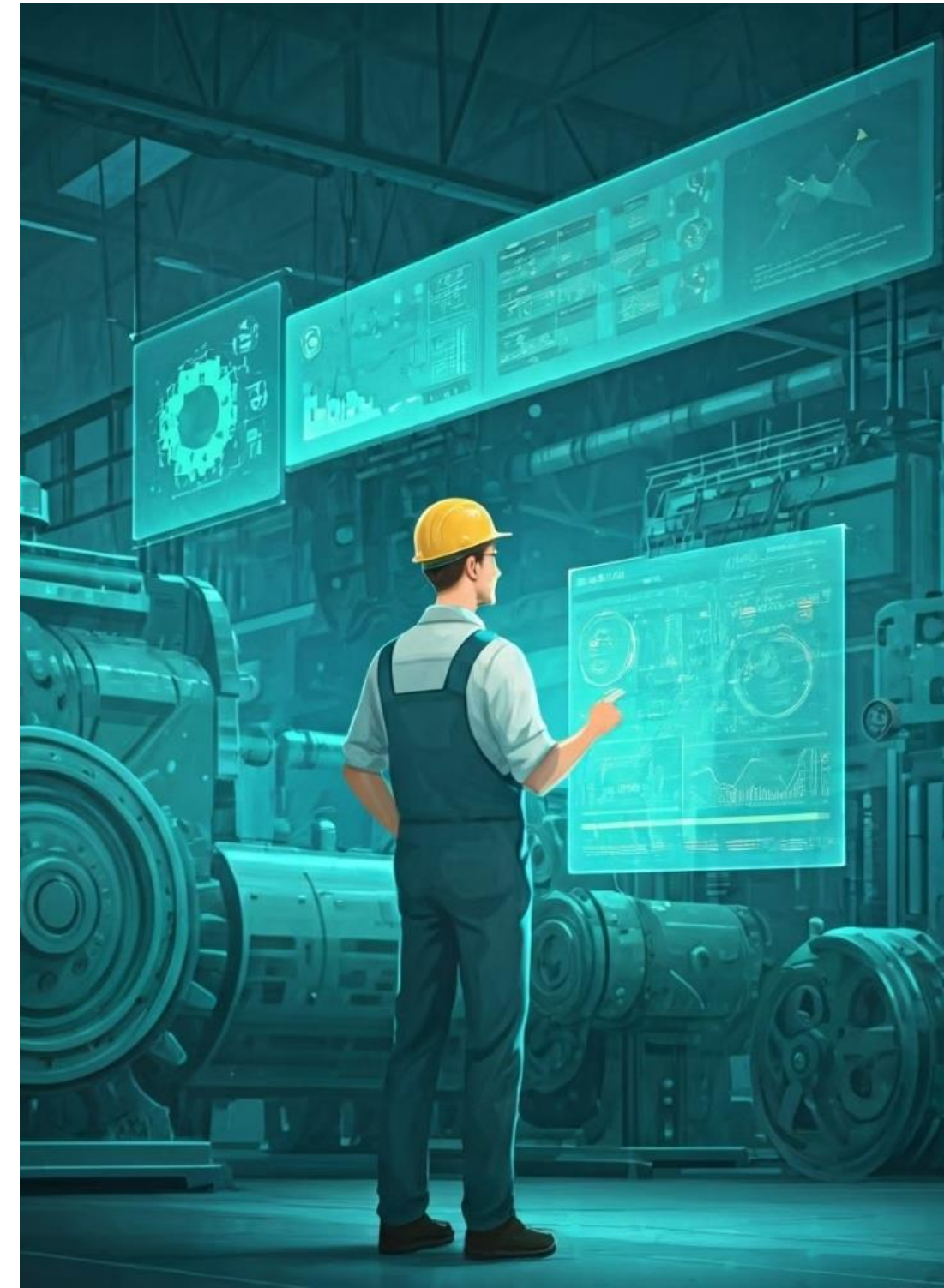- **40% of Tasks Automated**: By 2030, **40% of business processes** will integrate AI-based automation.

