

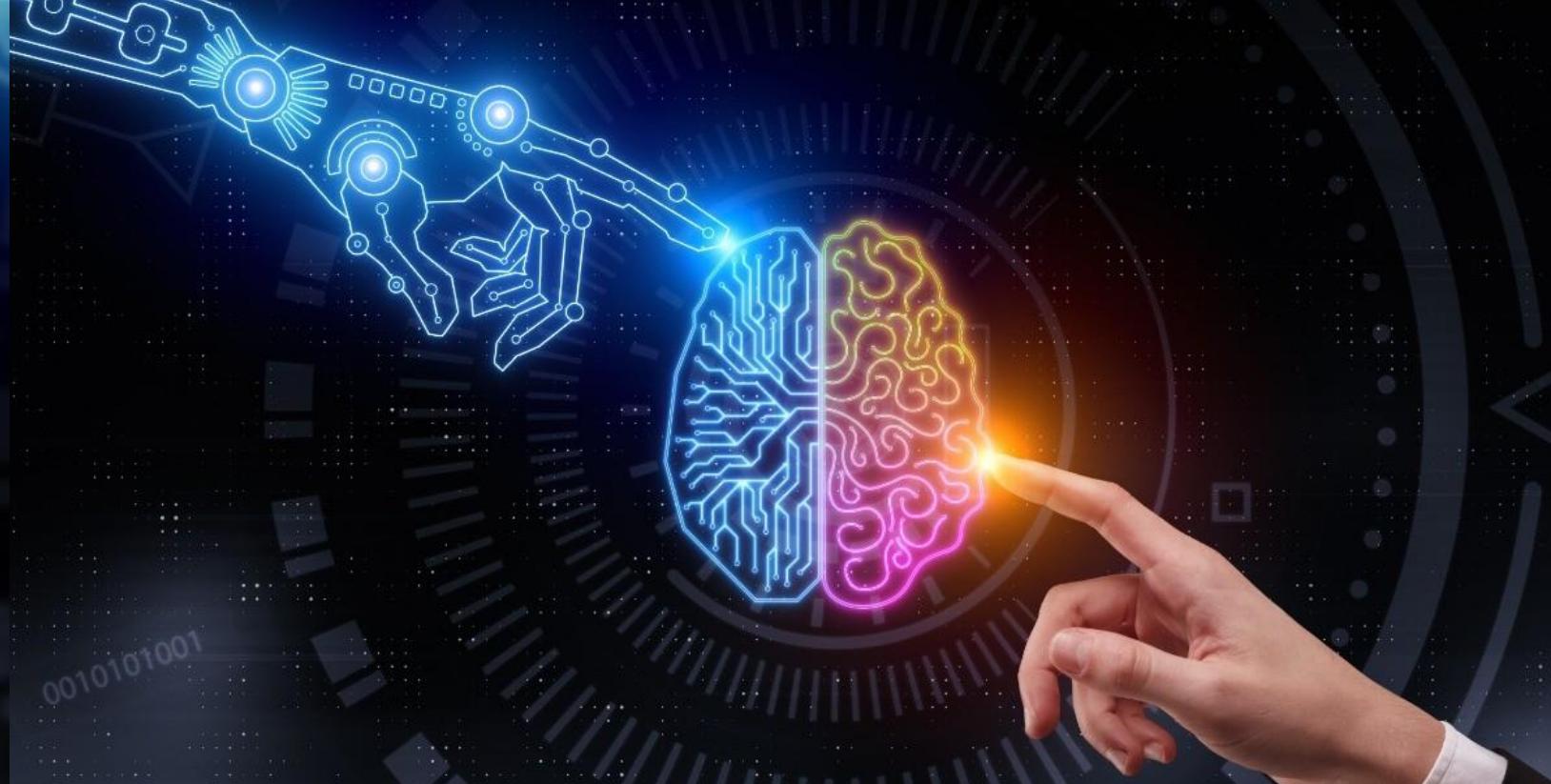
STARS FORUM

Skills Training For Advancement in Rural Societies

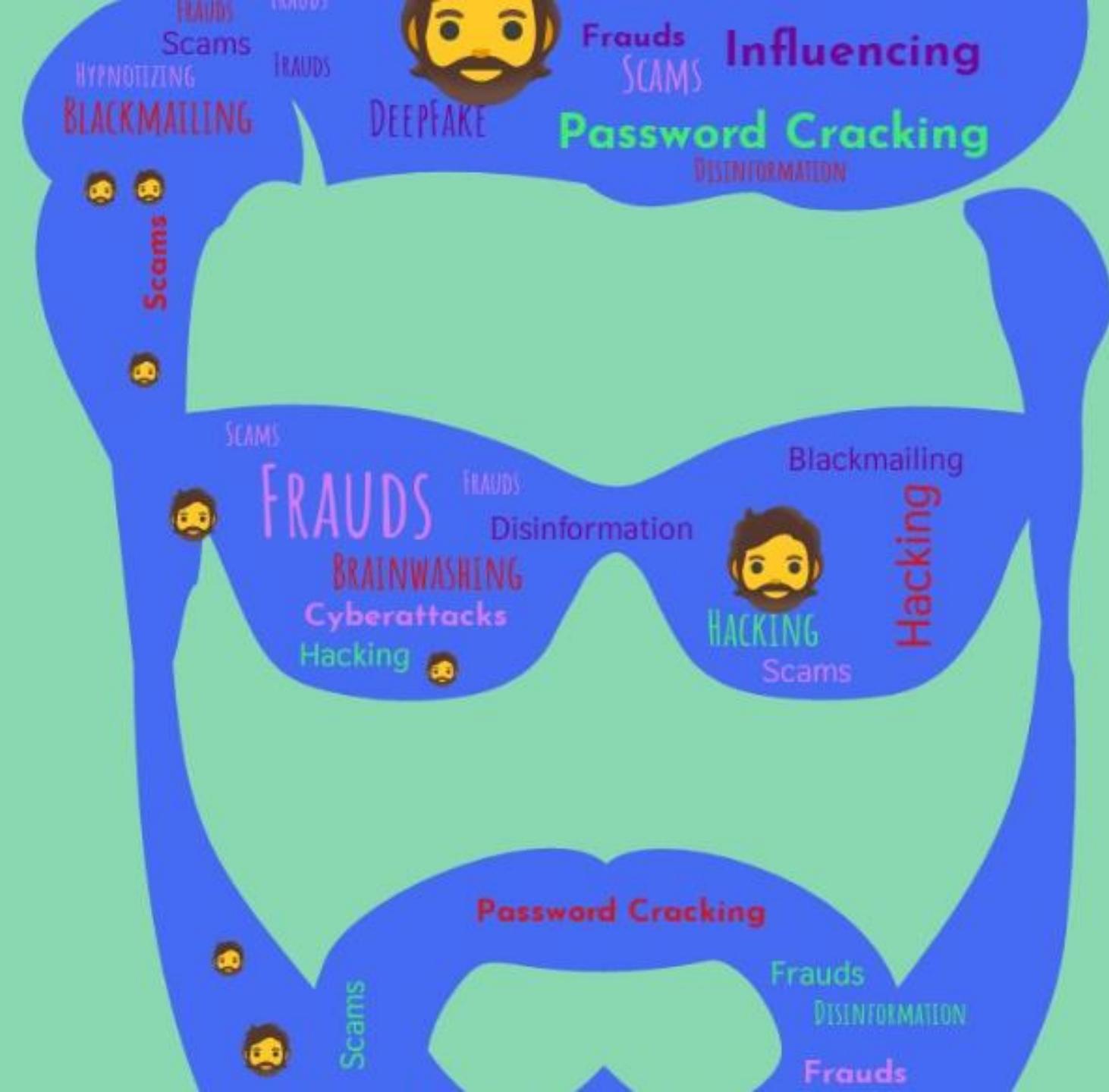
AI for Social Sector Leaders

Vivek Sawant

Chief Mentor, MKCL



AI is asking humans
“हम आपके हैं कौन?”



In the near future AI will be developed to perform not only mundane but also complex human tasks such as

- meaningful conversations,
- composing poems,
- directing movies, ...

(1956)



Herbert Simon

The Logic Theorist (1956)

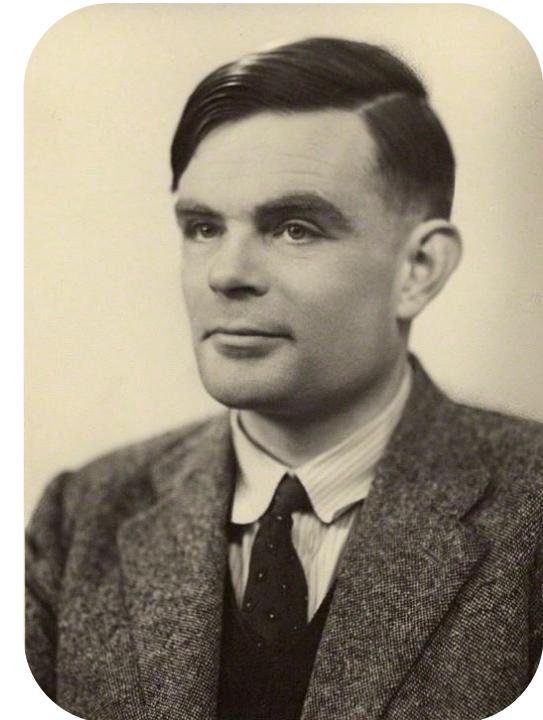
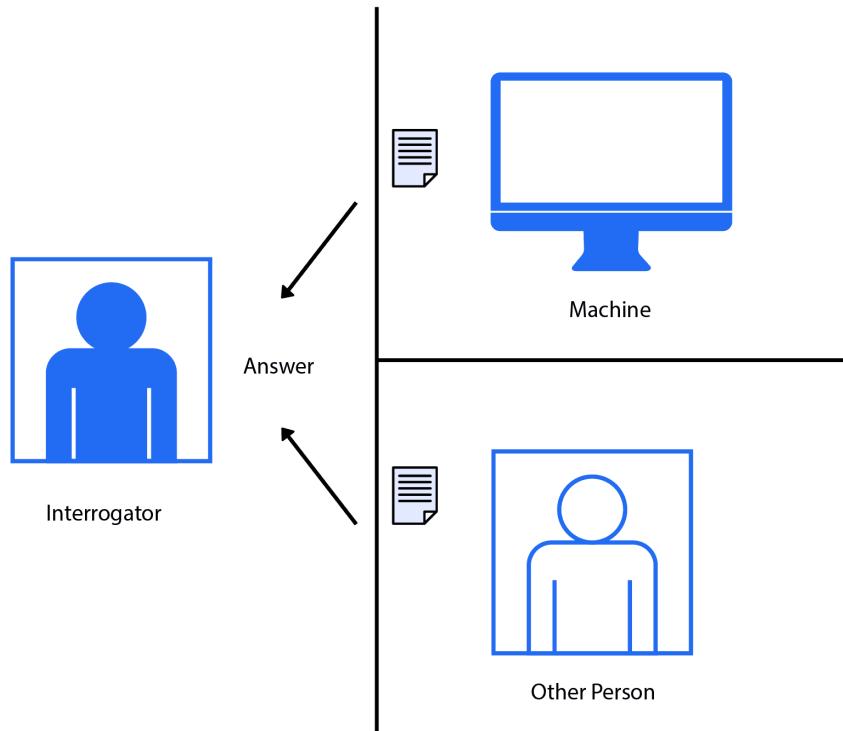
- Designed to mimic human problem-solving
- Proved 38 of the first 52 theorems from Principia Mathematica
- A major step toward AI's goal of replicating human reasoning



Herbert Simon
Allen Newell

Turing Test -1950

"Computing Machinery and Intelligence"



Eliza and Natural Language Processing (NLP) (1966)

- First program capable of mimicking human conversation (in text)
- a groundbreaking moment for NLP
- its ability to simulate meaningful conversation stunned many
- led to significant debates about the nature of human-machine interaction.



Joseph
Weizenbaum

Promises

1965

“Within 20 years
machines will be capable
of doing any work a man
can do.”

Herbert Simon, AI Pioneer

1975

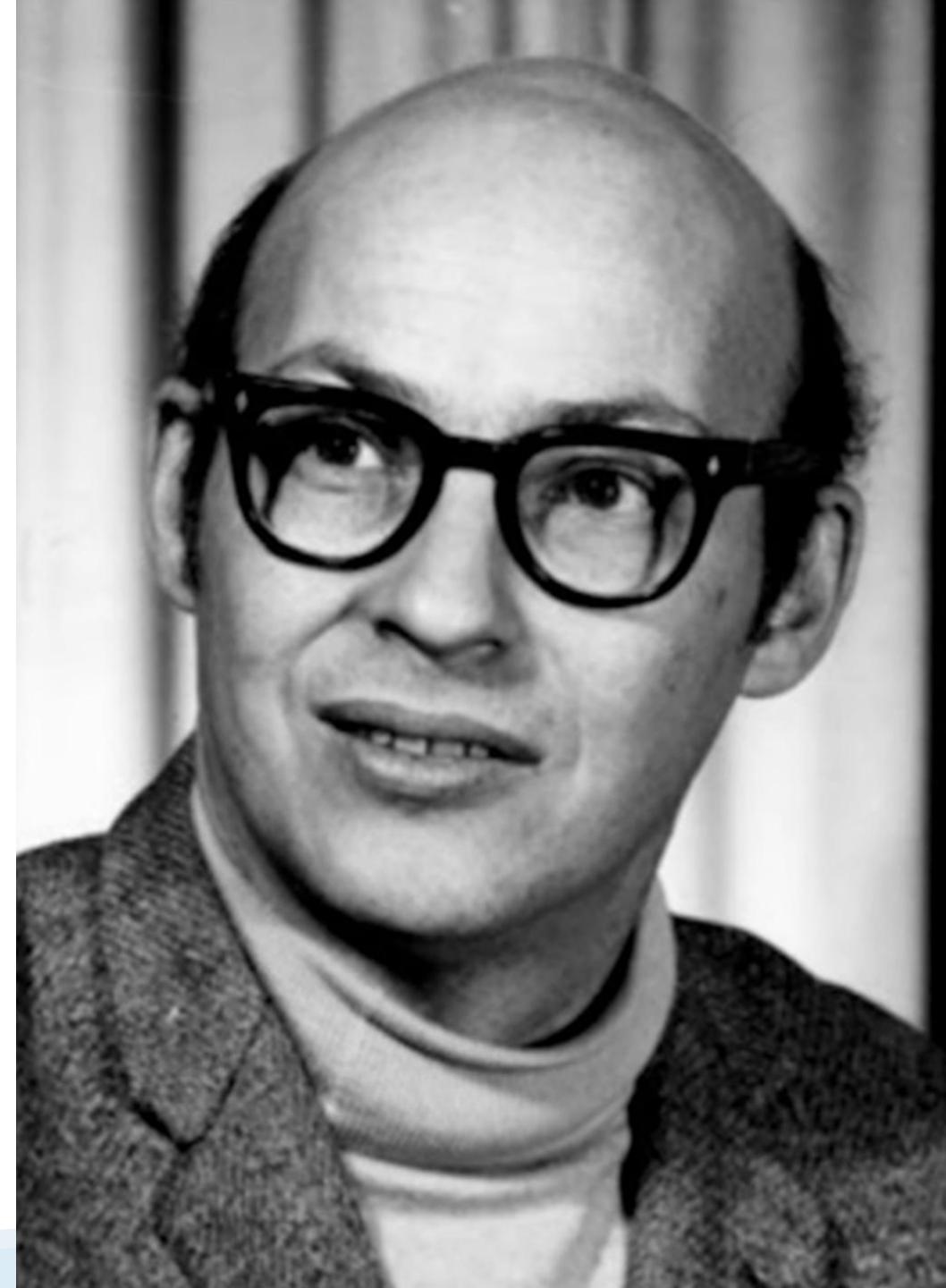
“Within a generation, the
problem of creating AI
will be substantially
solved.”

Marvin Minsky,
Cofounder, MIT CS & AI Lab

Within 10 years
computers won't even
keep us as pets.

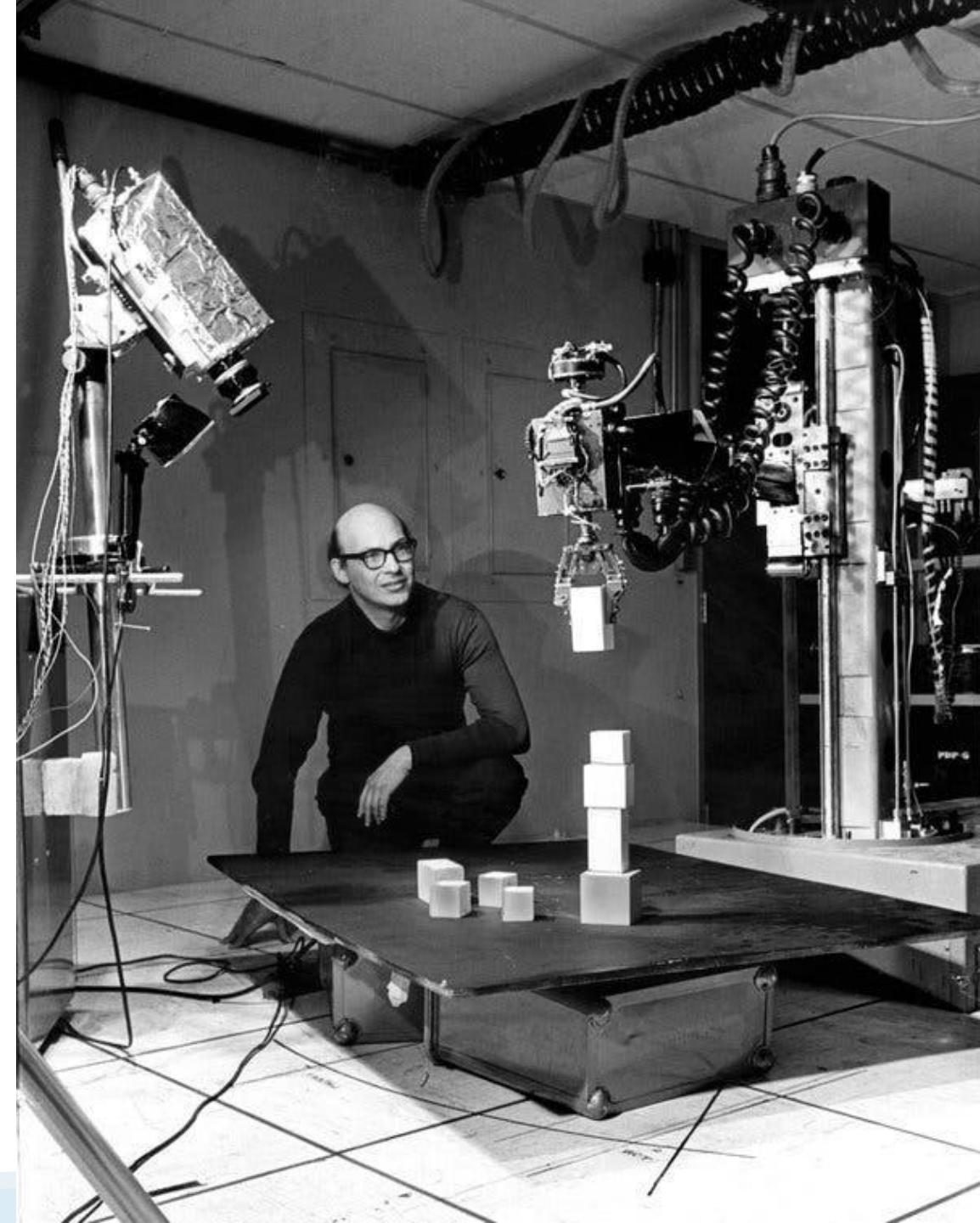
Marvin Minsky

1975

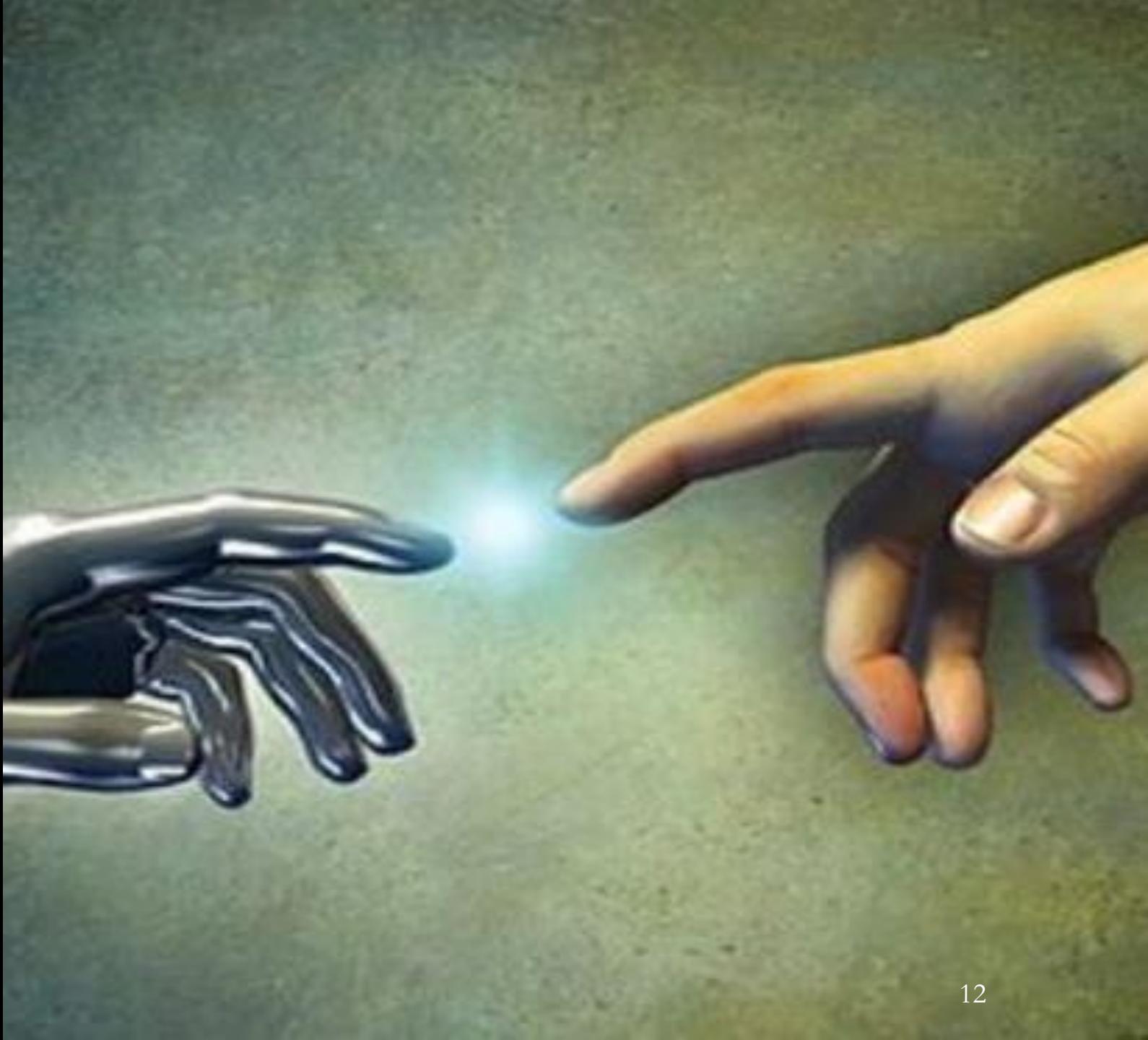


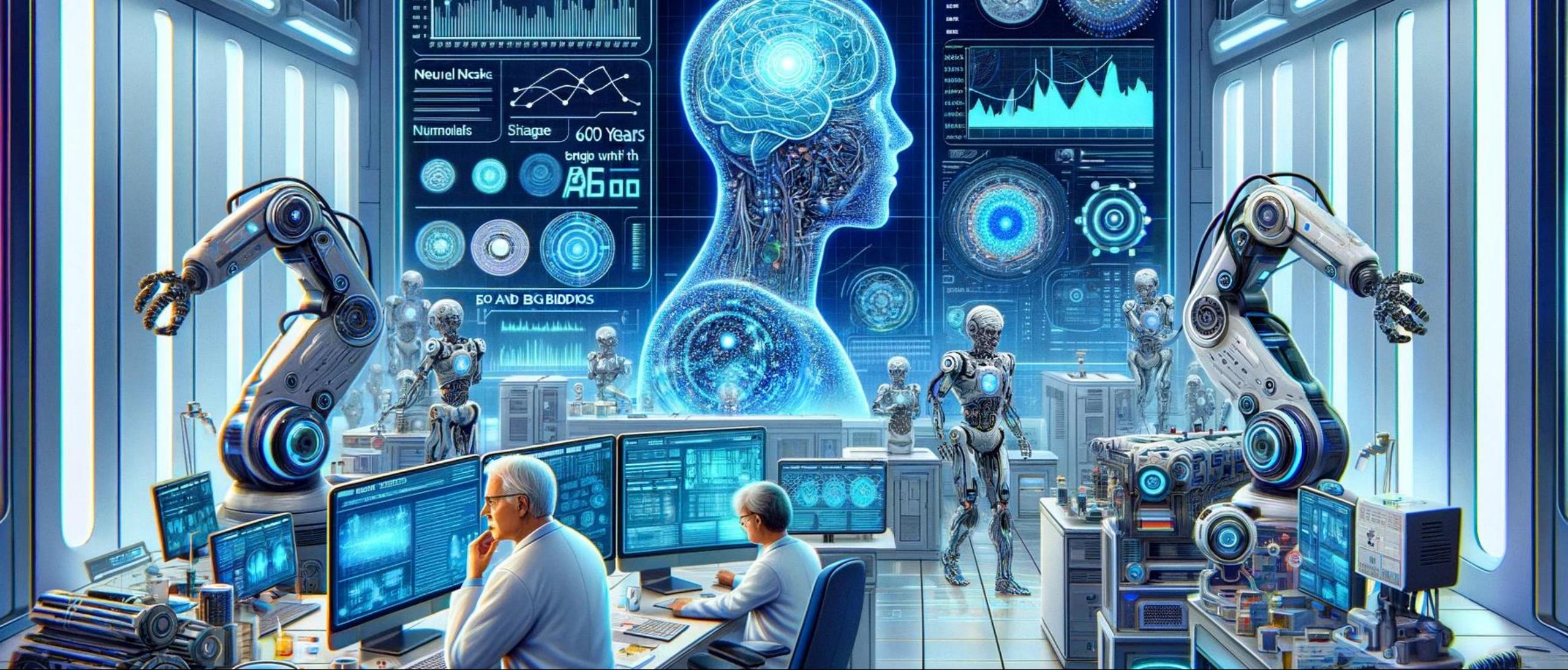
We'll show you that
you can build a mind
from many little
parts, each mindless
by itself.

Marvin Minsky



Attempts to make machine intelligence resemble human intelligence have repeatedly failed to deliver their promises.





Even after 60 years of intense research with big budgets, ability of AI to demonstrate human-like intelligent behavior is limited.

password?



I'm not a robot

Proof!!



TARUNHE SMART SENSORS

S STILL UNAVAILBLE

HUMAN SENSES CYBERGONS

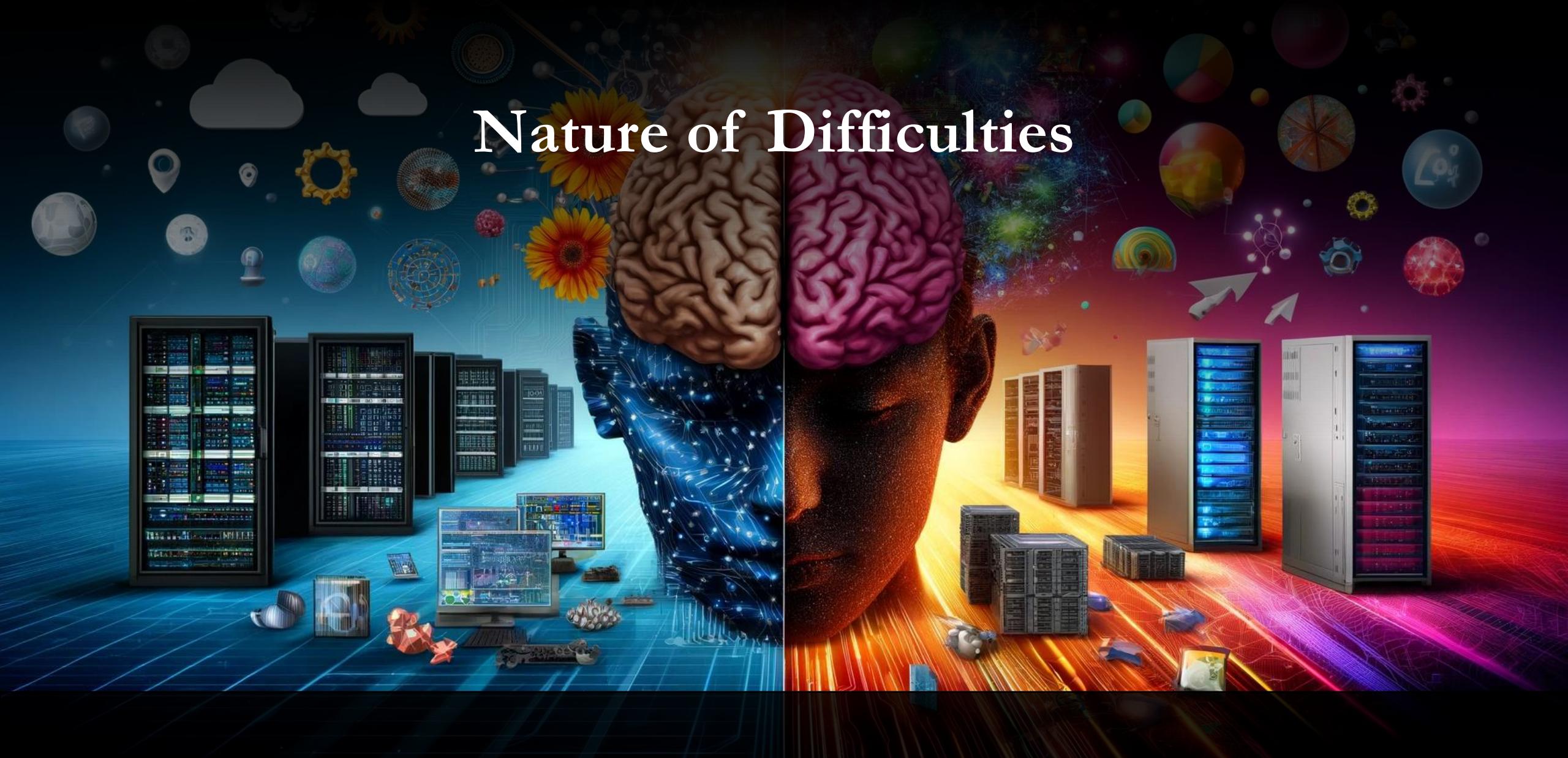
Nature of Difficulties

Sensors Matching Human Sense Organs
could not be developed

Nature of Difficulties

Actuators matching the Human Motor Organs could not be developed. Robotics is still in its infancy

Nature of Difficulties



Non-availability of Enough Compute Power

Nature of Difficulties

Non-availability of Appropriate
Programming Paradigm



Simulation is *NOT* Duplication!



20th century notion that
Artificial Intelligence
will be like
Human Intelligence
got gradually outdated.

AI is Non-HI!

Research took a divergent turn!

It began to develop a characteristically different Intelligence with capabilities ***not*** possessed by humans!!



Birth of Backpropagation and Neural Networks (1986)

Geoffrey Hinton, David Rumelhart, and Ronald J. Williams revitalized neural network research.

This algorithm allowed artificial neural networks to **learn by adjusting weights** based on errors.

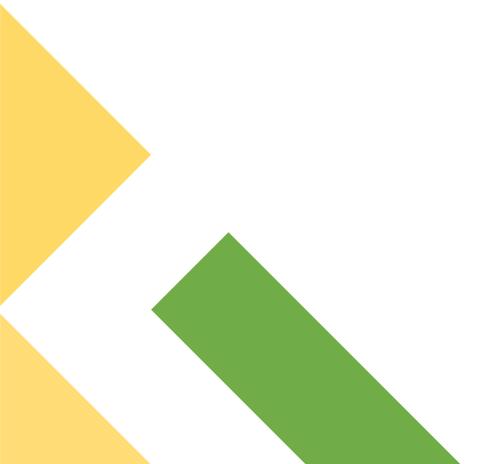
This led to **modern deep learning** techniques that formed the backbone of Non-Human Like AI today.

GPT-3 and Large Language Models (2020)

A massive transformer-based language model with **175 billion parameters**. It showcased an unprecedented ability to generate **human-like text**.

Its ability to generate coherent essays, creative writing, and even code opened up new frontiers in **natural language generation** and human-computer interaction.

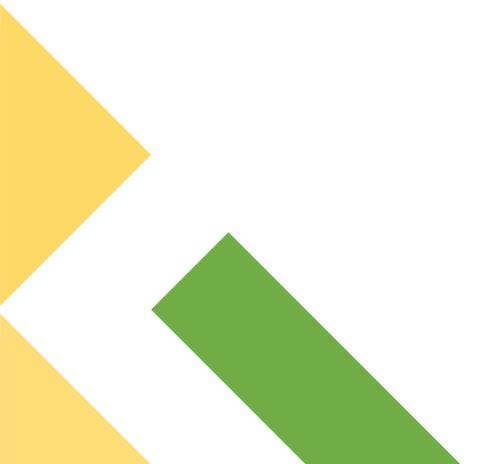
GPT-3 is an example of the extraordinary potential of **scaling up models**.



BC To AD



BC: Before ChatGPT
To
AD: After-AI Disruption





Convergence of Digital Megatrends

*Industrial Revolution created a
“Working Class”.*

*AI Revolution may create an
“Unworking Class”.*



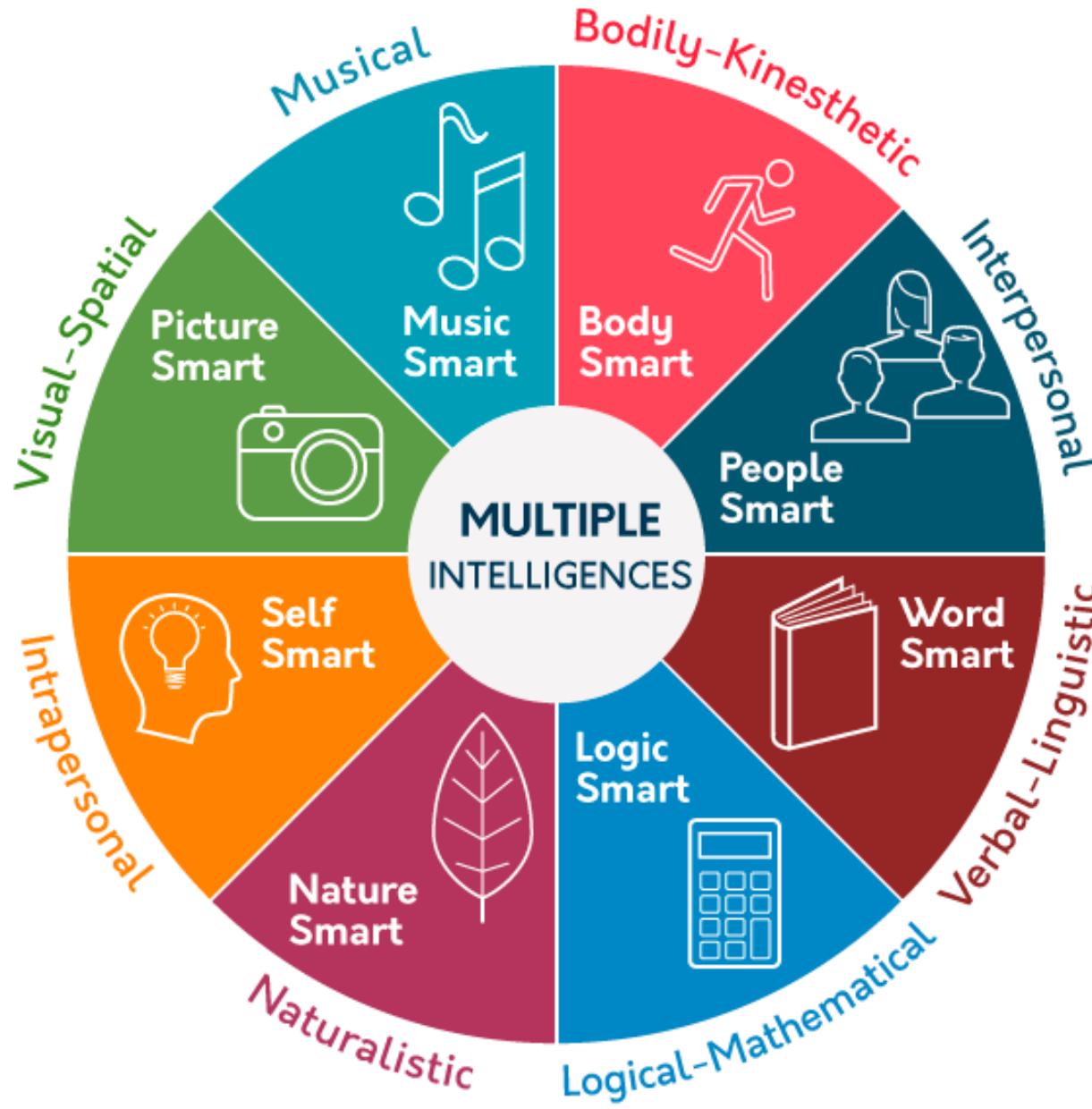
We have moved away
from Gandhiji's
Principles of
Wholesome Work.



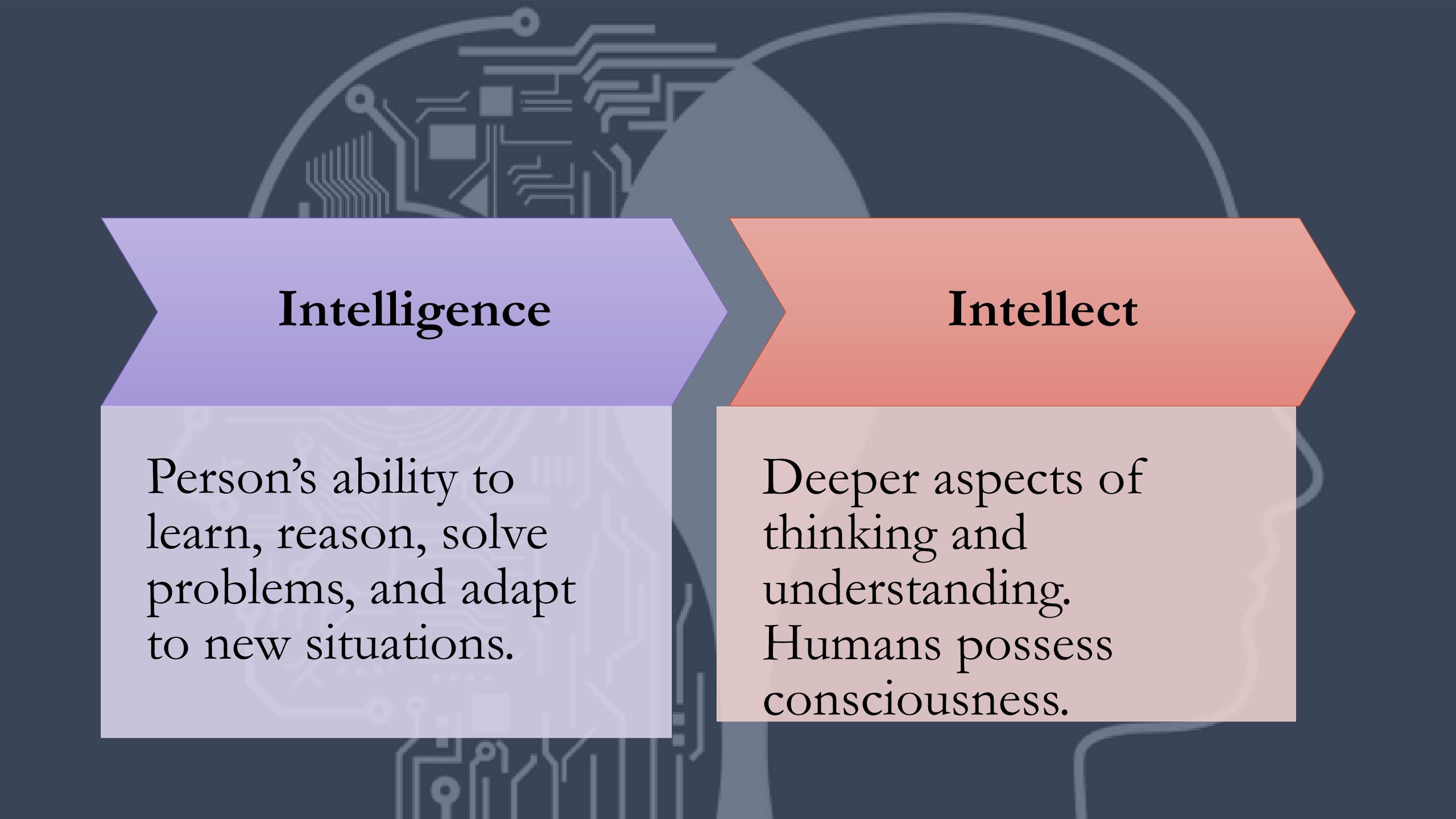
We are making very limited use of
Intrinsic Human Capabilities.

We have lost many of them!

We need to rediscover ‘ourselves’!!.



Howard Gardner
**Theory of
Multiple Intelligences**

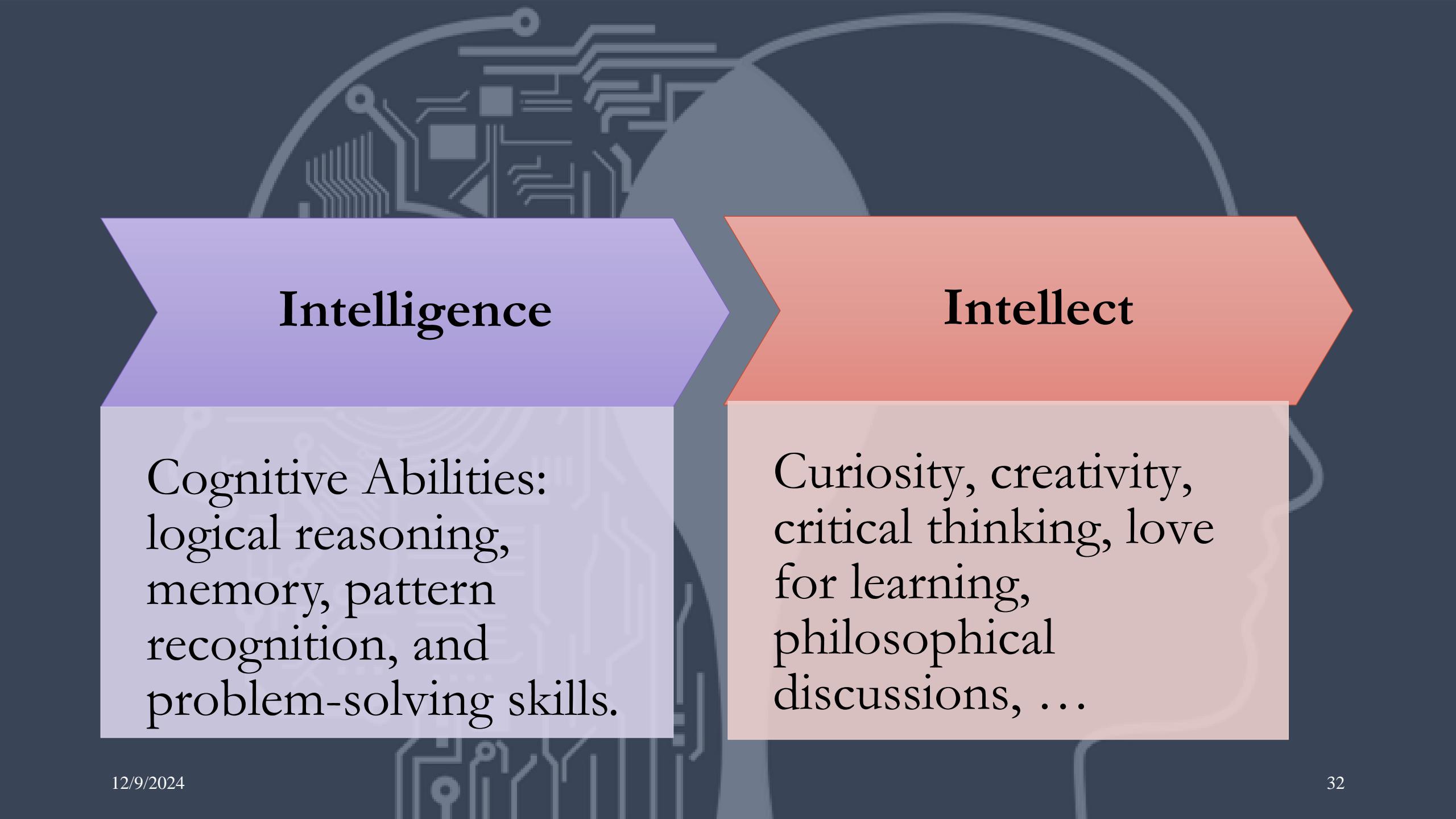


Intelligence

Person's ability to learn, reason, solve problems, and adapt to new situations.