- **$4.4 Trillion Annual Productivity Boost**: By 2040, AI could contribute **$4.4 trillion** to the global economy annually by improving efficiencies.

- **70% of Companies Will Use AI Models**: By 2028, majority of businesses will adopt **AI-powered solutions** to stay competitive.

We just need to make ourselves SKILLED in Generative AI Application Development!

GenAI Training Jan-Feb 2025: Overview

Purpose: Learning GenAI skills to solve real-world problems efficiently & quickly

1
Introduction to GenAI and its concepts
Online lectures delivered by subject matter experts
No programming or coding experience required

2
Essential concepts and applications of GenAI in various fields
LLMs, Model Training, datasets, RAG, tuning & training, hosting
Introduction to the responsible use of GenAI

3
Developing GenAI applications using pre-trained models & ChatGPT
Hands-on exercises and practice sessions with leading GenAI tools
5 online quizzes and 1 Grand Quiz

4
Training-hackathon to foster team collaboration and problem-solving
Successful participants will be awarded a certificate featuring a digital
mark from ULEFUSA

5
Certified UET Lahore Students qualify for the ULEFUSA GenAI Hackathon
with prizes totaling $10,000 awarded

PAKANGELS iCode Guru ASPIRE PAKISTAN

Welcome Participants!

1 **Learning AI Skills**

Enhance efficiency, creativity, and competitiveness

2 **Entrepreneurial Opportunities**

Explore SaaS services

3 **Social Impact**

Solve healthcare and social problems

4 **Freelance Services**

Offer AI expertise globally

The Ripple Effect of Your AI Skills

Economic Growth
- Boost Pakistan's GDP through exports & innovation

Job Creation
- Generate new roles in AI development and related industries.

Global Reach
- Put Pakistan on the map as a hub for AI talent and competitive solutions.

Embrace the Future of AI Innovation

Continuous Learning

Stay updated with the latest AI developments and techniques.
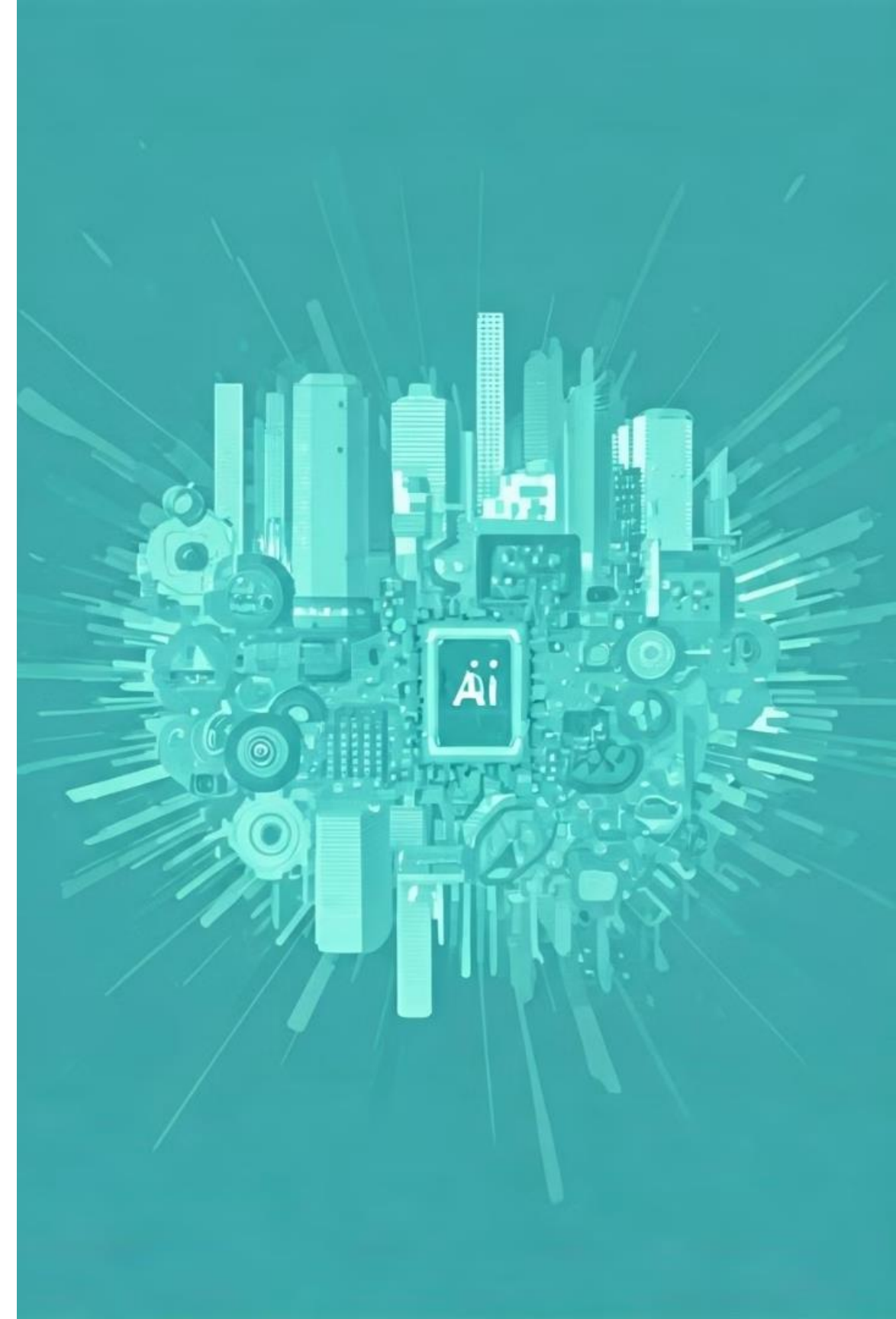
Collaborate