Intellect

Deeper aspects of thinking and understanding. Humans possess consciousness.

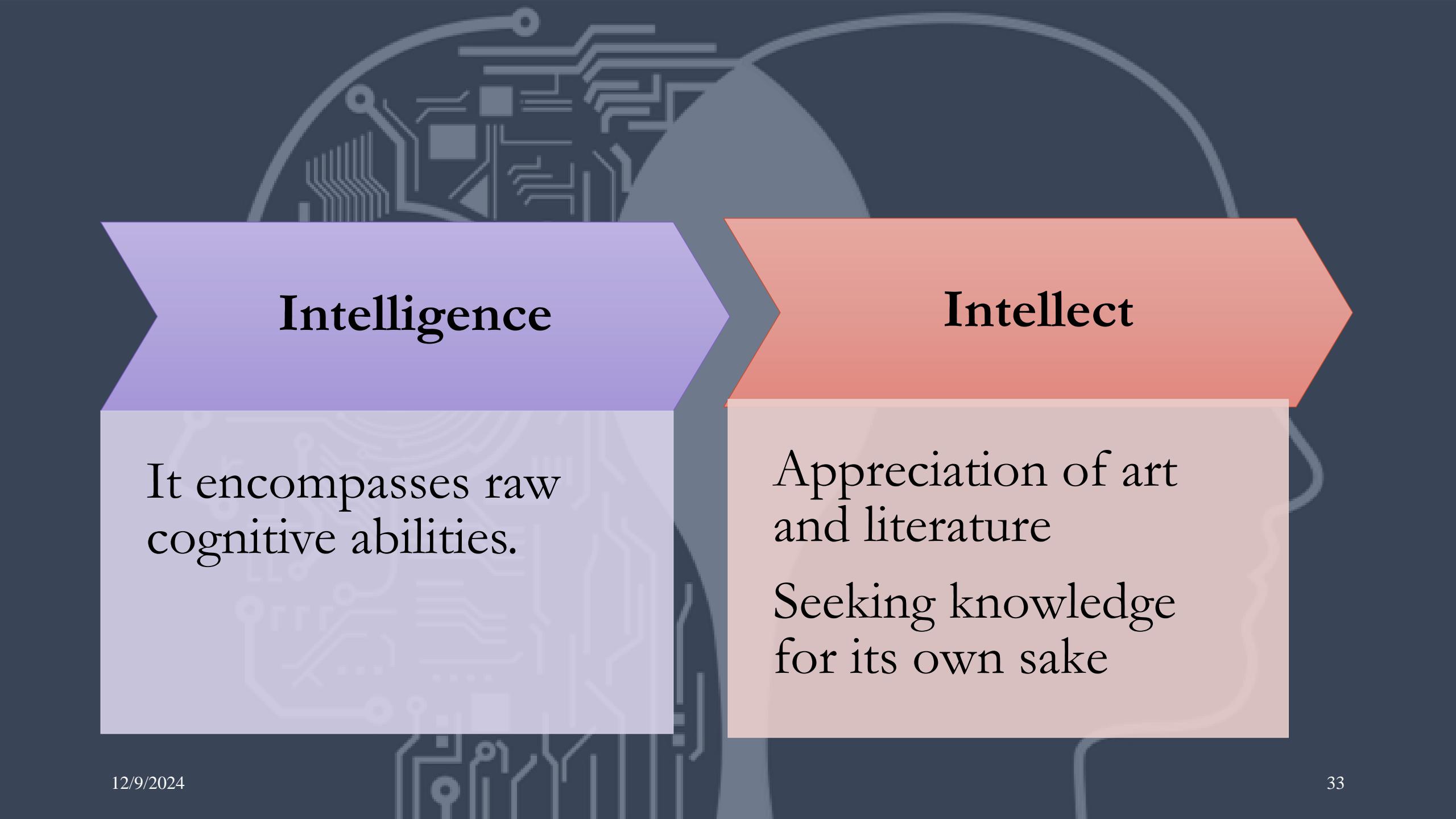


Intelligence

Cognitive Abilities:
logical reasoning,
memory, pattern
recognition, and
problem-solving skills.

Intellect

Curiosity, creativity,
critical thinking, love
for learning,
philosophical
discussions, ...

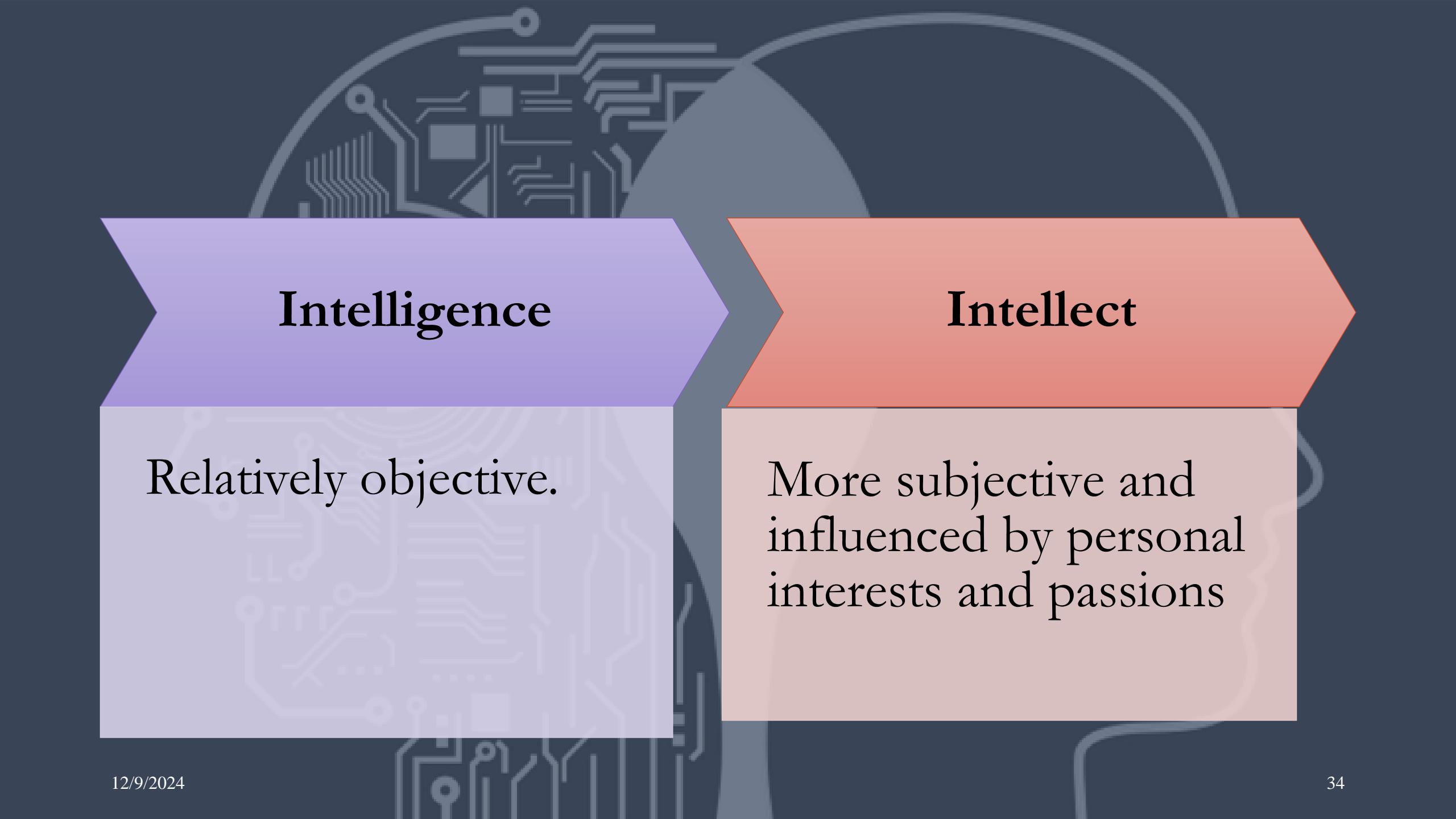


Intelligence

It encompasses raw cognitive abilities.

Intellect

Appreciation of art and literature
Seeking knowledge for its own sake

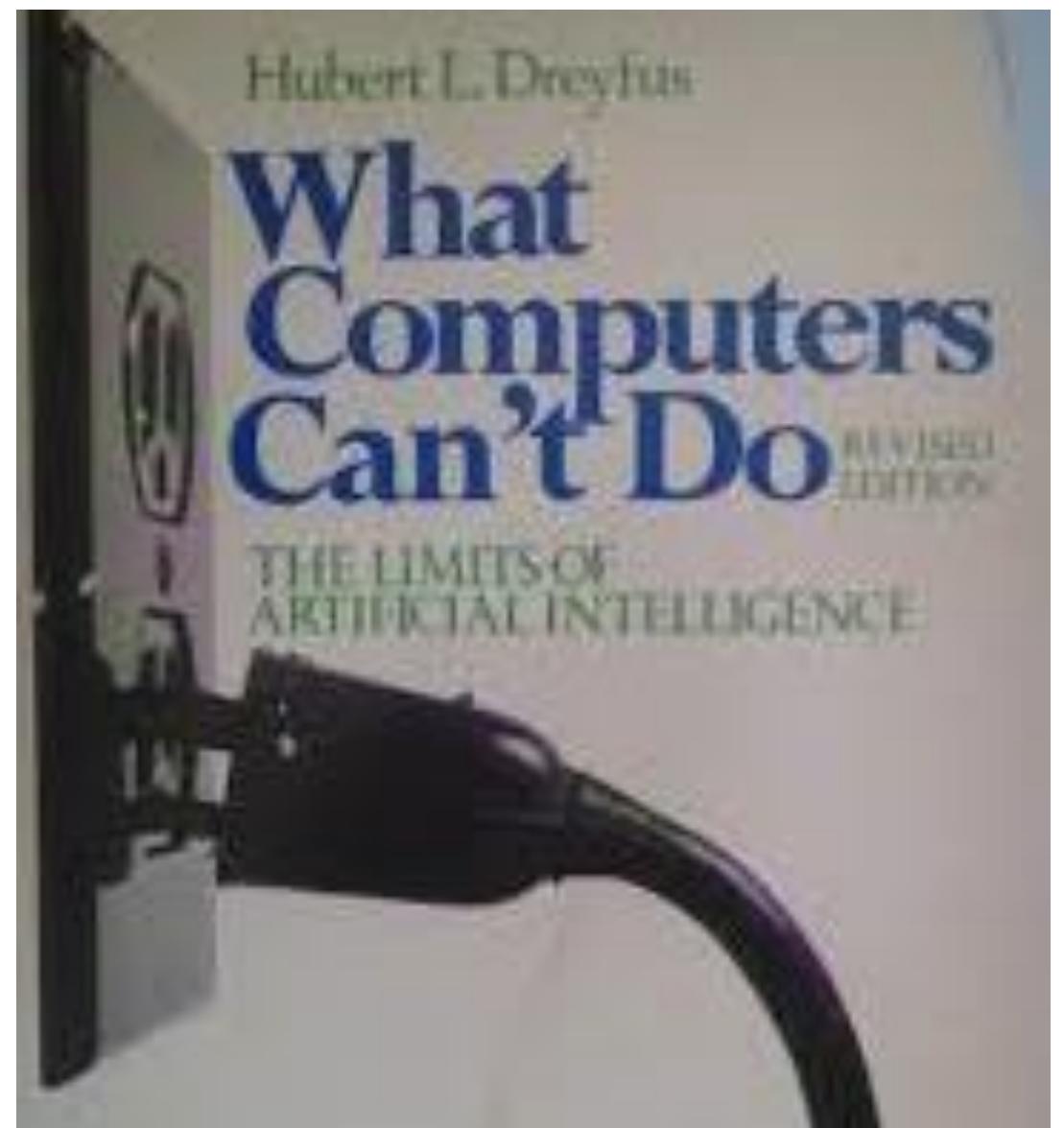


Intelligence

Relatively objective.

Intellect

More subjective and influenced by personal interests and passions



Explicit Skills Vs. Implicit Skills

AI can be trained
only in Explicit Skills.

Hubert Dreyfus



Human mind is a world of:

Dreams
Imagination
Emotions
Feelings
Contextuality

Subjective Experiences
Ingenuity
Common Sense



Human mind is a
world of:

Complex
Thinking
Sensations
Consciousness
Creativity

Intuition
EQ, ...
Out of Box
Thinking
Adaptability



Creativity and Innovation

AI can process data and generate content.

But it lacks the ability to truly innovate or come up with original and abstract ideas in the way humans do.

$$IV = III + III$$

$$VI = ||| + |||$$

$$||| = ||| + |||$$

||| = ||| = |||



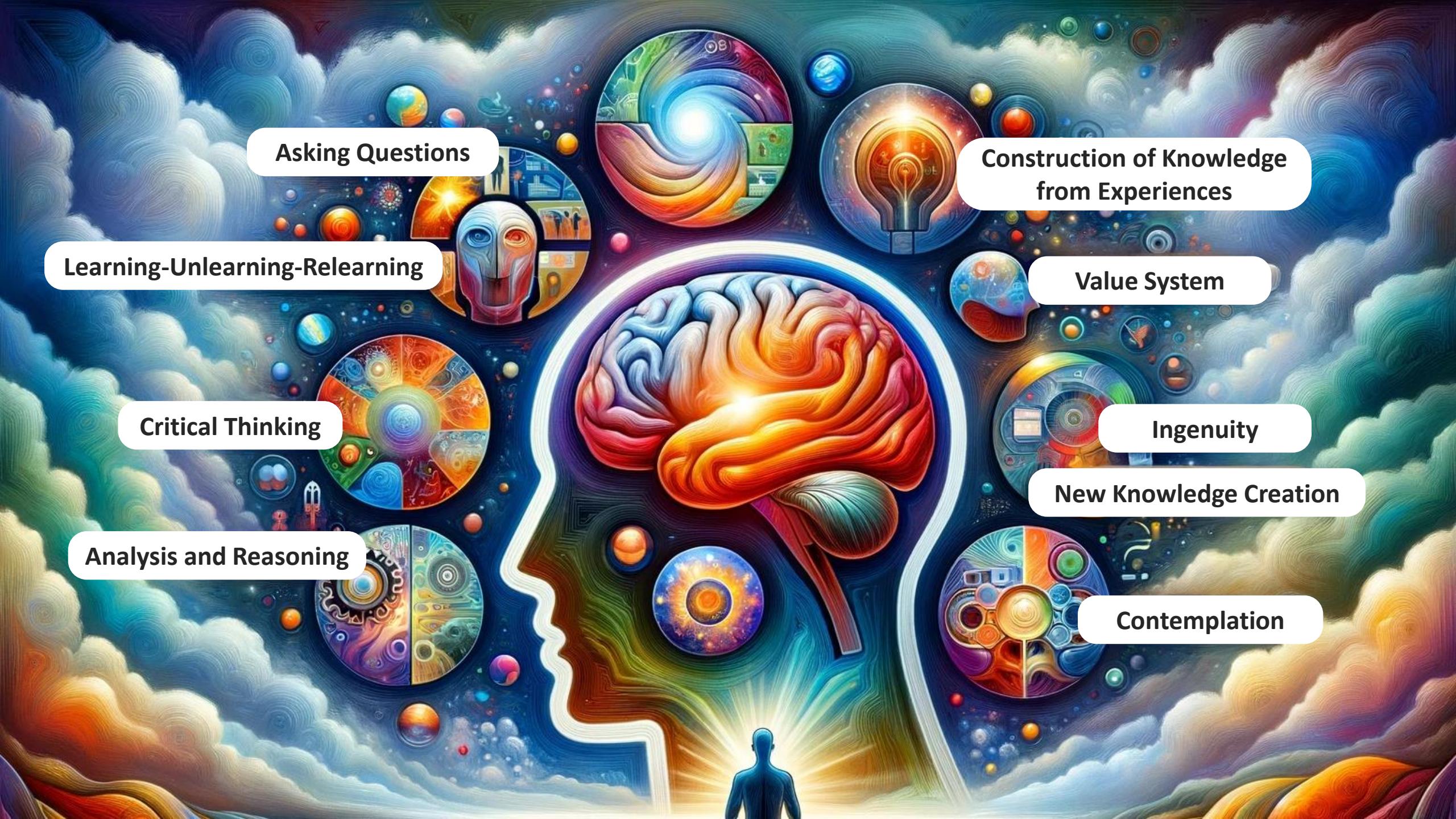
Creativity and Innovation

Creativity in fields like art, design, storytelling, and problem-solving remains distinctly human.

Critical Thinking and Judgment

AI excels at processing vast amounts of data.

Human intuition and critical thinking are essential for making decisions that involve uncertainties and demand judgments and insights beyond data.



Asking Questions

Construction of Knowledge
from Experiences

Learning-Unlearning-Relearning

Value System

Critical Thinking

Ingenuity

Analysis and Reasoning

New Knowledge Creation

Contemplation



Complementarity Between HI and AI

Human Intelligence

- Broadness of thinking, though superficial
- Subjective
- Synthesis of Ideas

Artificial Intelligence

- Narrow but Deeper thought processing
- Objective
- Analysis of Vast Data

Complementarity Between HI and AI

Human Intelligence

- Wisdom

- Impossible to be automated

- Uniqueness

Artificial Intelligence

- Pattern recognition

- Possible to be automated

- - Replicability

Transparent
Accountable
Safe

PRIVACY PROTECTING

Reliable

Privacy Protecting

Explainable

Safe

Safe
Impartial

RELIABLE TRUSTWORTHY
IMPARTIAL
SECURE
Fair
Secure
TRANSPARENT

Responsible

PRIVACY PROTECTING
Explainable
Reliable

Secure
IMPARTIAL

Explainable
Transparent
Reliable

SAFE
Impartial
Secure

Responsible
Secure
FAIR
Reliable
Transparent

Safe

Fair
TRUSTWORTHY
Privacy Protecting
Responsible

Reliable
Transparent
Fair
Secure
Explainable
Accountable

Impartial

SA

सत्यग्रही - सत्यग्रही AI

Responsive
TRUSTWORTHY
IMPARTIAL



RELIABLE
Safe
TRANSPARENT
Accountable

Transparent

Secure

Secure

Secure

Responsible

Explainable

RESPONSIBLE

Explainable

Privacy Protecting
TRANSPARENT
Accountable
Trustworthy

Impartial

Secure

Fair

SAFE

IMPARTIAL

Impartial
SAFE

IMPARTIAL

IMPARTIAL

IMPARTIAL

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IMPARTIAL

The Way Forward...

HI and AI are so different that it is less likely that either of them can replace the other.



The Way Forward...

HI and AI are neither masters, nor competitors, nor opponents, nor killers nor enemies of each other.



The Way Forward...

HI and AI are complementary to each other.



New Collar Jobs Creator

CHALLENGER Partner Smart Assistant **COPILOT**
Smart Assistant
Advisor Advisor ADVISOR
Advisor
New Collar Jobs Creator

New Collar Jobs Creator

Deep Curator

Smart Assistant

PARTNER ADVISOR Coexplorer

Learning Buddy

Working Buddy

Copilot

Advisor

Partner

COEXPLORER

Deep Curator

Learning Buddy

dy

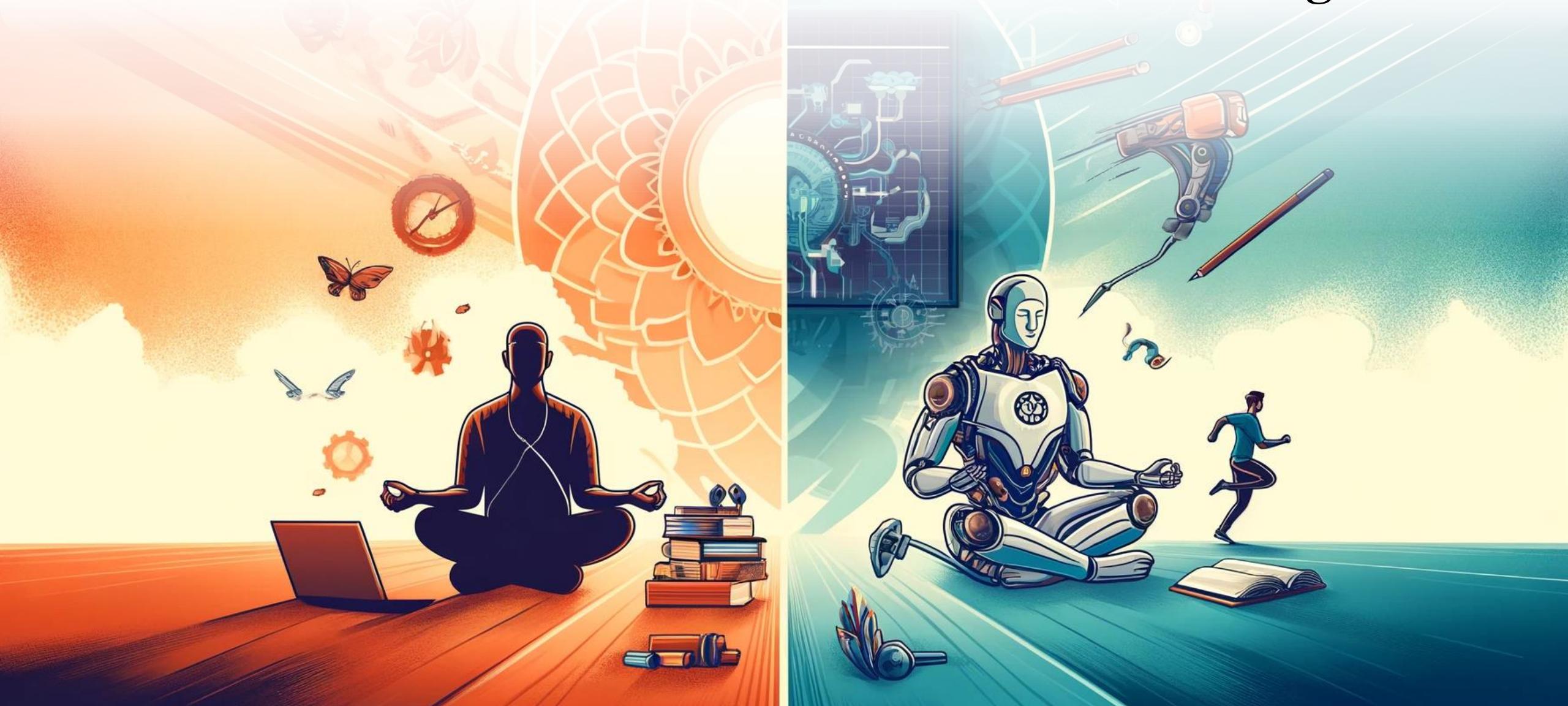
Partner

Co-creator

Co-explorer

Working Buddy

**Humans should be made better at what humans are good at and
Machines should be made better at what machines are good at!**



The Way Forward...

It would be an interesting human quest to forge a lasting **partnership** between the two.





How AI can be used for Advancement of Economy of Rural Societies?



AI has immense potential to drive the advancement of the rural economy by addressing challenges...



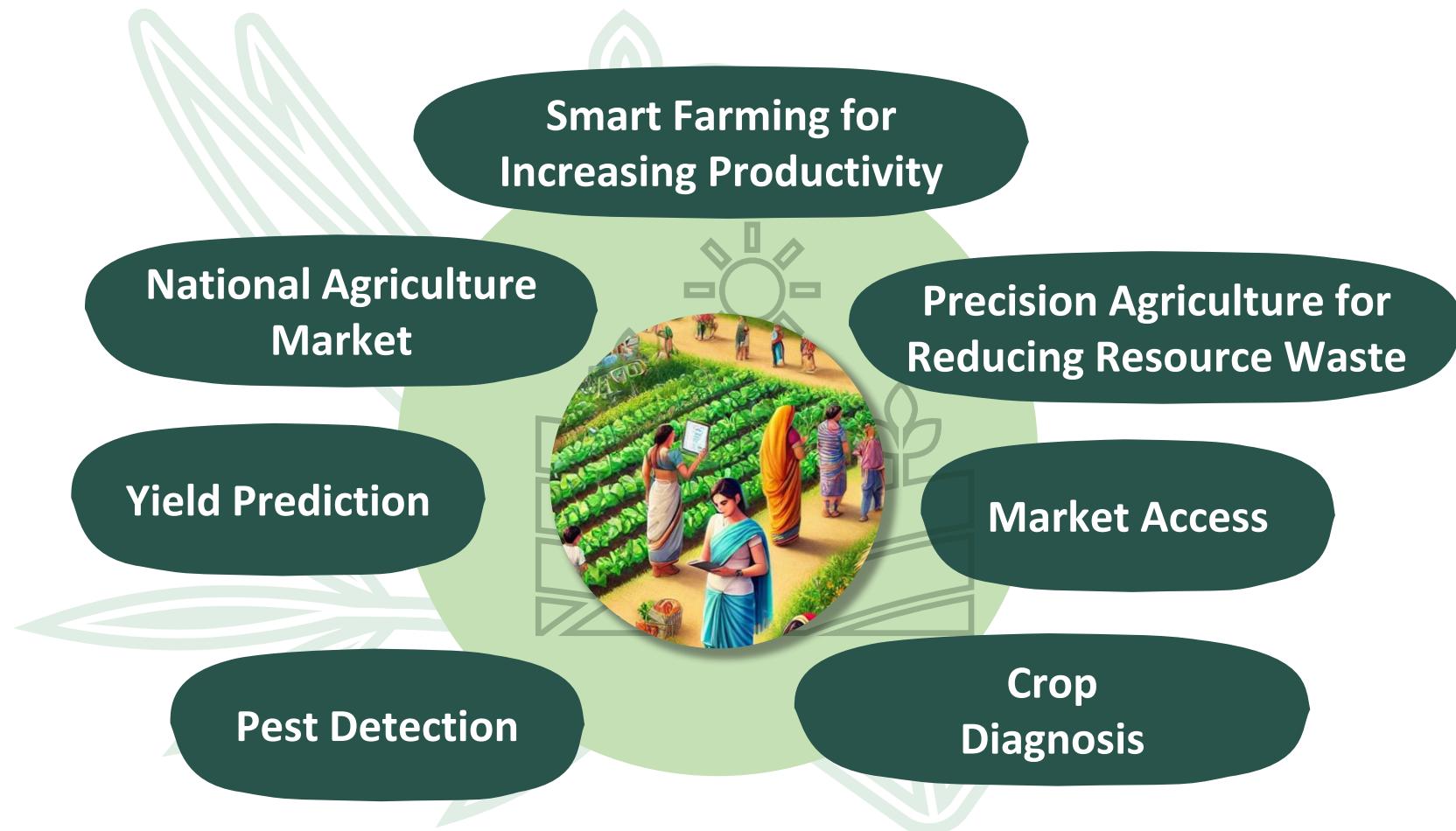
...such as limited infrastructure, lack of access to education and healthcare, and inefficiencies in agriculture.



1

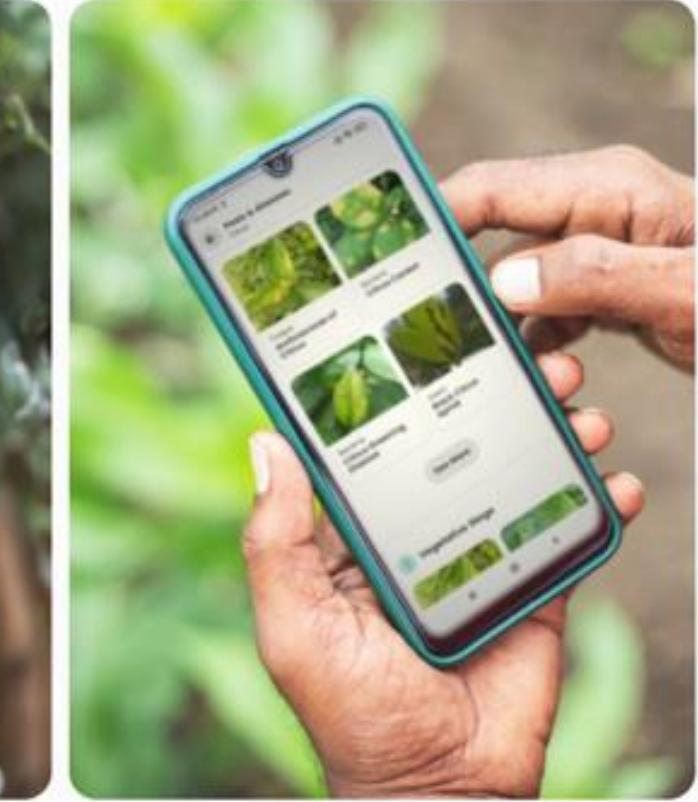
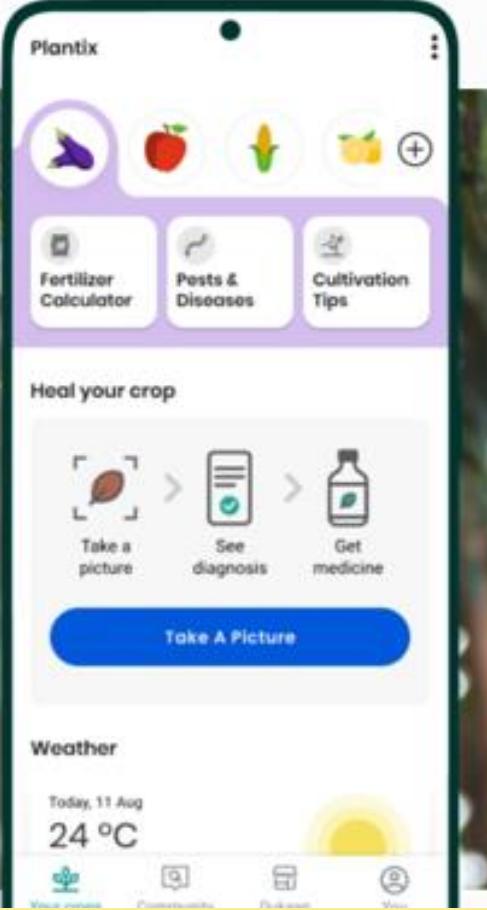
AI for Agricultural Development

Agricultural Development

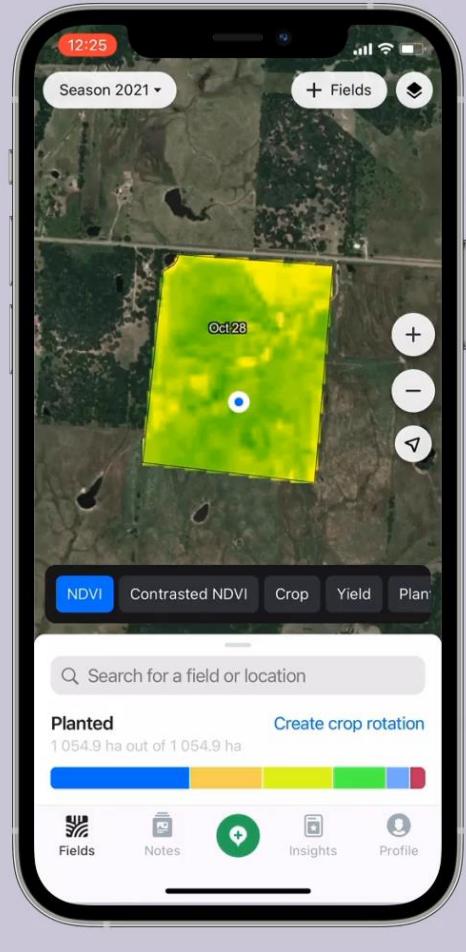




plantix

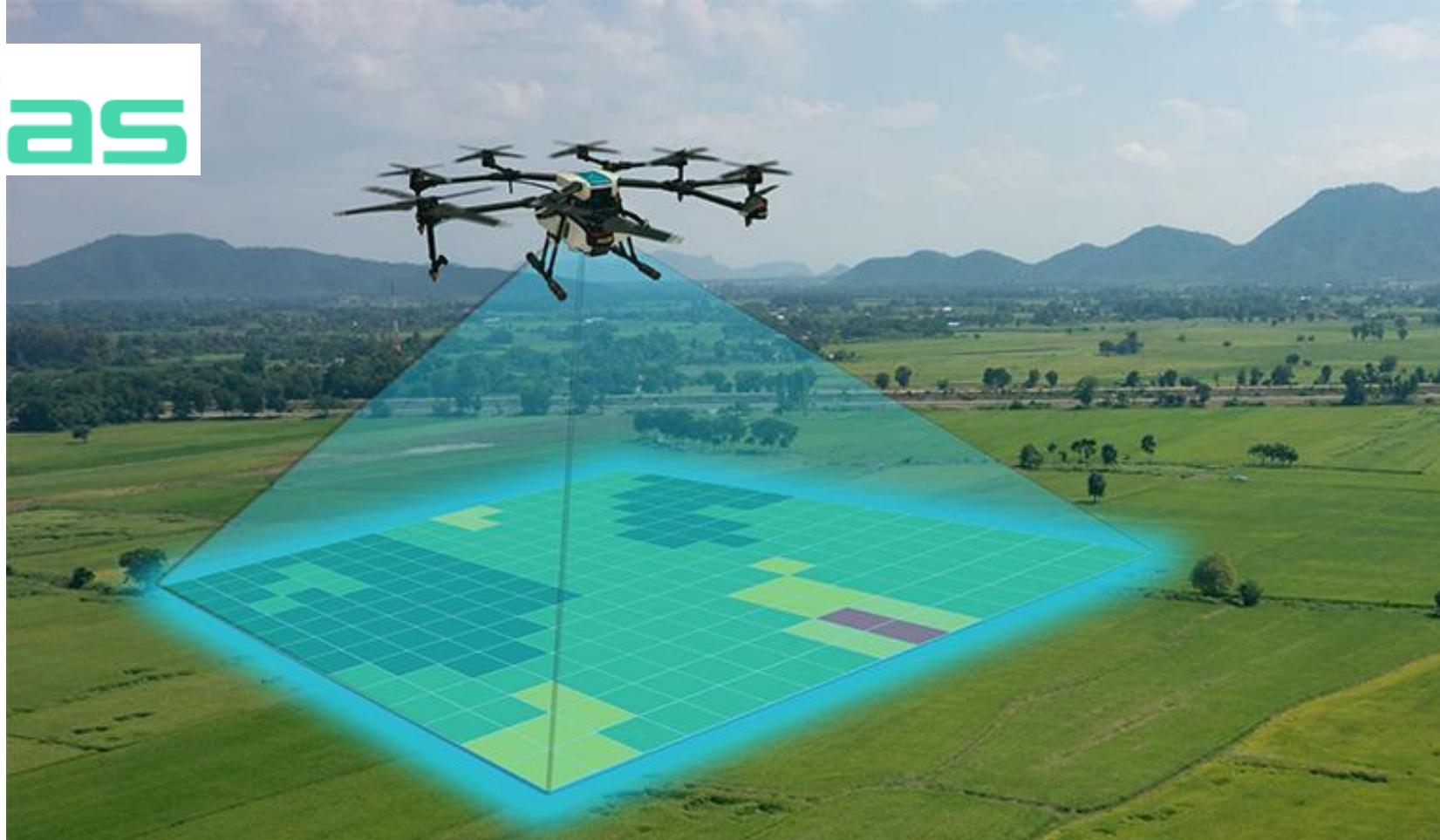


Smart Farming for Increasing Productivity
AI-powered systems can monitor crop health



Smart Farming for Increasing Productivity

AI-powered systems can predict weather patterns



Smart Farming for Increasing Productivity

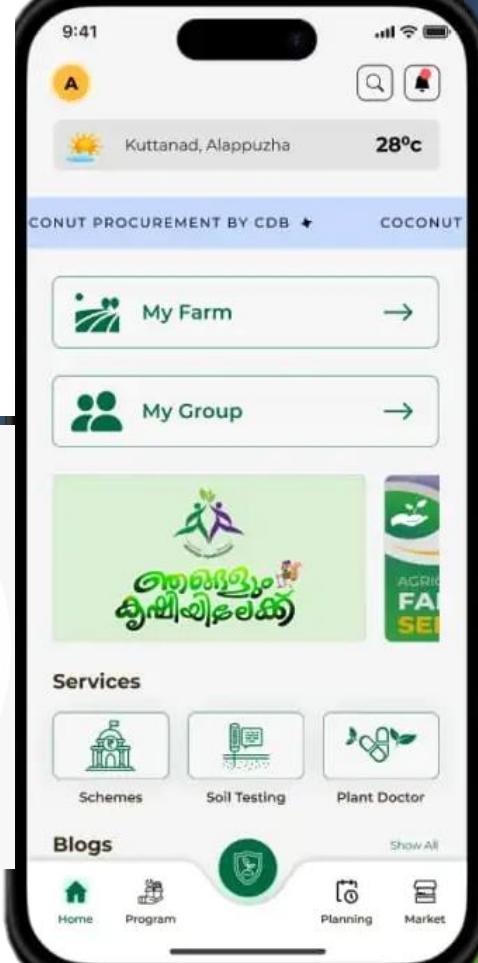
AI-powered systems can suggest optimal planting



KRISHIFY
किसानों का सोशल नेटवर्क

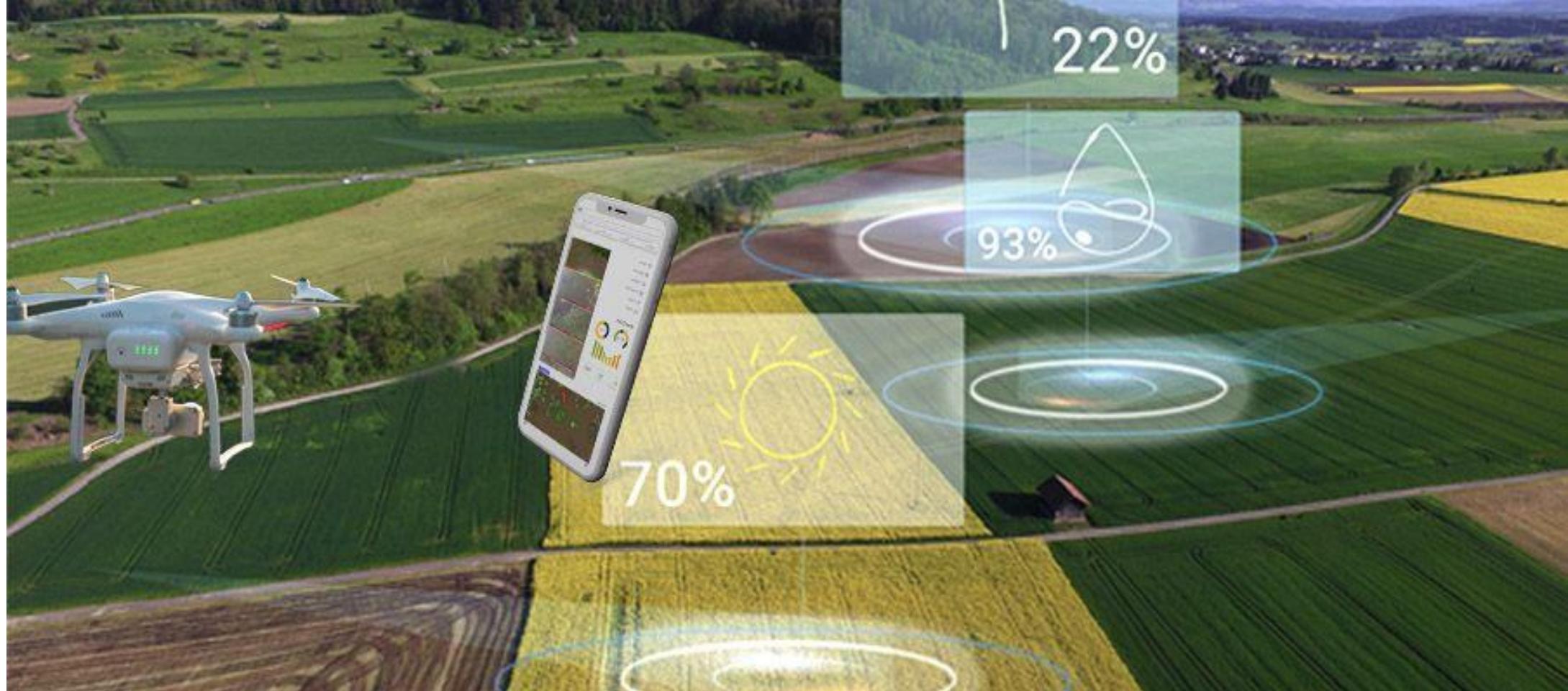


ट्रैक्टर एप



Smart Farming for Increasing Productivity

AI-powered systems can suggest optimal harvesting times



Precision Agriculture for Reducing Resource Waste

Drones and sensors powered by AI can analyze soil quality



Precision Agriculture for Reducing Resource Waste

Drones and sensors powered by AI can analyze water needs

Krish-e

JioKrishi



Precision Agriculture for Reducing Resource Waste

Drones and sensors powered by AI can analyze pest infestations



Kisan
Kart

DeHaat[®]
Seeds to Market



Marketmirchi.com



Market Access

AI-driven platforms can connect farmers directly to markets



Market Access

AI-driven platforms can reduce dependency on intermediaries

Krish-e

JioKrishi



Hi, User

Please select your preferred language

English

Tamil



Products		Search	Filter
Products		Add Product	
Vegetable	Potato	₹24	₹15
	Potato	Price Status: Approved	<button>Update Price</button>
	1kg		<button>Add Stock</button>
Vegetable	Onion	₹28	₹14
	Onion	Price Status: Rejected	<button>Update Price</button>
	1kg		<button>Add Stock</button>
Vegetable	Ladies' Finger	₹38	₹28
	Ladies' Finger	Price Status: Approved	<button>Update Price</button>
	1kg		<button>Add Stock</button>
Fruit	Pomegranate	₹110	₹99
	Pomegranate	Price Status: Approved	<button>Update Price</button>
	1kg		<button>Add Stock</button>



Market Access

AI-driven platforms can ensure better pricing

AI-powered Crop Diagnosis Tools

Apps like Microsoft's AI Sowing App in collaboration with ICRISAT send farmers timely advisories about sowing, fertilization, and irrigation using weather and soil data.





plantix



Pest Detection

AI tools like Plantix help farmers identify pest infestations and suggest remedies via smartphone cameras.



Yield Prediction

AI models can analyze satellite imagery to predict crop yields, helping farmers plan better and aiding governments in procurement planning.

eNAM (National Agriculture Market)

AI is used to optimize prices and connect farmers to buyers across India.



A screenshot of the eNAM trader dashboard. At the top left is a small profile picture of a person. Next to it is the text "National Agriculture Market". On the far right is a small "eNAM" logo. The main area is titled "Trader" and shows the name "(NIZAMABAD TRADER B)". Below this is a vertical menu with eight items: "Bidding", "Winner List", "My Bid(s) History", "Pending Invoices", "Gate Entry", "Advance Demand", "Feedback", and "Logout". The background of the dashboard features a large grayscale photograph of a group of men in traditional Indian attire sitting on the ground and looking at laptops, similar to the one on the registration page.