Join AI communities and participate in open-source projects.

Ethical Considerations

Prioritize responsible AI development and usage in all endeavors.

Think Big

Your AI skills have the power to transform industries and lives.

Revolutionizing Workplace Efficiency

Automate Repetitive Tasks

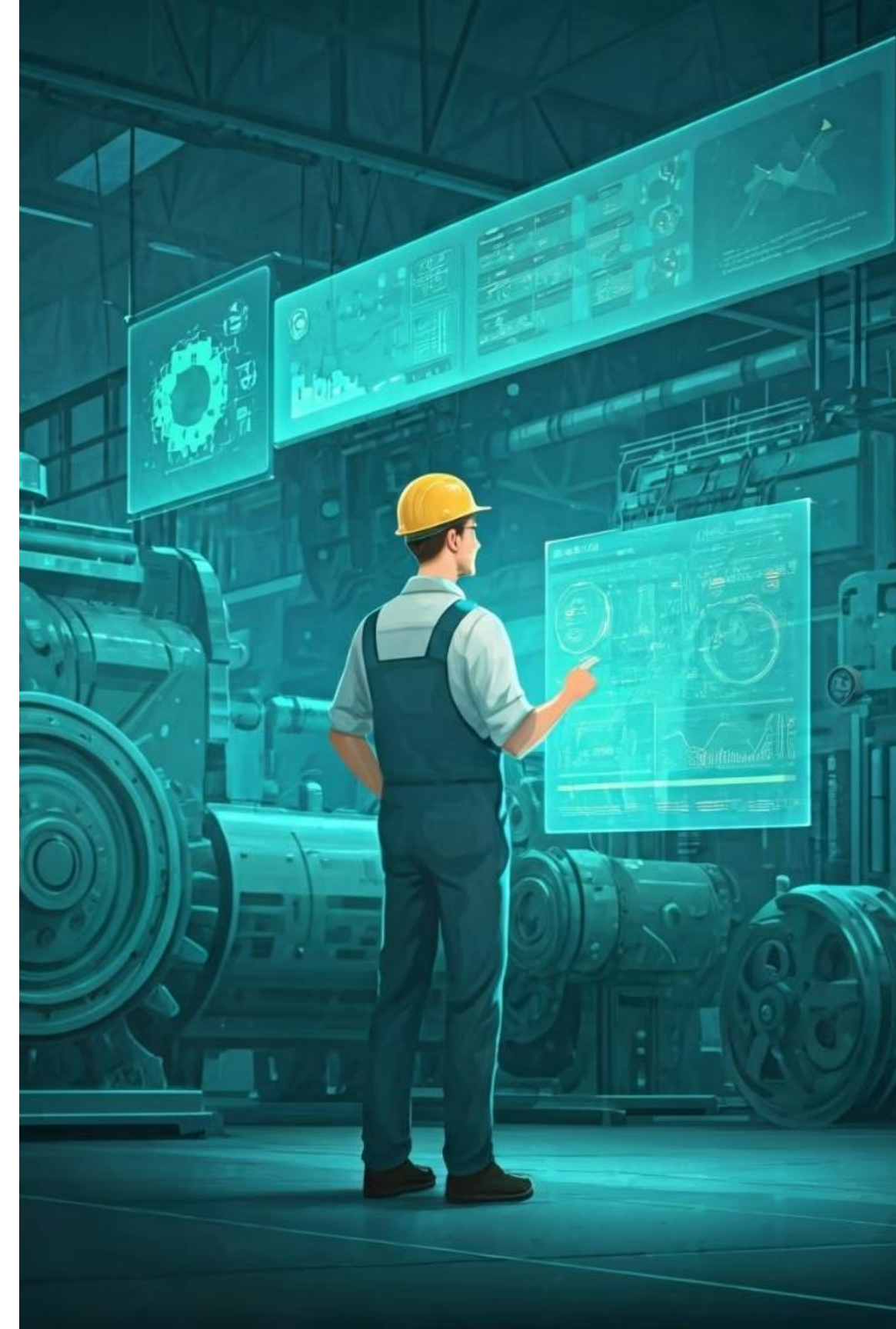Implement AI-driven code generation and documentation tools to boost productivity.

Enhance Decision Making Making