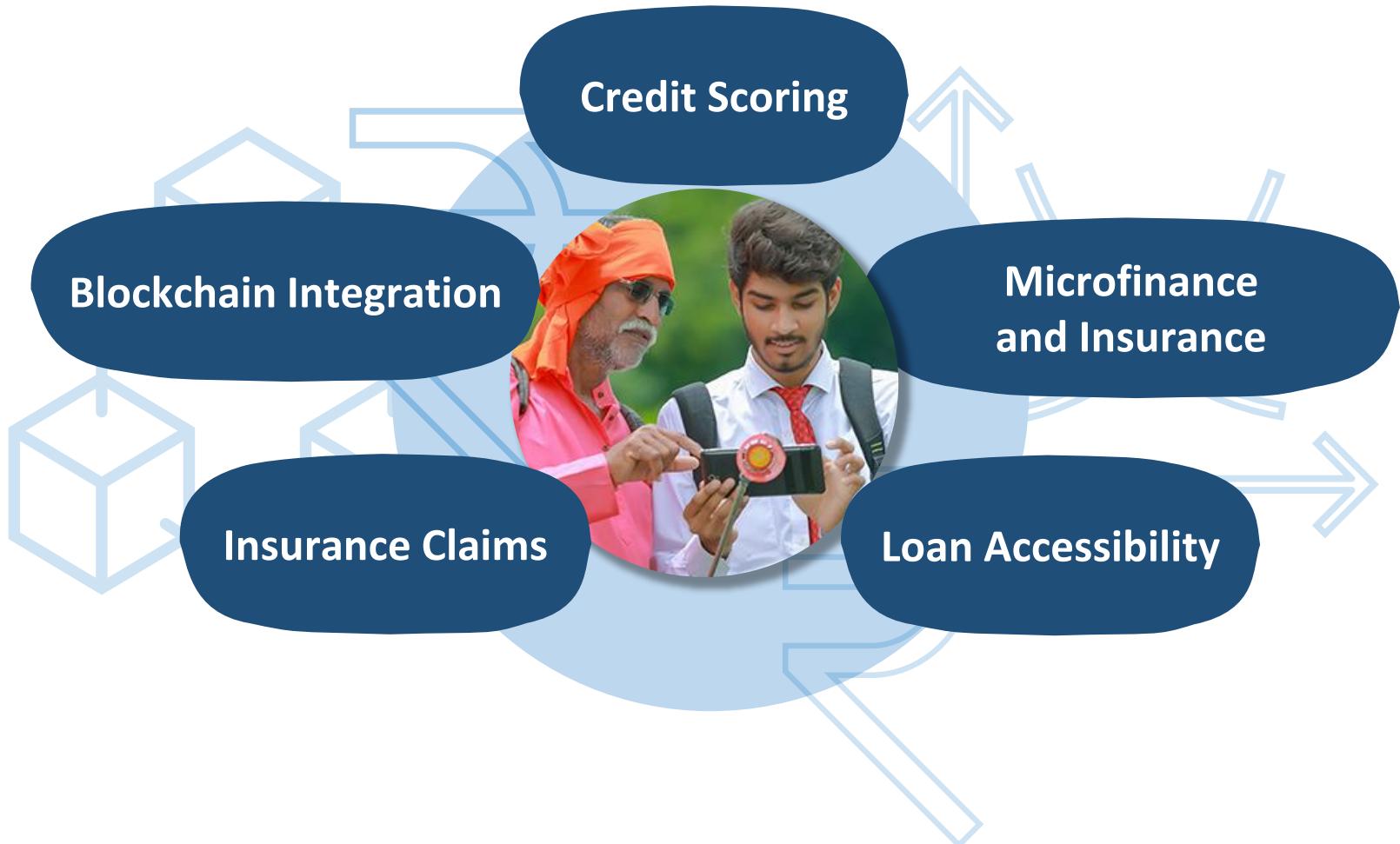
2

Financial Inclusion

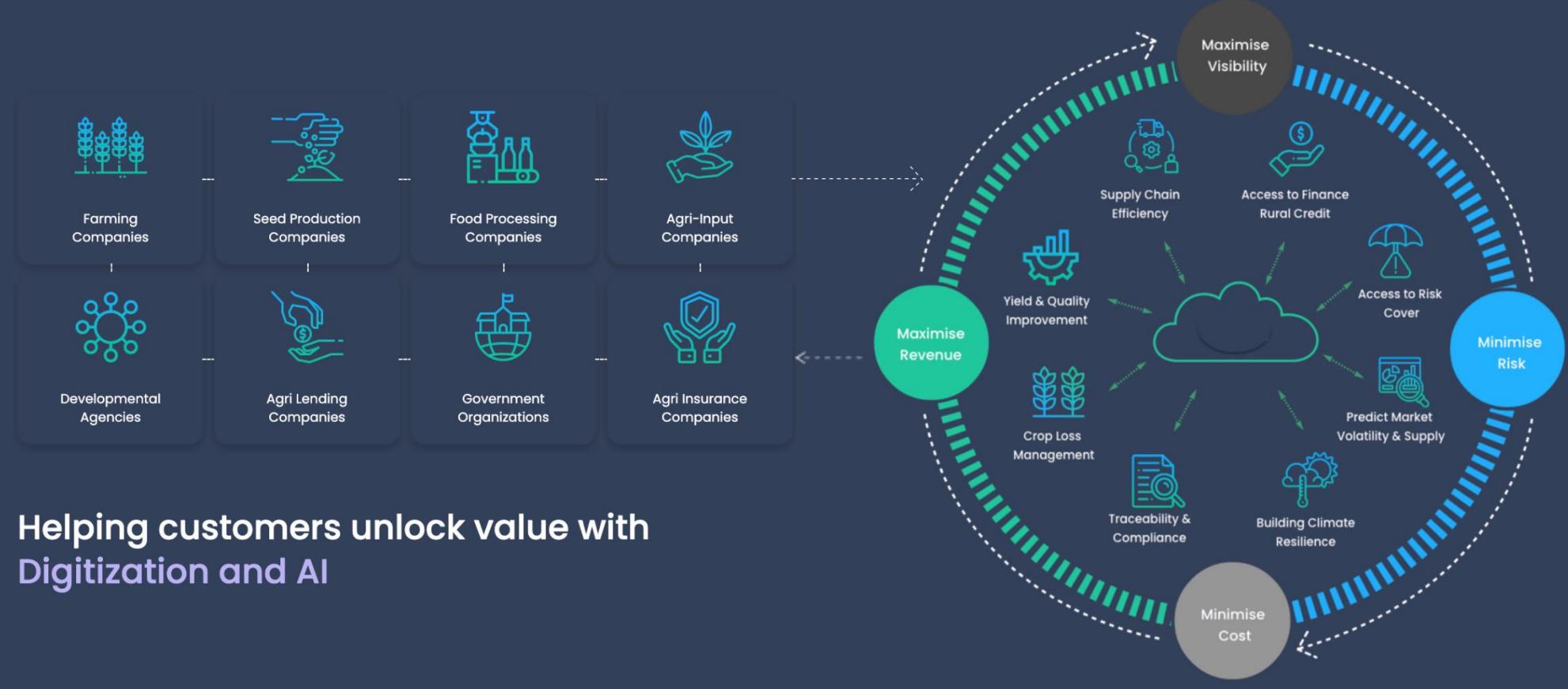
How AI can be used for advancement of economy of Indian rural society?



Financial Inclusion



AI for Economic Advancement of Rural Societies



Credit Scoring

AI algorithms can use non-traditional data to assess the creditworthiness of farmers and rural entrepreneurs



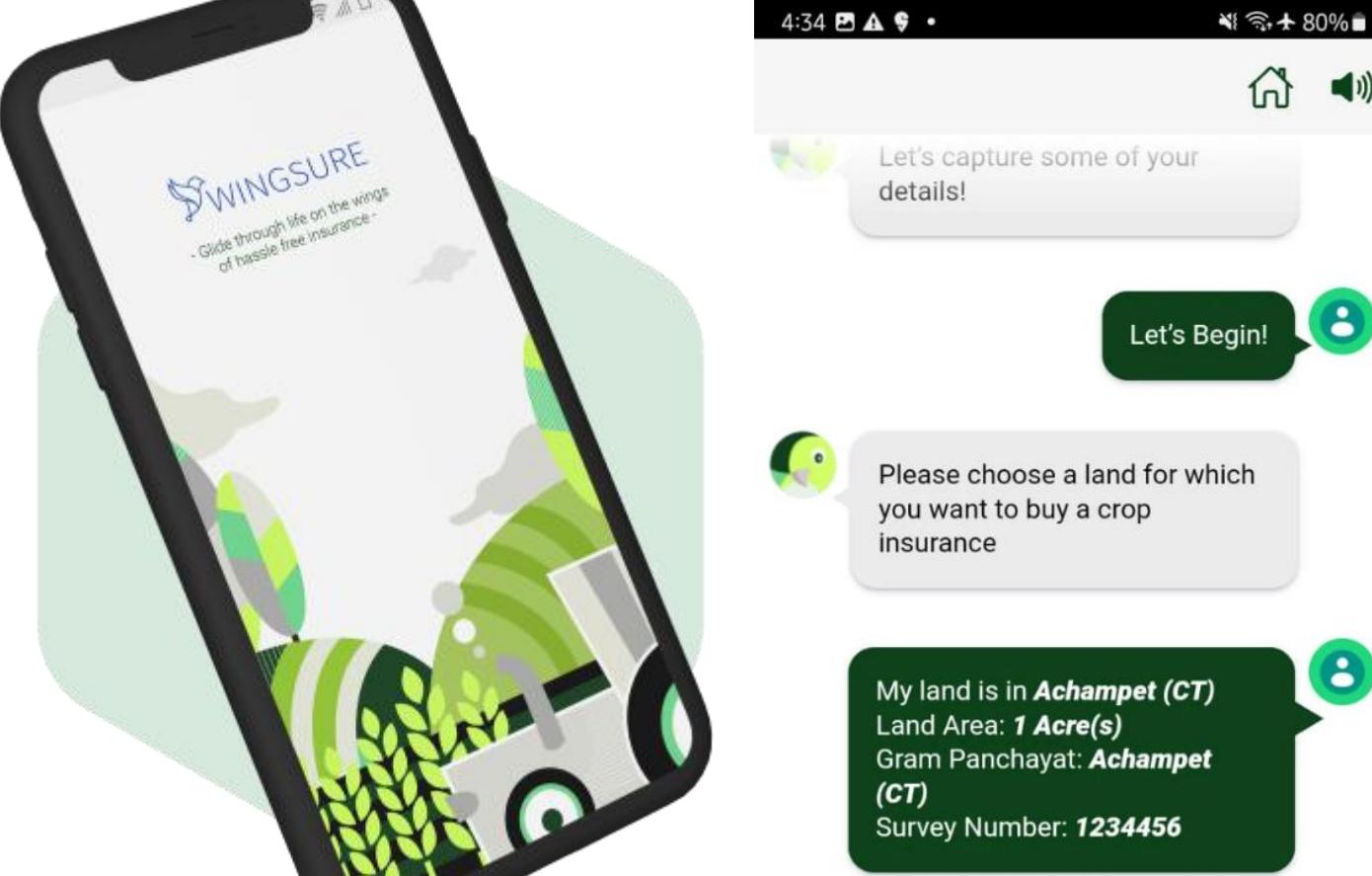
Jai Kisan Farmer



Credit Scoring

AI algorithms can use non-traditional data to enable them to access loans and financial services

TALA



Microfinance and Insurance

*AI can help design **tailored microfinance and crop insurance products based on individual needs and risks.***



Rural India's Gateway to Insurance - गाय से गाड़ी तक



Bike



Car



Crop



Livestock



Health



Re Insurance



Loan Accessibility

AI-powered platforms like GramCover use alternative credit scoring methods, assessing risk through data like crop cycles and farm size, to help farmers access loans.



Pradhan Mantri Fasal Bima Yojana



The screenshot shows the official website for the Pradhan Mantri Fasal Bima Yojana under the Ministry of Agriculture and Farmers Welfare. The top navigation bar includes links for Home, Documents, Enrollment Partners, Related Links, Reports, Dashboard, Gallery, and About Us. A callout box in the top right corner says "For capturing & sharing crop photographs at different crop stages." Below the navigation is a grid of five service cards:

- Farmer Corner**: Apply for Crop Insurance Yourself.
- Insurance Premium Calculator**: Know your insurance premium before.
- Application Status**: Know your application status on every step.
- Krishi Rakshak Portal & Helpline (KRPH)**: Tell us about your Grievances & Report loss of Crop.
- WINDS**: Weather Information Network & Data System.

To the right of the grid is a sidebar titled "CROPIC" which includes the text: "Collection of Real-time Observations and Photographs of Crops", "Crop Health Monitoring & Crop Loss Assessment", and "Crop Photographs".

Insurance Claims

AI tools streamline the claim process for crop insurance by analyzing satellite data to assess damage without requiring manual surveys.



Blockchain Integration

AI and blockchain combined can create secure digital identities for rural residents, enabling access to financial services without traditional documentation.

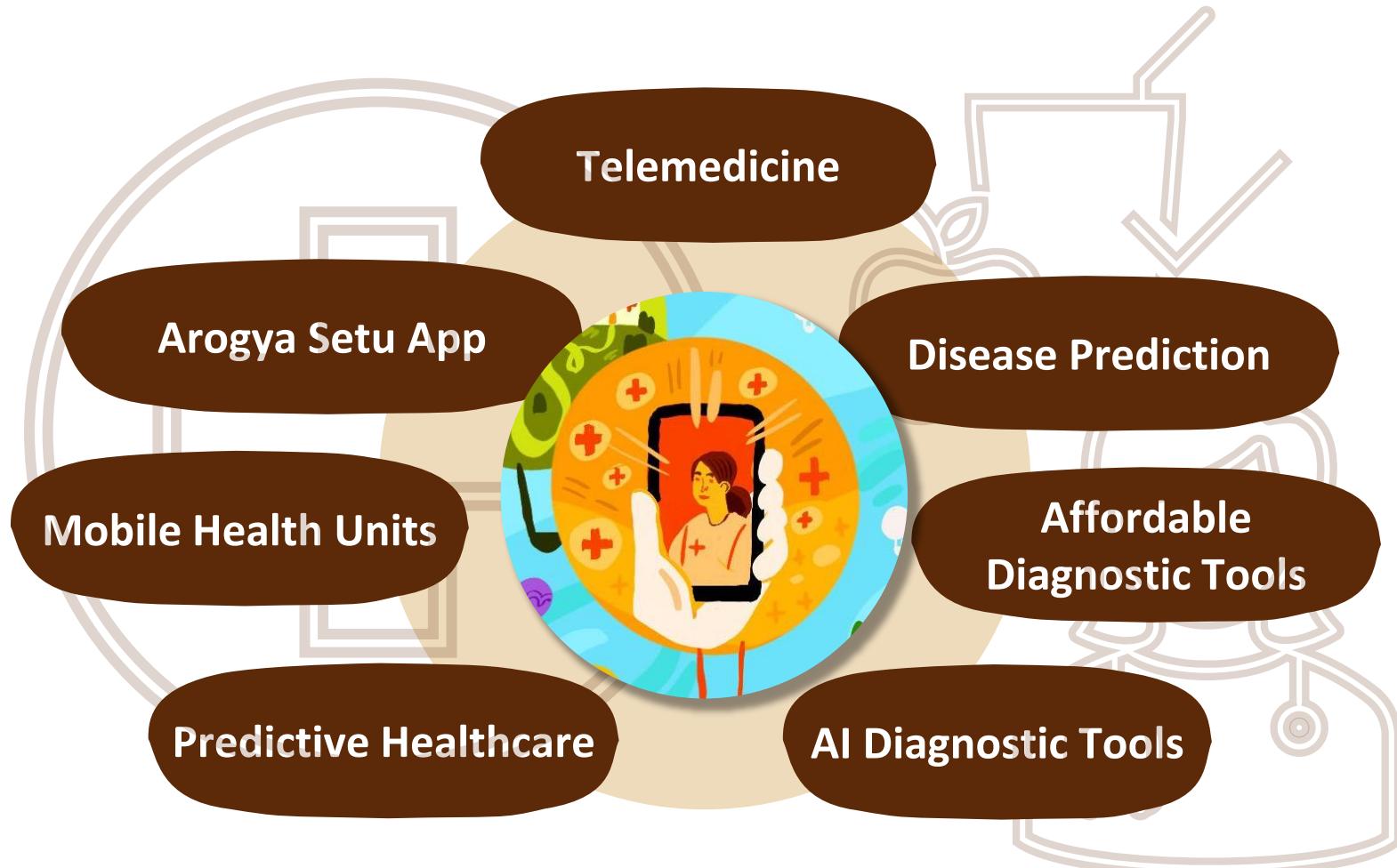


3

Healthcare Accessibility

AI for Economic Advancement of Rural Societies

Healthcare Accessibility





Telemedicine

AI-driven platforms can facilitate remote consultations, diagnosis, and treatment plans, bridging the gap between urban healthcare facilities and rural patients.

AI Severity Score



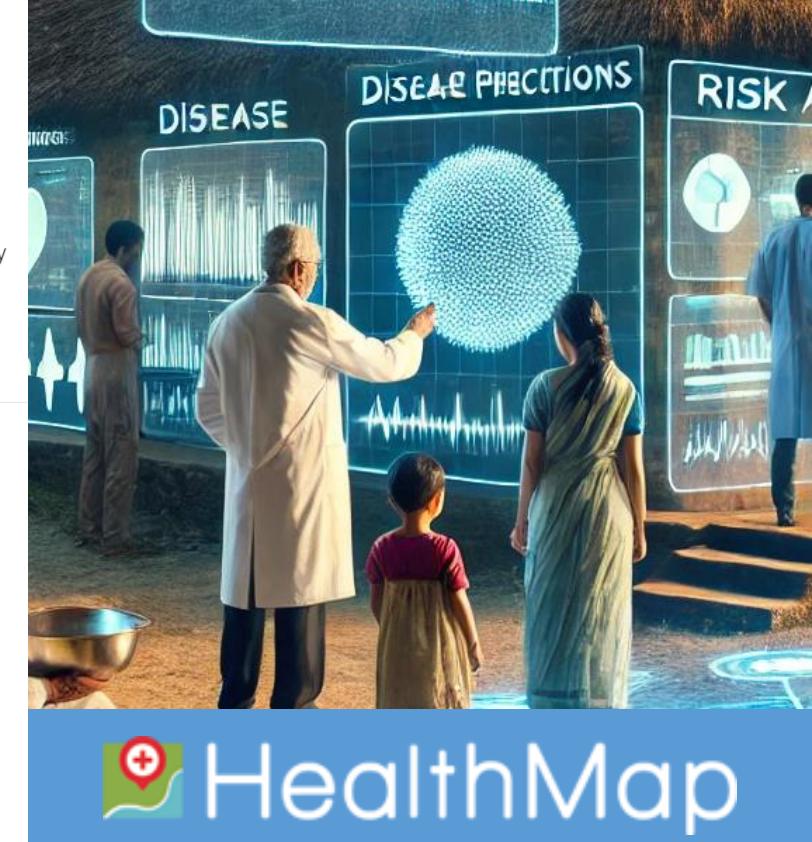
Severity 4 - Mortality

Likelihood of Severe Clinical Events

98%
Ventilator use

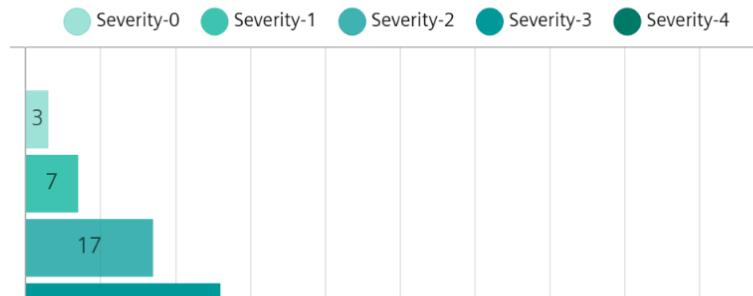
93%
End Organ Damage

92%
In Hospital 30 Day Mortality



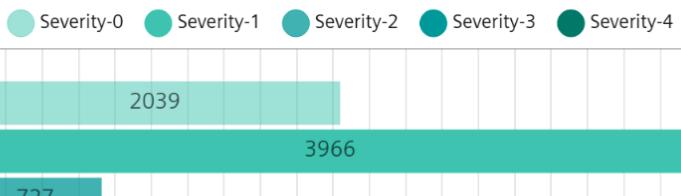
SIEMENS
Healthineers

Percentage Distribution of Similar Patients by Severity



Cohort Severity Distribution

Patients in Cohort: 8427



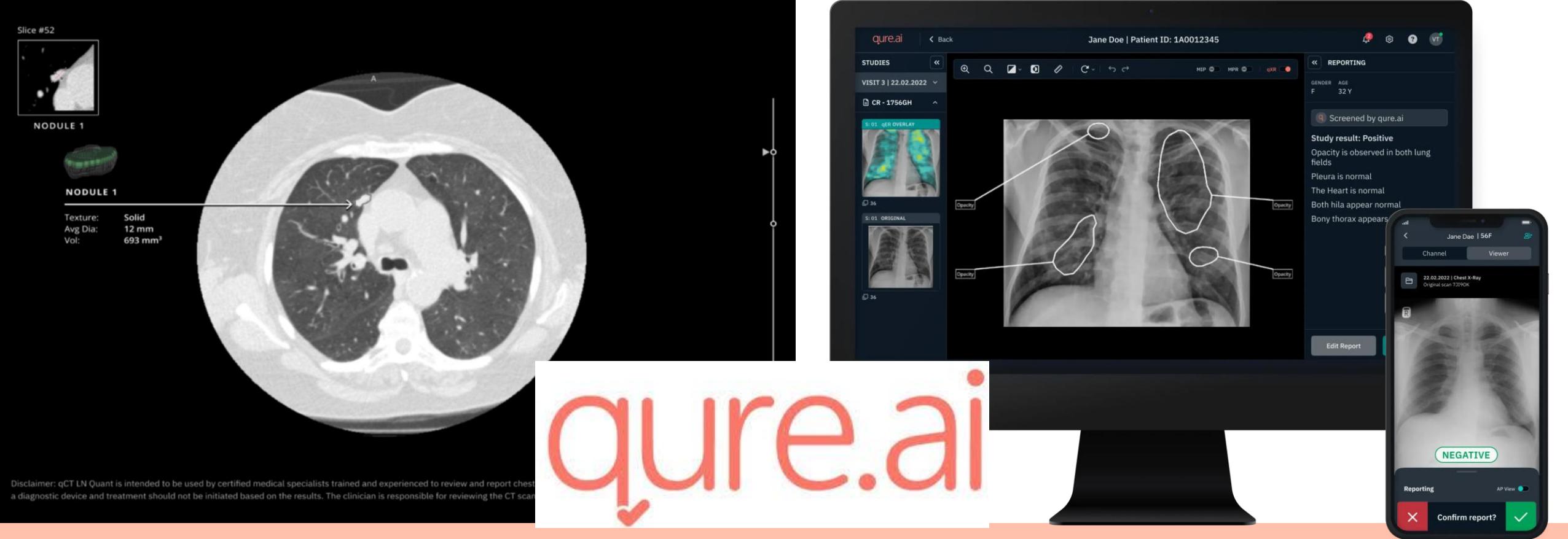
Disease Prediction

AI can analyze health data to predict outbreaks of diseases and recommend preventive measures.