Utilize predictive analytics for data-driven insights and strategic planning, e.g., demand forecasting, price optimization,...

Streamline Communication

Develop AI chatbots for efficient internal and customer support processes, e.g., Chatbot for your Industry Codes

www.Linkedin.com/company/pakangels

Helping Your Company to Grow

1	2

Boost Competitiveness

Develop innovative products and services using Generative AI capabilities. Address both local and global markets.
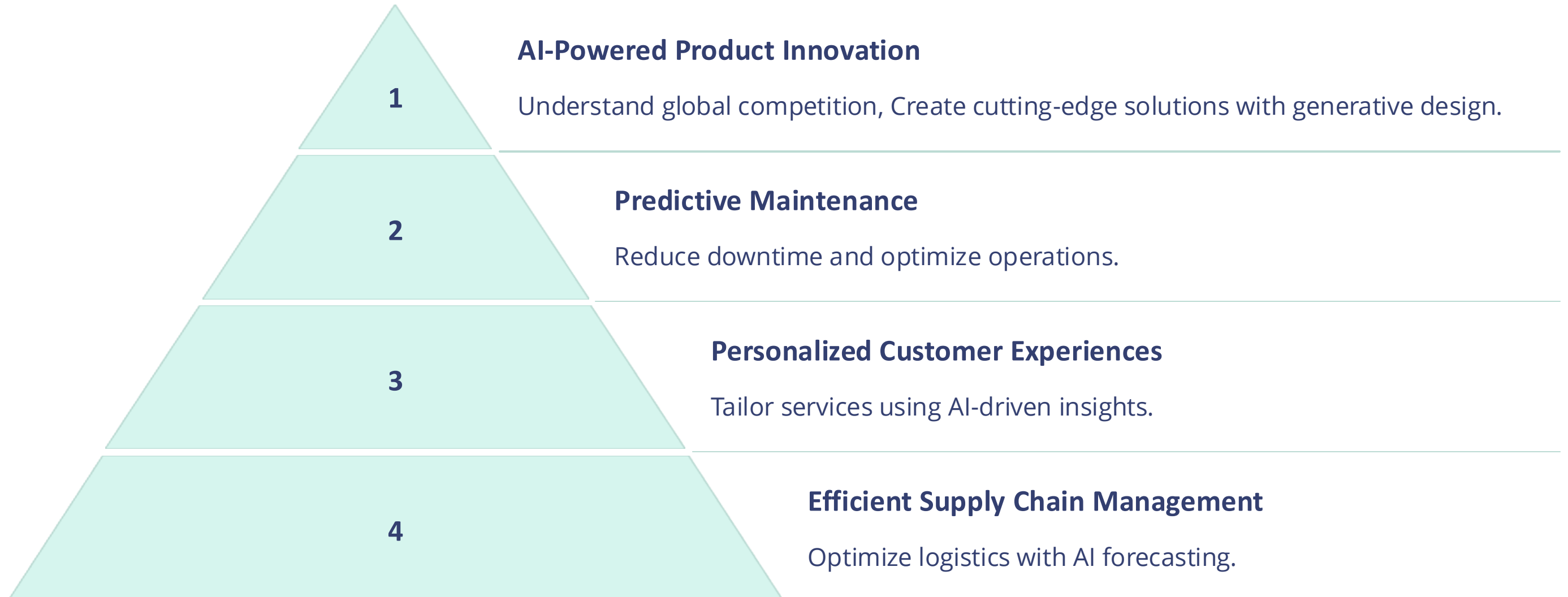
Expand Globally

Leverage AI to understand foreign standards, foreign competition, overcome language barriers and adapt to international markets. Increase Export!

Boosting Global Competitiveness

1

AI-Powered Product Innovation

Understand global competition, Create cutting-edge solutions with generative design.

2

Predictive Maintenance

Reduce downtime and optimize operations.

3

Personalized Customer Experiences

Tailor services using AI-driven insights.

4

Efficient Supply Chain Management

Optimize logistics with AI forecasting.

Entrepreneurship Opportunities Opportunities

🚀

SaaS Platforms

Develop AI-powered tools for business analytics and automation.

🌐

Global Reach

Create language translation and localization services using NLP.

🤖

AI Assistants

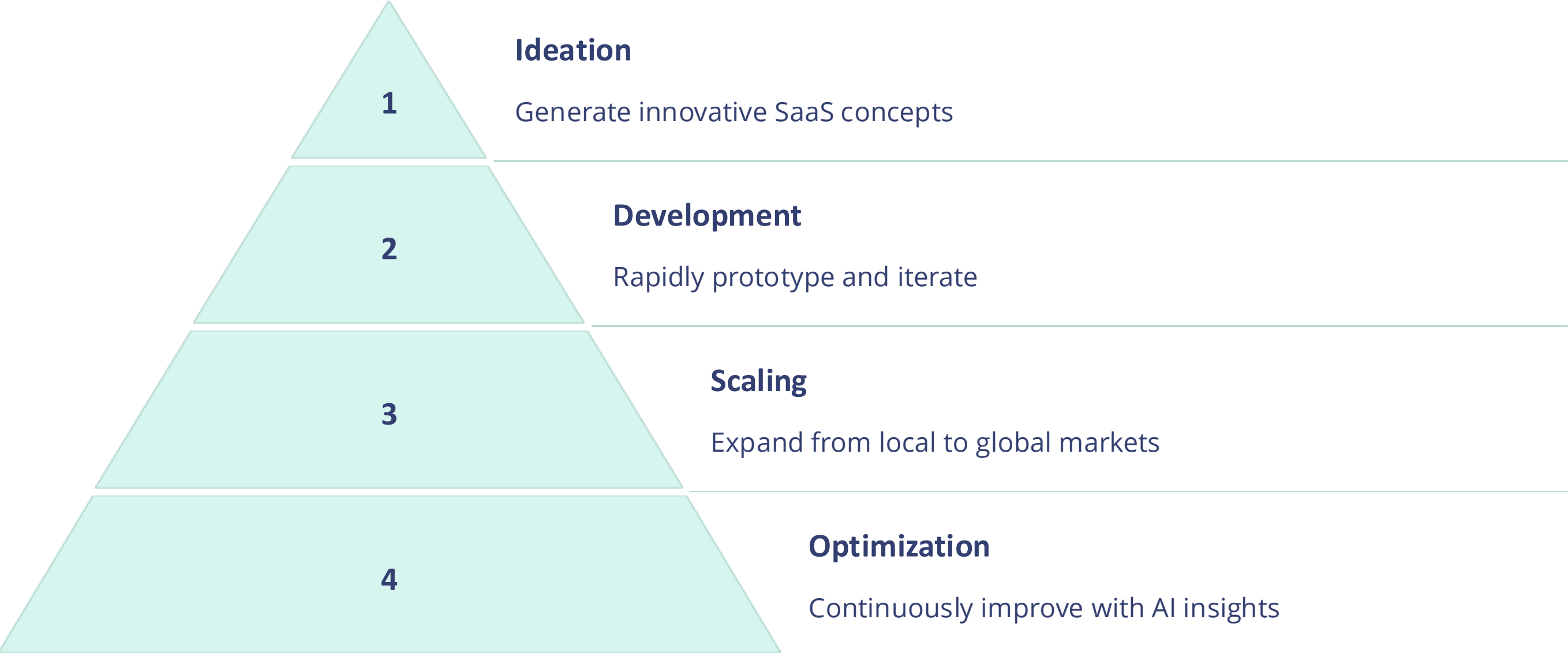Design intelligent personal and business assistants for various industries.