Affordable Diagnostic Tools

AI-powered low-cost diagnostic tools can detect diseases like malaria or tuberculosis in rural settings.



quare.ai

AI Diagnostic Tools

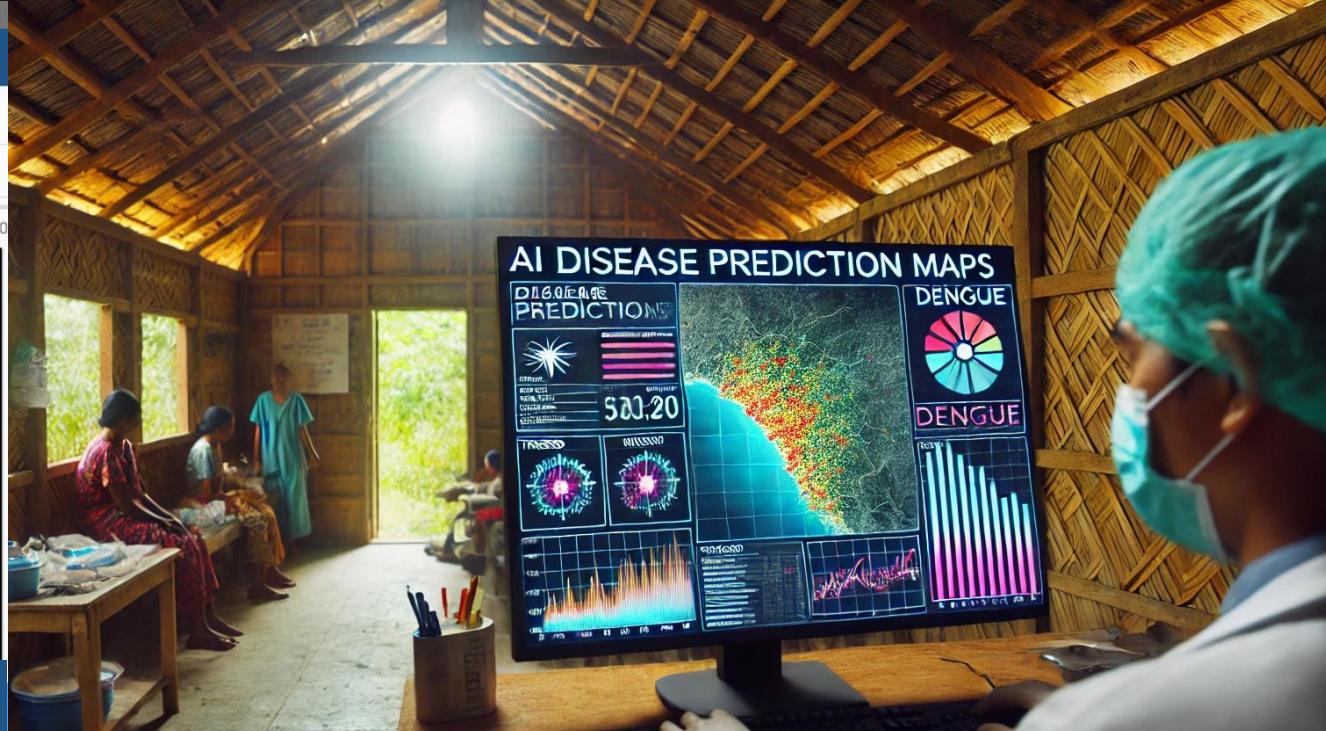
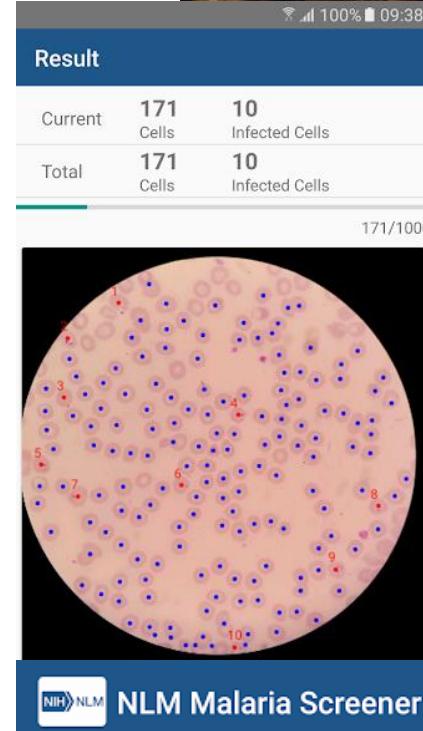
Tools like the X-ray-based diagnostic platform Qure.ai help detect conditions like tuberculosis, prevalent in rural areas.



IHME

Malaria Risk Map

merATIVE



Predictive Healthcare

AI algorithms can analyze health trends to predict disease outbreaks such as dengue or malaria, allowing for timely interventions.



ZIQITZA
HEALTHCARE
LIMITED

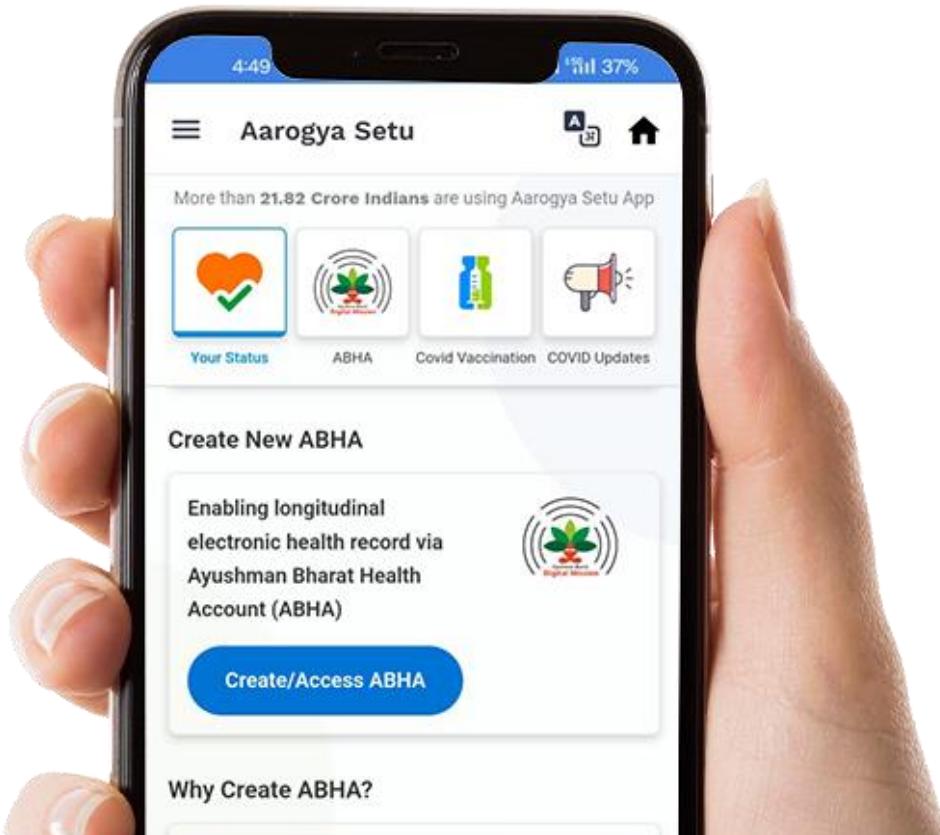


Mobile Health Units

AI-enabled mobile units like ECHO use telemedicine and AI to deliver specialist consultations to remote villages.



Aarogya Setu NIC eGov Mobile Apps



Arogya Setu App

AI-driven health tracking was crucial during the COVID-19 pandemic for rural health surveillance.

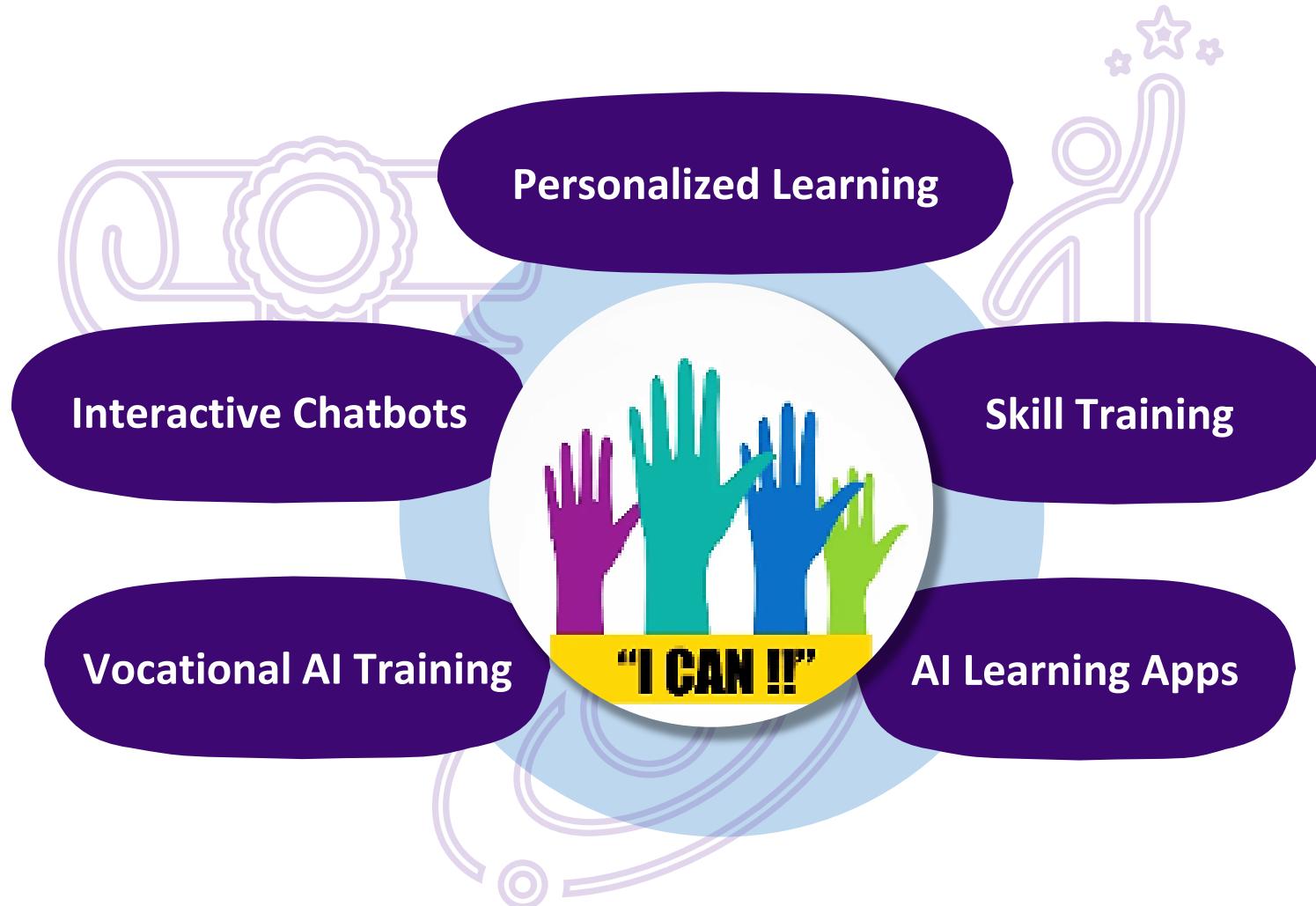


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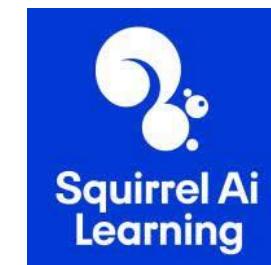
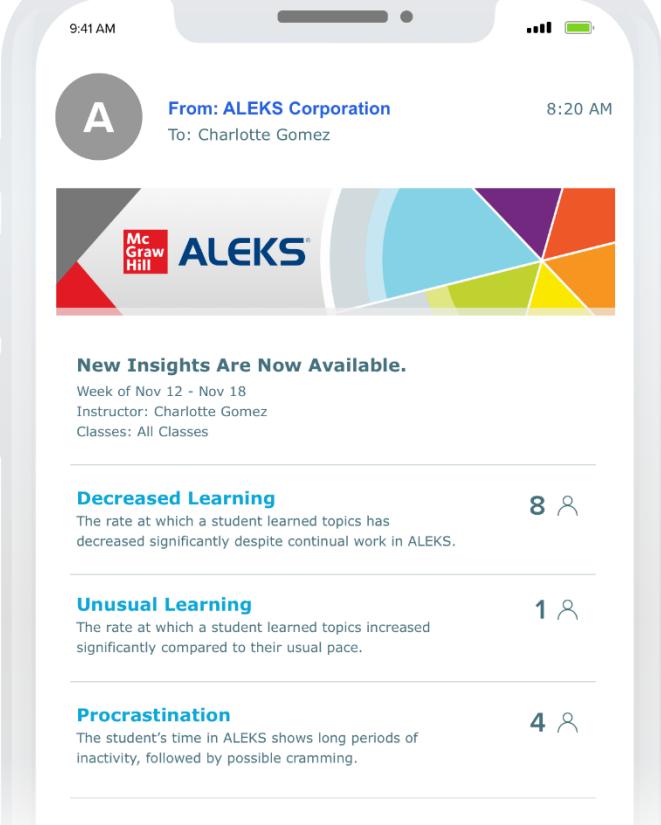
Education and Skill Development

AI for Economic Advancement of Rural Societies

Education and Skill Development

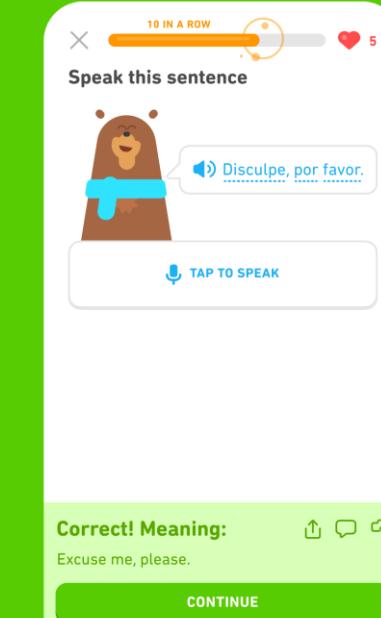


AI for Economic Advancement of Rural Societies

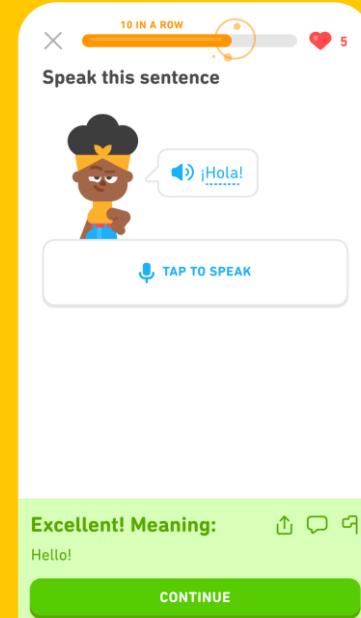


all-subject Large Adaptive Model

easy-to-follow
reading, speaking,
and listening lessons



speak and
hear the
language



Personalized Learning

AI-based apps can offer customized learning experiences in local languages, addressing diverse literacy levels.

- AI
- Cloud computing
- Coding & development
- Communication
- Data & analytics
- Design
- Digital marketing
- Digital wellbeing
- Diversity
- Expand internationally
- Job search
- Online safety
- Productivity
- Sell online
- Sustainability

Google Digital Garage

AI Essentials
Learn from AI experts at Google and get in-demand skills to boost your productivity and use AI in the real world. Zero experience required.

Google Ads
AI Essentials for Google Ads
Tips to drive new customer connections, build high-quality creative, and make confident decisions with AI.

Craftsy

Class Access

- Premium Member Access
- Free
- Gold Member Access

Categories

- Baking
- Cake Decorating
- Cooking
- Crocheting
- Drawing
- Dvd Class
- Embroidery
- Fitness
- Free Classes
- Fun For Kids
- Gardening
- Home Decor
- It's Sew Easy
- Jewelry Making

BOLD BAKING ACADEMY: PRESERVING FRUIT
Class by Gemma Stafford

BOLD BAKING ACADEMY: CLASSIC FRENCH DESSERTS
Class by Gemma Stafford

NEW
Quick Sketching
Class by Gerardo Escamilla

NEW
Storyboarding
Class by Gerardo Escamilla

solar edge

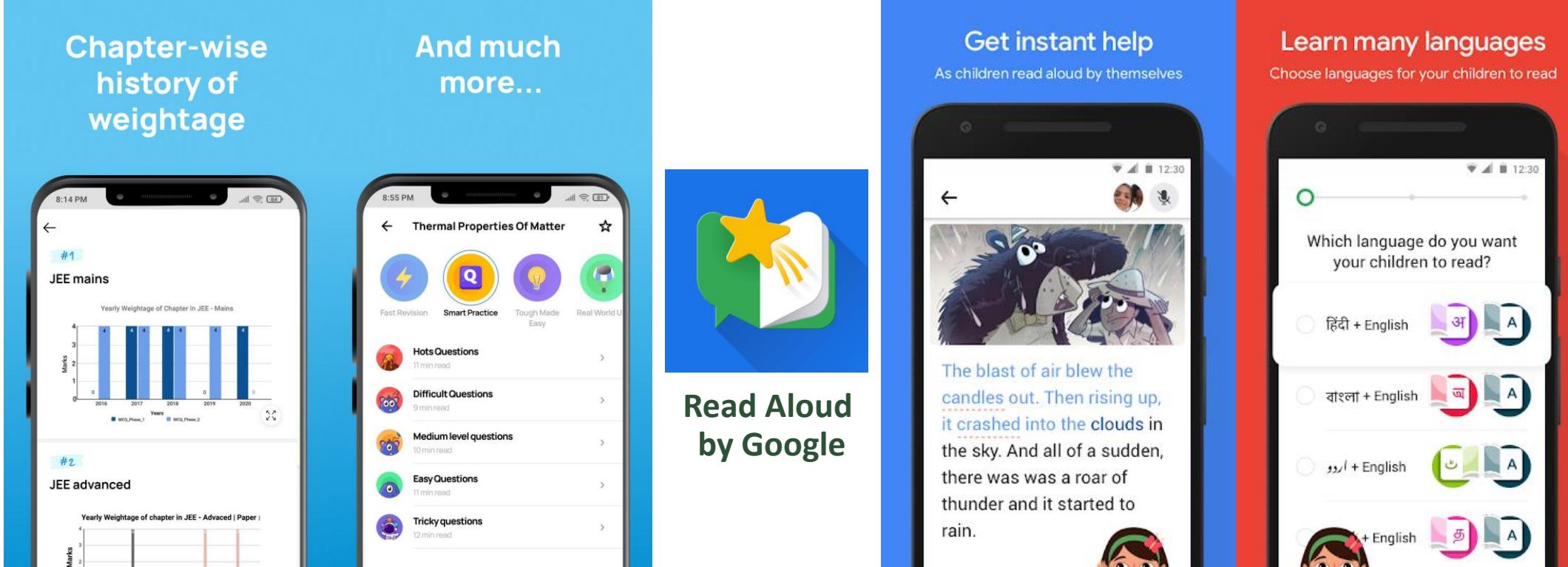
SUNGROW
Clean power for all

Plant Name 01
EV Charger
Energy Analysis
Production (kWh) 40.00
Consumption (kWh) 9.22
Earnings (EUR) 2.46
Overall CO₂ Reduction 75%
Weather

Plant Name 02
Device with Problem: 2
Daily Yield: 7.24 kWh
Daily Charge: --
Daily Discharge: --
Daily Energy Consumption: --

Skill Training

AI platforms can provide vocational training in emerging areas like solar panel installation, handicrafts, or digital marketing, enhancing employability.



AI Learning Apps

Platforms like Read Aloud by Google adapt to students' individual learning levels and offer multilingual education tailored for rural students.

Filter by

Results for "basic AI Coding in Marathi, Hindi"

Sort by: Best Match ✓



Skill India
कौशल भारत - कुशल भारत

Subject

- Business (1,220)
- Computer Science (794)
- Data Science (617)
- Health (529)

[Show 7 more](#)

Language ⓘ

- Hindi (4,820)
- English (10,395)

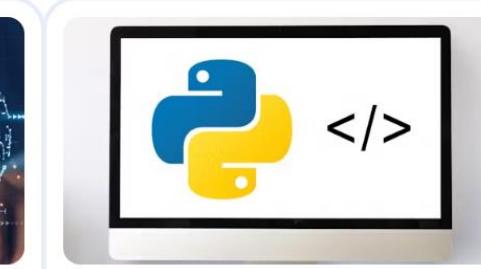
Language: Hindi ×

[Clear all](#)



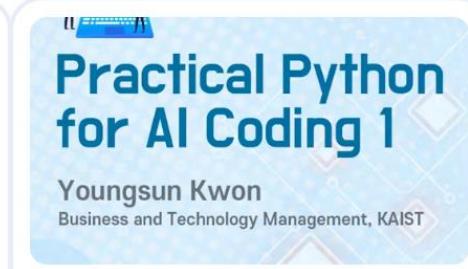
IBM

Introduction to Artificial
Intelligence (AI)



IBM

Developing AI Applications
with Python and Flask



Practical Python for AI Coding 1

Youngsun Kwon

Business and Technology Management, KAIST

KAIST

Korea Advanced Institute...