www.Linkedin.com/company/pakangels

Fueling Entrepreneurship with AI

Ideation

1

Generate innovative SaaS concepts

Development

2

Rapidly prototype and iterate

Scaling

3

Expand from local to global markets

Optimization

4

Continuously improve with AI insights

Solving Social and Healthcare Healthcare Challenges

AI-Powered Diagnostics

Develop tools for early disease detection, managing common ailments, and personalized treatments.

Mental Health Support

Create AI chatbots for 24/7 emotional support and counseling.

Rural Solutions

AI tutors to provide quality education in remote areas. Smart agriculture & low-cost diagnostic tools.

Environmental Conservation

Design AI systems for monitoring and predicting environmental changes.

Offering Freelance AI Services Globally

Platforms

Upwork and Toptal for global reach

Services

One time and ongoing services for small – mid size businesses

Profile Tips

Create compelling profiles and showcase real-world projects

PAKANGELS iCode Guru ASPIRE PAKISTAN

Freelancing Opportunities

1 **AI Integration Services**

Help businesses implement AI solutions into existing workflows.

2 **Develop Solutions for Small Business Needs**

Developing AI-based solutions using pre-trained models for specific business needs, chatbots, relevant tools.

3 **Fine-tuning and RAG based data implementation & maintenance**

Offer one time and ongoing services.

4 **AI Consultation**

Provide expert advice on AI strategy and implementation.

Thriving in the Global Freelance Market: Lead the Way!

Global Reach

Access clients worldwide through platforms like Upwork.

Competitive Edge

Offer cutting-edge AI solutions to stand out.

Skill Growth

Continuously evolve your expertise with each project.

Empowering the Next Generation Generation

1 **Inspire**

Share your AI journey to motivate students and professionals.

2 **Educate**

Develop comprehensive AI curricula and hands-on workshops.

3 **Mentor**

Guide aspiring AI developers through real-world projects.

4 **Network**

Connect students with industry opportunities and collaborations.

Your Next Steps in the AI Journey

1 **Apply Skills & Choose Your Path**

Decide which area of impact resonates most with you.

2 **Build Your Portfolio**

Create and showcase AI projects that align with your goals.

3 **Network and Collaborate**

Connect with like-minded professionals and potential partners.

4 **Stay Updated**

Continuously learn about the latest AI advancements and applications.

For a Prosperous Future