Practical Python for AI
Coding 1

Vocational AI Training

AI-powered platforms such as Coursera and Skill India offer affordable courses in fields like tailoring, renewable energy systems, and basic AI coding, available in local languages.



Hi , how can I view the exam schedule?

5:10 PM

Hello! I'll give you a link for your upcoming exams. Share your student ID, please.

5:10 PM

Sure, my student ID is 123456.

5:10 PM

Thank you! Please click on the following link to view your exam schedule: exam-schedule-link.com/123456.

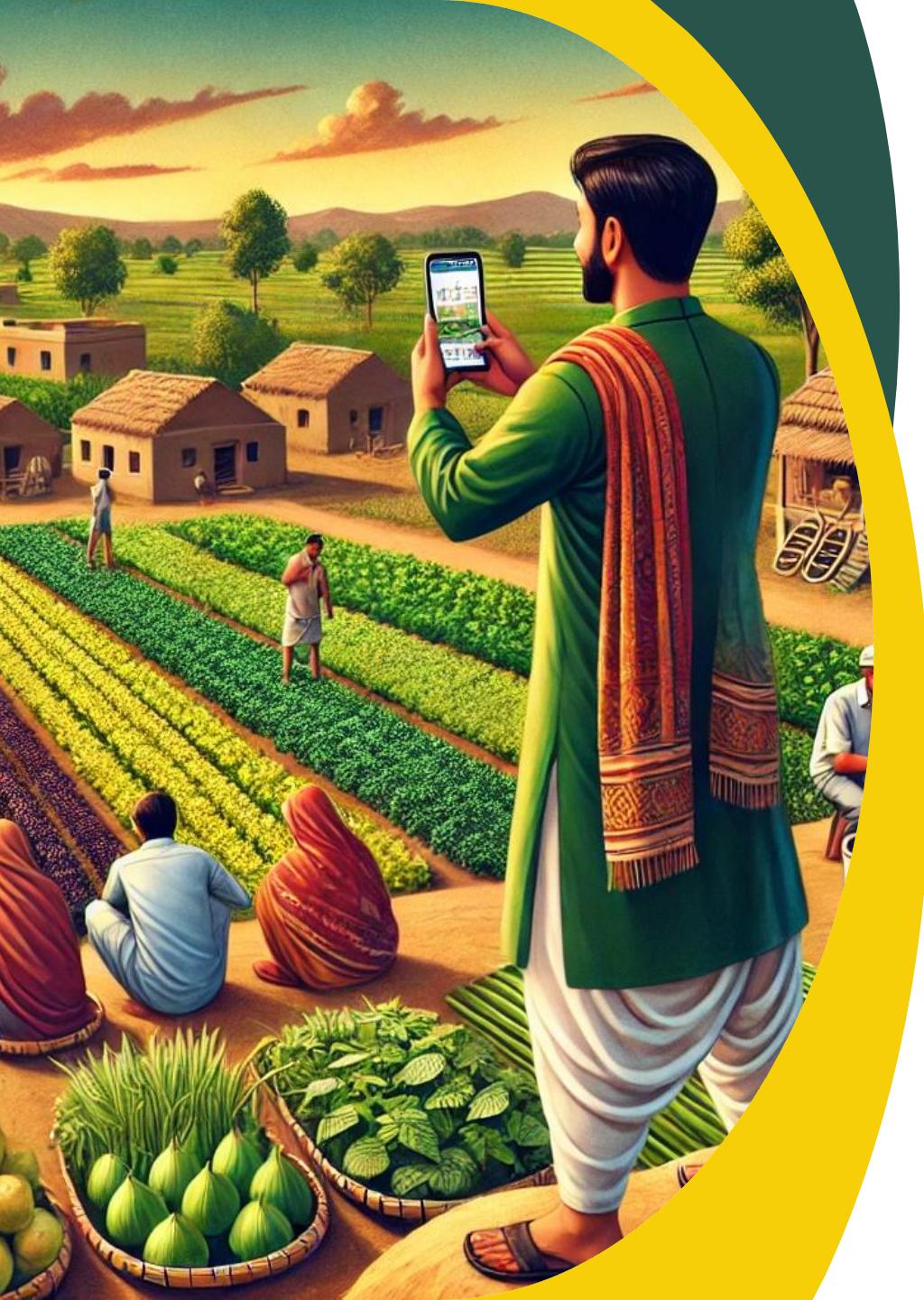
5:20 PM

Great, thanks!

5:20 PM

Interactive Chatbots

Tools like WhatsApp-based EdTech Chatbots provide instant doubt resolution and mentoring.

A circular inset image on the left side of the slide depicts a man in traditional Indian attire (green kurta and white dhoti) standing in a rural landscape. He is holding a smartphone, which displays a digital interface, possibly related to e-commerce or agriculture. The background shows lush green fields, small mud-brick houses, and other people engaged in daily activities. The overall theme is the integration of traditional life with modern technology.

5

Rural E-Commerce and Employment

AI for Economic Advancement of Rural Societies

Rural E-Commerce and Employment



AI for Economic Advancement of Rural Societies

CSC Kisan e-Mart

A unique platform to help farmers sell their produce directly through CSC



Flipkart search for products, brands and more Login Become a Seller More Cart

Electronics TVs & Appliances Men Women Baby & Kids Home & Furniture Office, Office & More Flight Offer Zone

Ferris & Colours Earthen Cookware for Kitchen / Chembu / Clay Pot/Earthen Handi For Cooking & Serving-Organic Pre Seasoned Red with Lid Handi 2 L with Lid [Earthenware]

₹891 ₹1000 20% off

Offer valid till 2 APR Available offers

Bank Offer 15% Instant Cashback on Upfront Axis Bank Credit Card TEC

Enter Delivery Period Check Order Details

Delivery Delivery by 8 Dec, Sunday Free Shipping Standard delivery ₹19.40

Color Orange

Capacity 2 L

Highlights Made of Earthenware, Traditional

Services Cash on Delivery available



CSC Grameen
eStore

CSC Grameen eStore
Customer App



CSC Grameen eStore
Distributor

CSC Grameen eStore
Distributor App



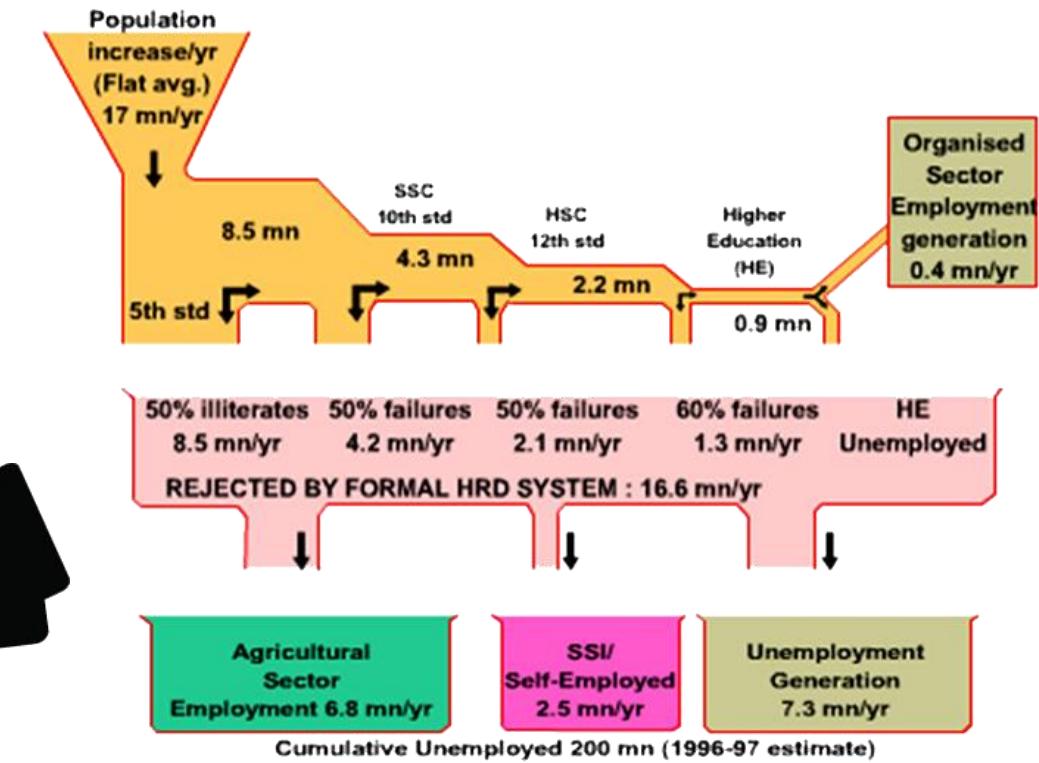
CSC Grameen eStore
Delivery

CSC Grameen eStore
Delivery App

Marketplace Integration

AI can help rural artisans and small-scale industries sell their products through e-commerce platforms, reaching global markets.

Pick from 5 Lakh + Jobs
in your language



Job Matching

AI-powered platforms can connect rural job seekers with suitable opportunities, even outside their localities.

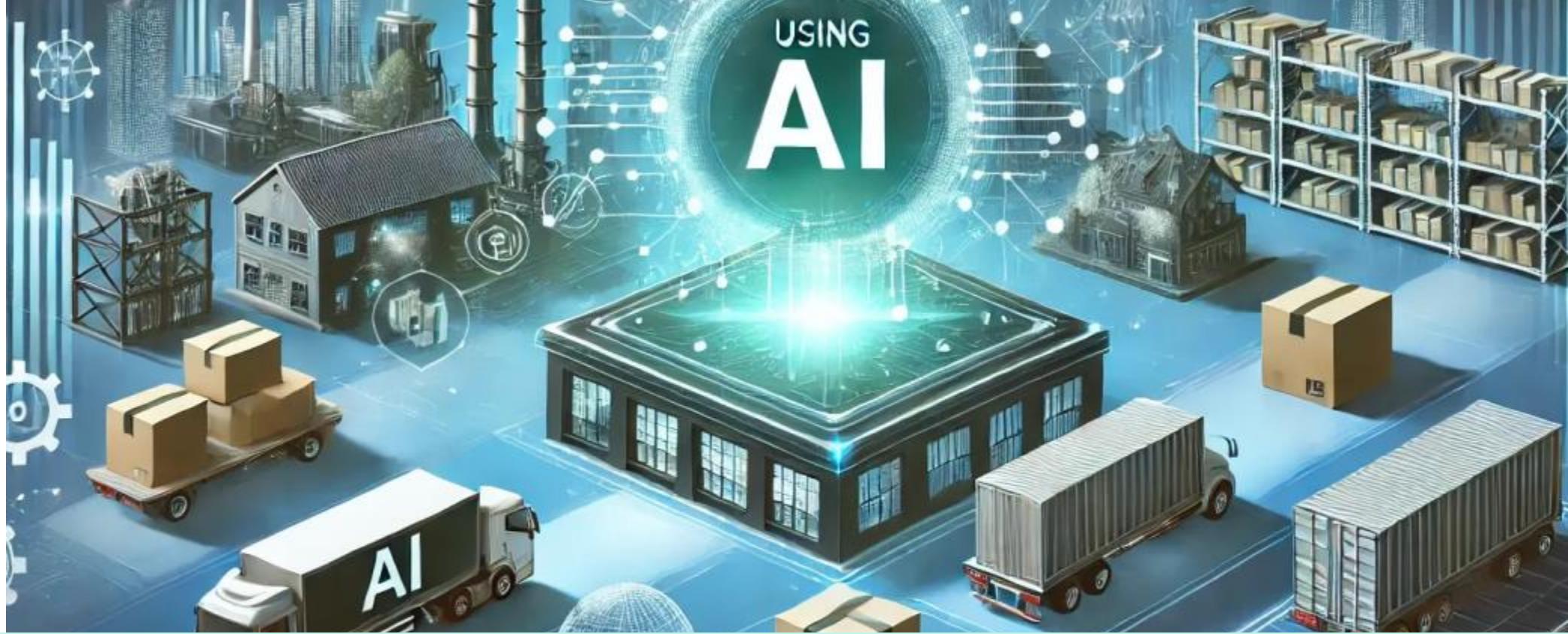
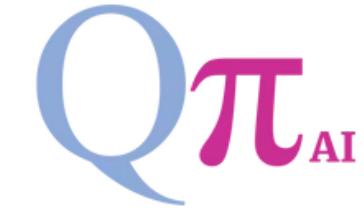


Bring Home a Part of India
Sale on 26th January 2022



AI-driven Marketplaces

Amazon Saheli and Flipkart's Samarth programs use AI to connect rural artisans and entrepreneurs with urban and global markets, helping them showcase their products.



Logistics Optimization

AI can streamline last-mile delivery in rural areas by analyzing terrain and accessibility for e-commerce orders.



JOB
hai

RESEARCH AND DEVELOPMENT



PIX4D



Drone Image Processing



Drone Assembling



Drone Components Manufacturing



Drone Reverse Engineering



Drone Hanger

COMMUNITY OUTREACH



PROJECTS



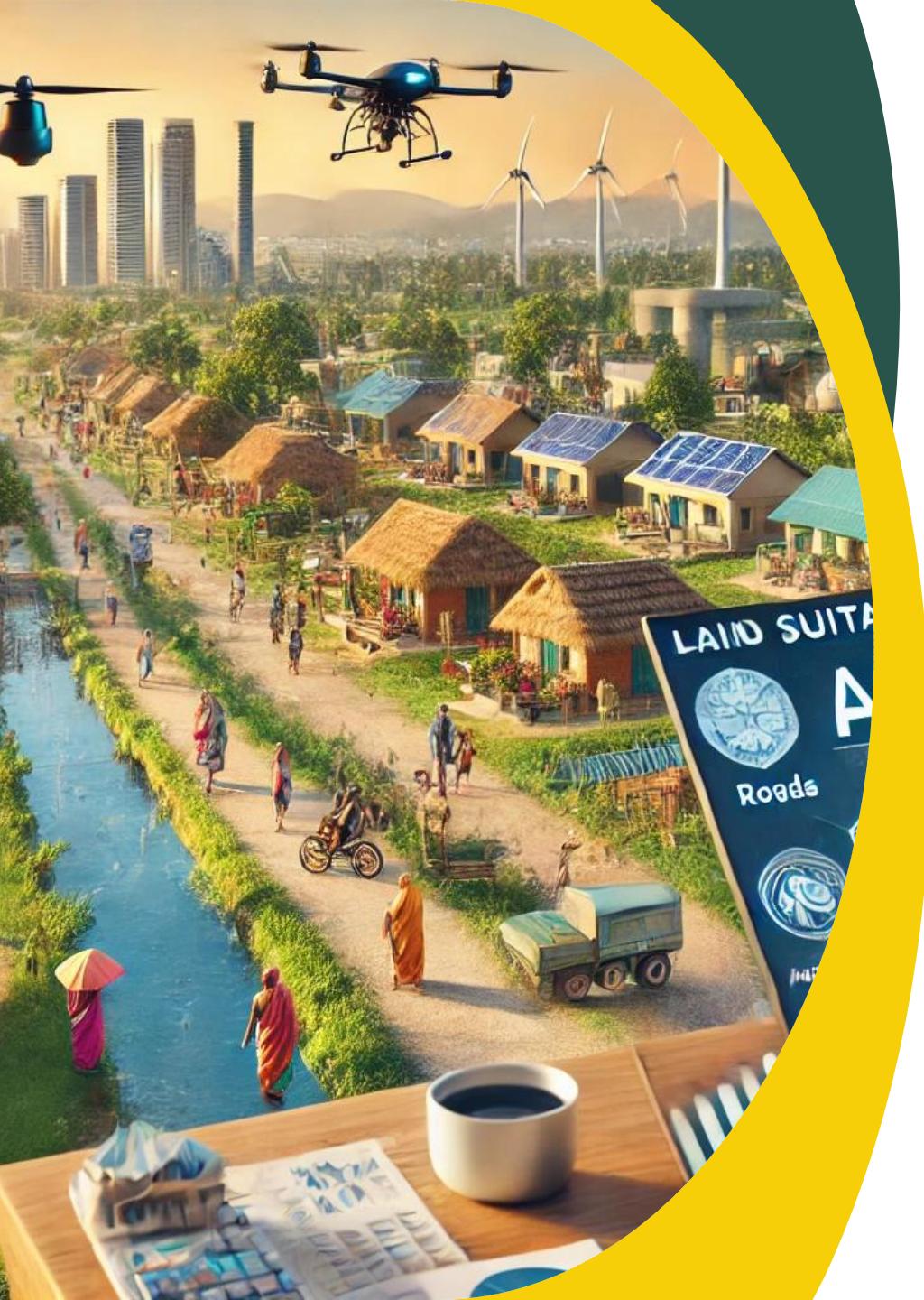
Drone Survey to Rejuvenate Water Bodies



Volumetric Analysis of Stockpiles

Job Platforms

AI tools like Gram Tarang employ predictive analytics to match rural job seekers with opportunities based on skills and proximity.

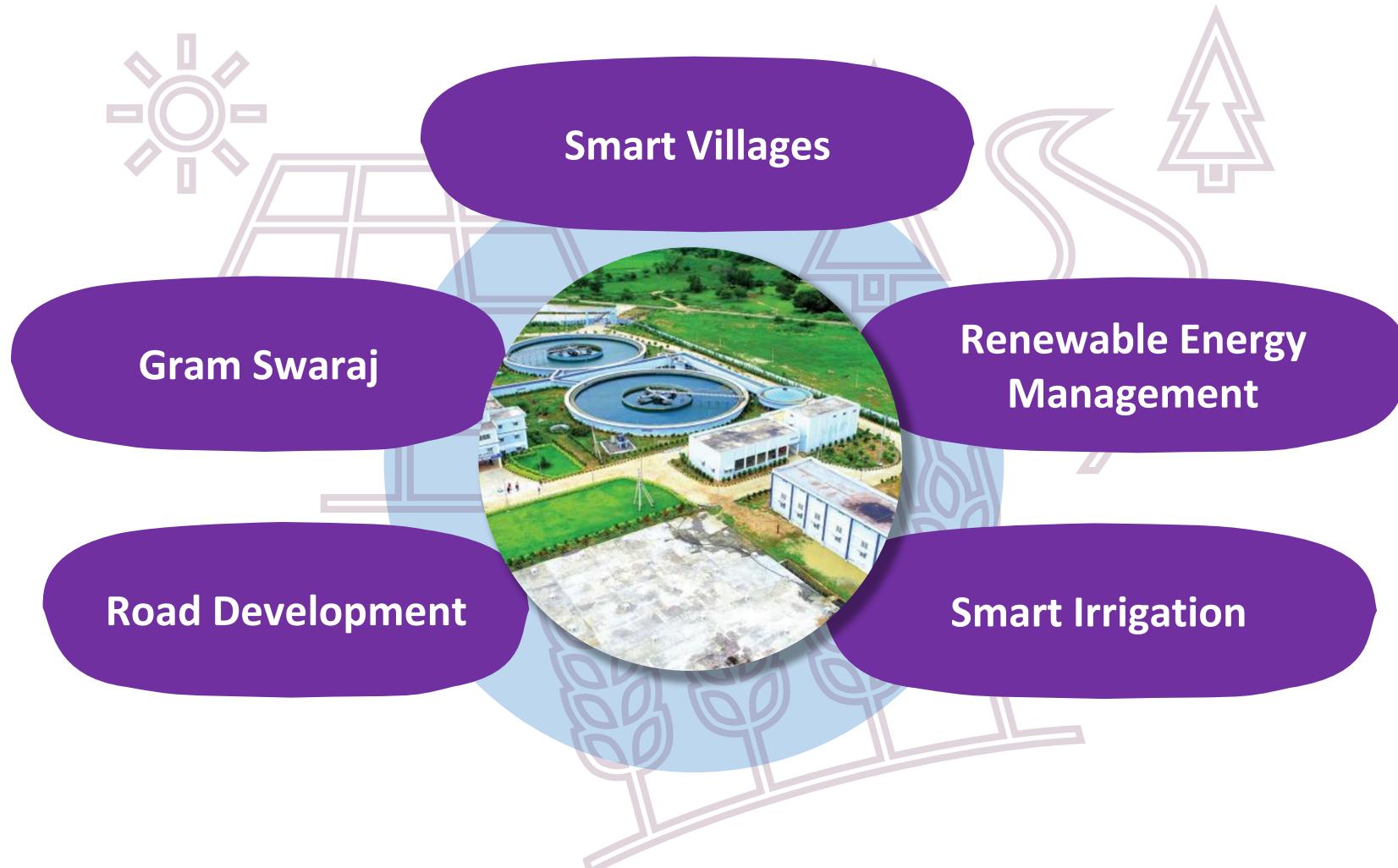


6

Infrastructure Planning

AI for Economic Advancement of Rural Societies

Infrastructure Planning



AI for Economic Advancement of Rural Societies



In Alliance with Berkeley Haas



Pilot in Shillong, Meghalaya



Health Care



Connectivity



Education



Energy



Livelihood



Agriculture



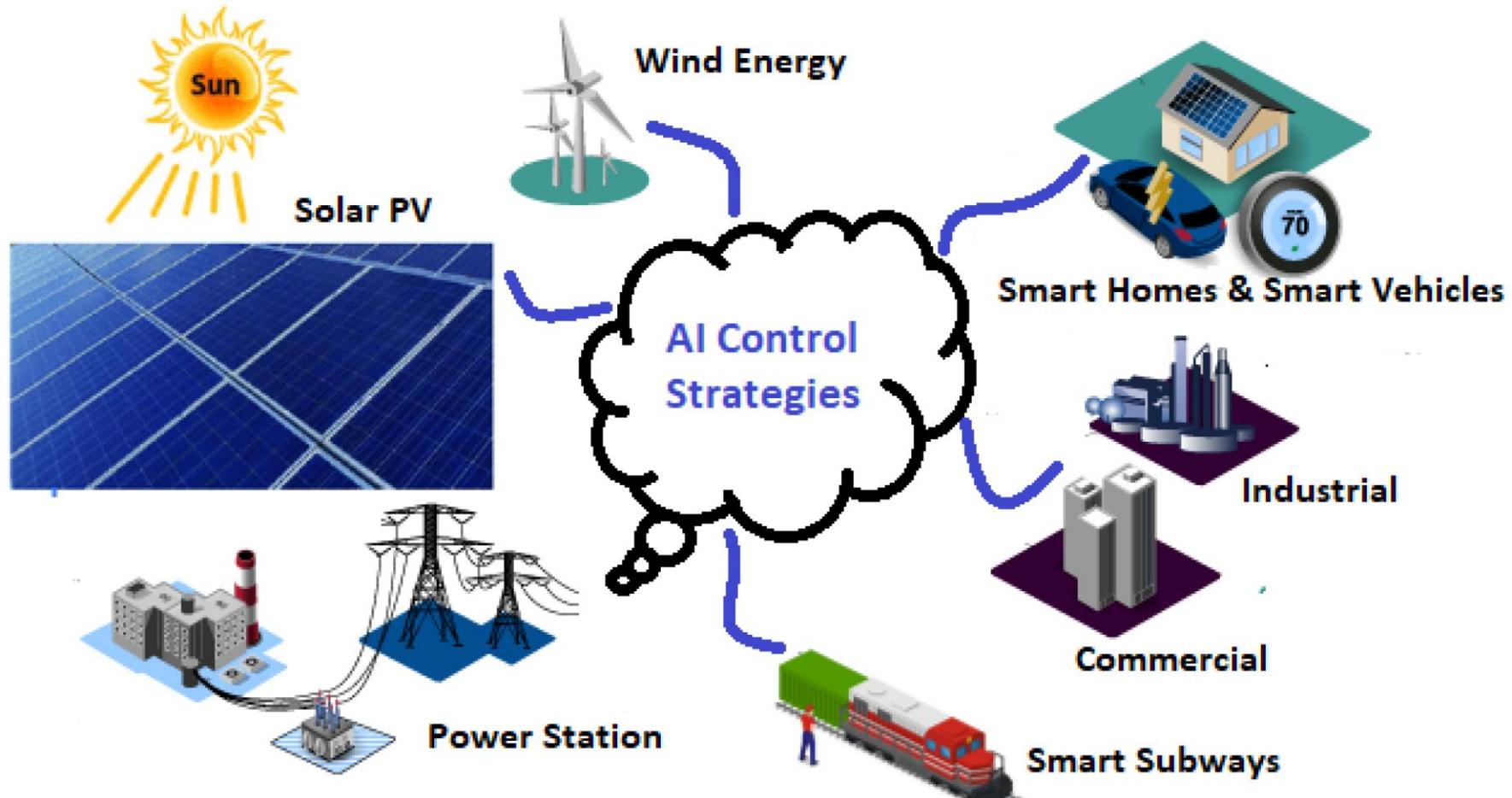
Sanitation



Water

Smart Villages

AI can assist in planning and developing rural infrastructure, including roads, water supply, and renewable energy solutions, based on predictive analytics.

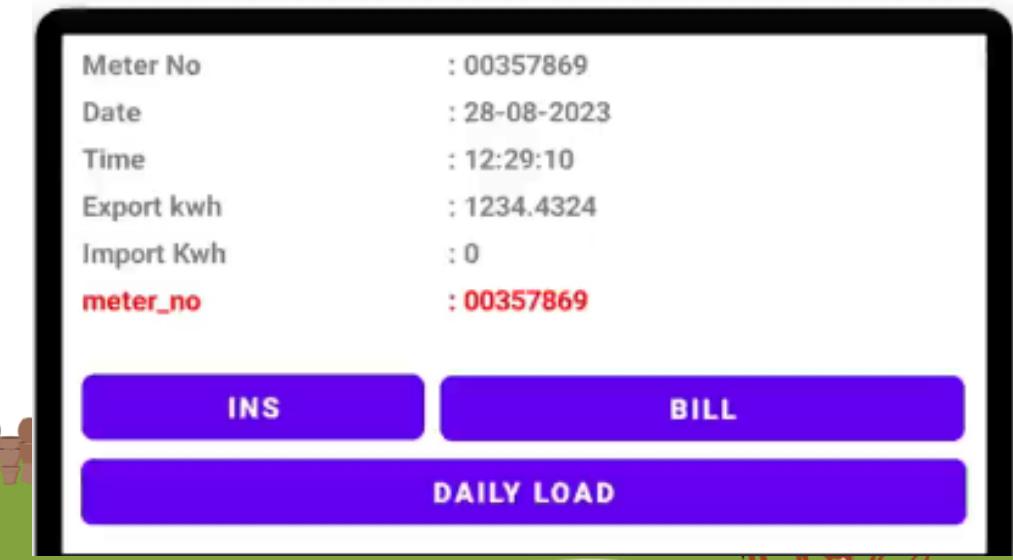


Renewable Energy Management

AI can optimize the use of solar and wind energy in rural areas.



SELCO Foundation



Renewable Energy Management

AI systems like those developed by SELCO optimize the placement of solar panels and predict maintenance schedules for microgrids in villages.



Monitor Crop Water Consumption Assessment

Optimize field water and irrigation management by monitoring real-time crop water consumption.

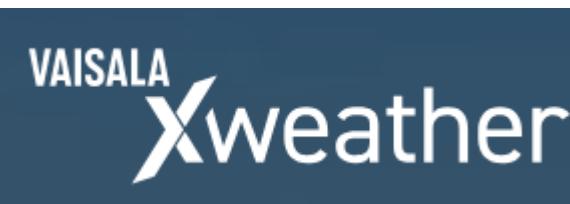
fieldMONITOR

Real-time field intelligence

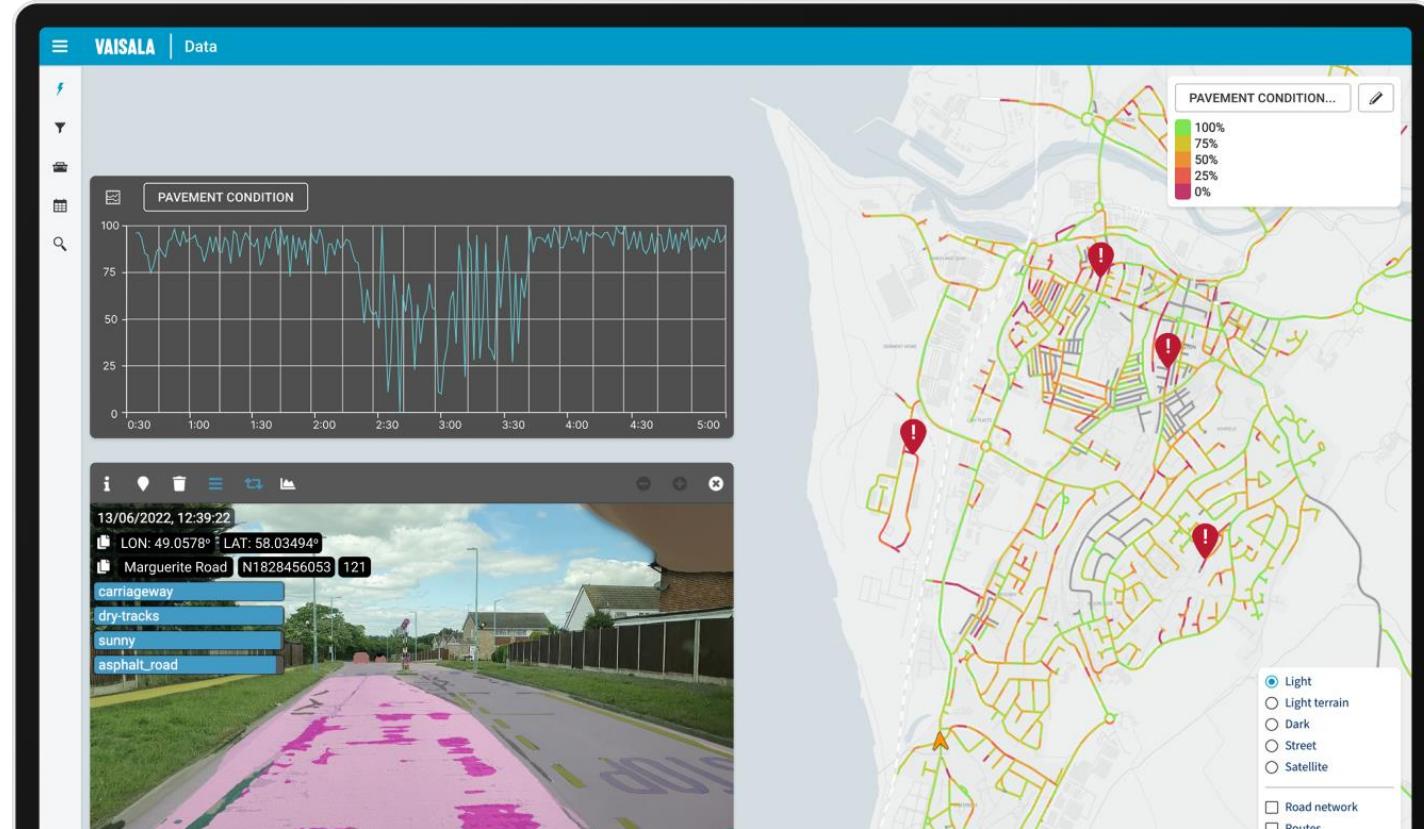


Smart Irrigation

AI platforms like AI for Earth by Microsoft optimize water usage in rural irrigation projects by monitoring soil moisture and weather conditions.

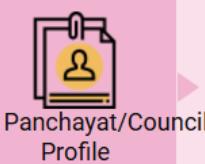


Assess road condition



Road Development

AI-driven planning tools can analyze terrain and population data to prioritize road construction in underdeveloped areas.



Panchayat/Council
Profile

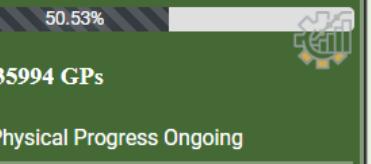
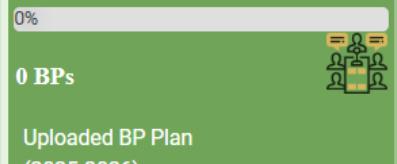
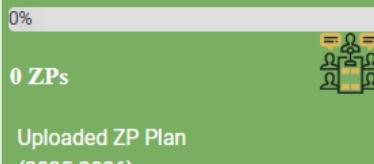


eGramSwaraj

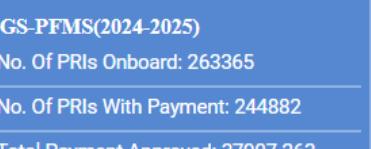
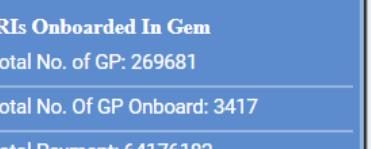
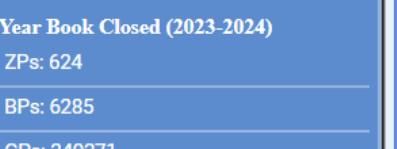
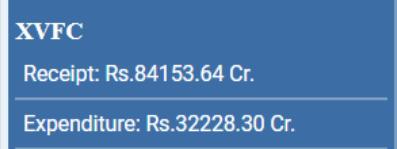
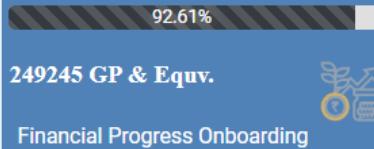
Simplified Work Based Accounting Application for Panchayati Raj



Planning &
Reporting



Accounting



Gram Swaraj

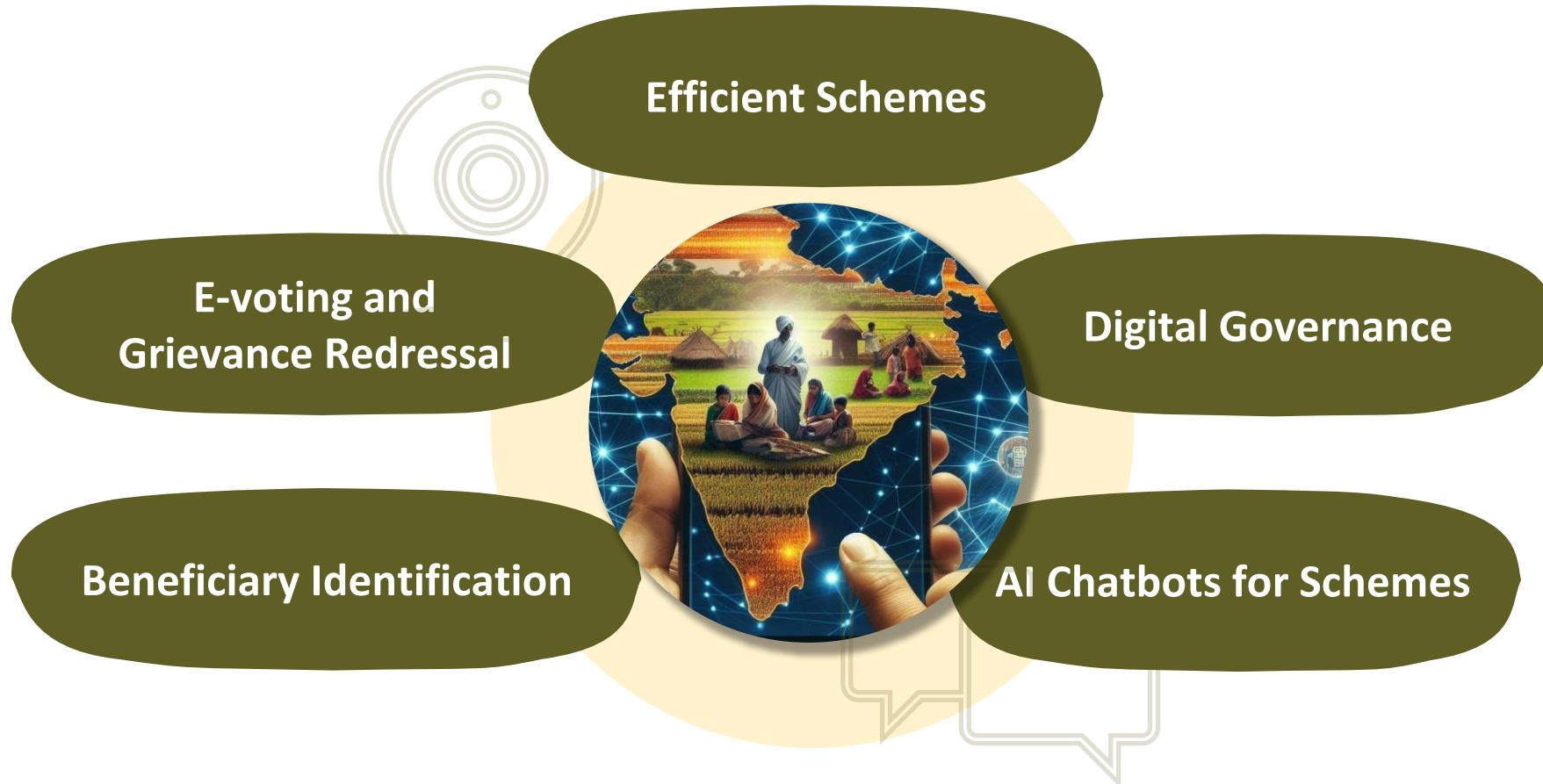
AI-based decision support systems enable panchayats to plan developmental projects based on data analytics.



7

Governance and Public Services

Infrastructure Planning



AI for Economic Advancement of Rural Societies



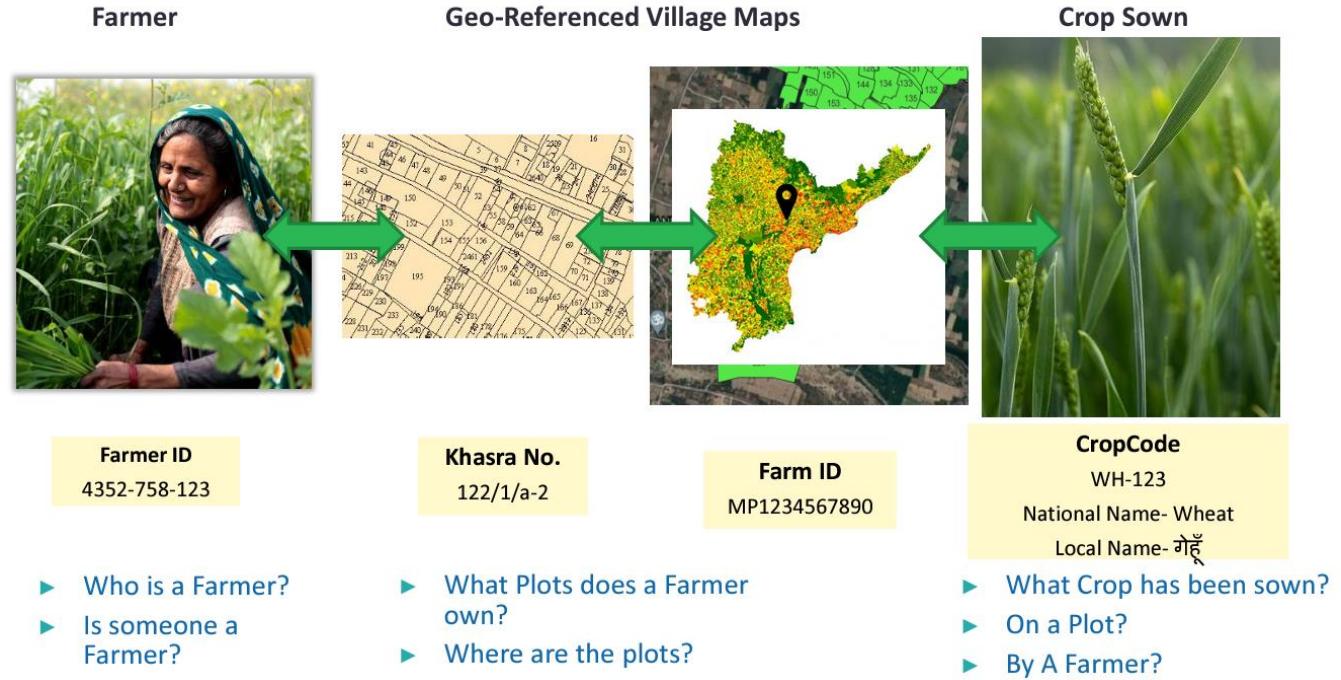
Efficient Schemes

AI can identify beneficiaries for government schemes, ensuring subsidies and services reach those who need them most.

What questions would Agri Stack answer?



Unified Farmer Service Interface (UFSI)



Digital Governance

Chatbots and AI platforms can simplify access to public services, reduce corruption, and enhance transparency.



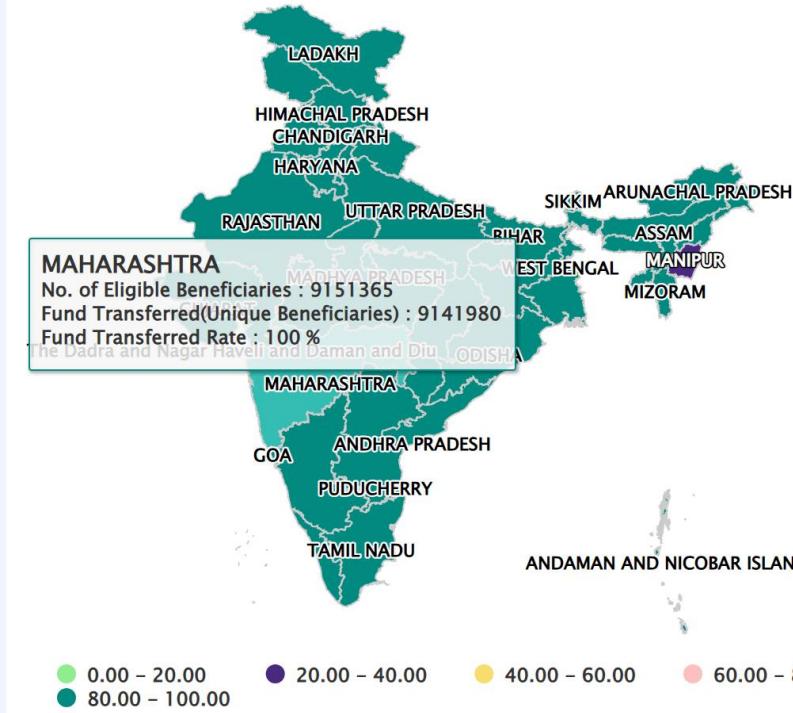
A screenshot of the Kisan e-Mitra app. At the top, it features the Indian emblem and the text "किसान e-मित्र". There are three icons: a speaker icon, a gear icon, and an information icon. Below this, there is a message in Marathi: "कृपया पीएम-किसान या किसान क्रेडिट कार्ड या प्रधानमंत्री फसल बीमा योजना से संबंधित अपने प्रश्न पूछें।" A small speaker icon is next to the message. To the right, there are three categories: "Health & Wellness" (with ABHA logo), "Education, Skills & Emp..." (with Academic Bank of Credits logo), and "General" (with Baba Saheb Bhimrao Ambedkar Awaas Yojna (BSBAAY) logo).

A screenshot of the ABHA app. It shows the ABHA logo (a stylized 'A' with a red cross and a blue circle). Below it are two categories: "Health & Wellness" (with Atal Pension Yojana logo) and "Social Security & Pensi..." (with Baba Saheb Bhimrao Ambedkar Awaas Yojna (BSBAAY) logo).



AI Chatbots for Schemes

AI bots like Umang help rural citizens access government services, from applying for ration cards to registering for subsidies, in local languages.



PM KISAN YOJANA

Empowering Shanti using

AgriStack



DIGITAL ASSETS

What I have as a farmer: My land, my crop

— Verifiable and non-repudiable

Electronic data & credentials,
Electronic signatures

DIGITAL TRANSACTIONS

What I do

Unlocking opportunities via open networks such as ONDC.

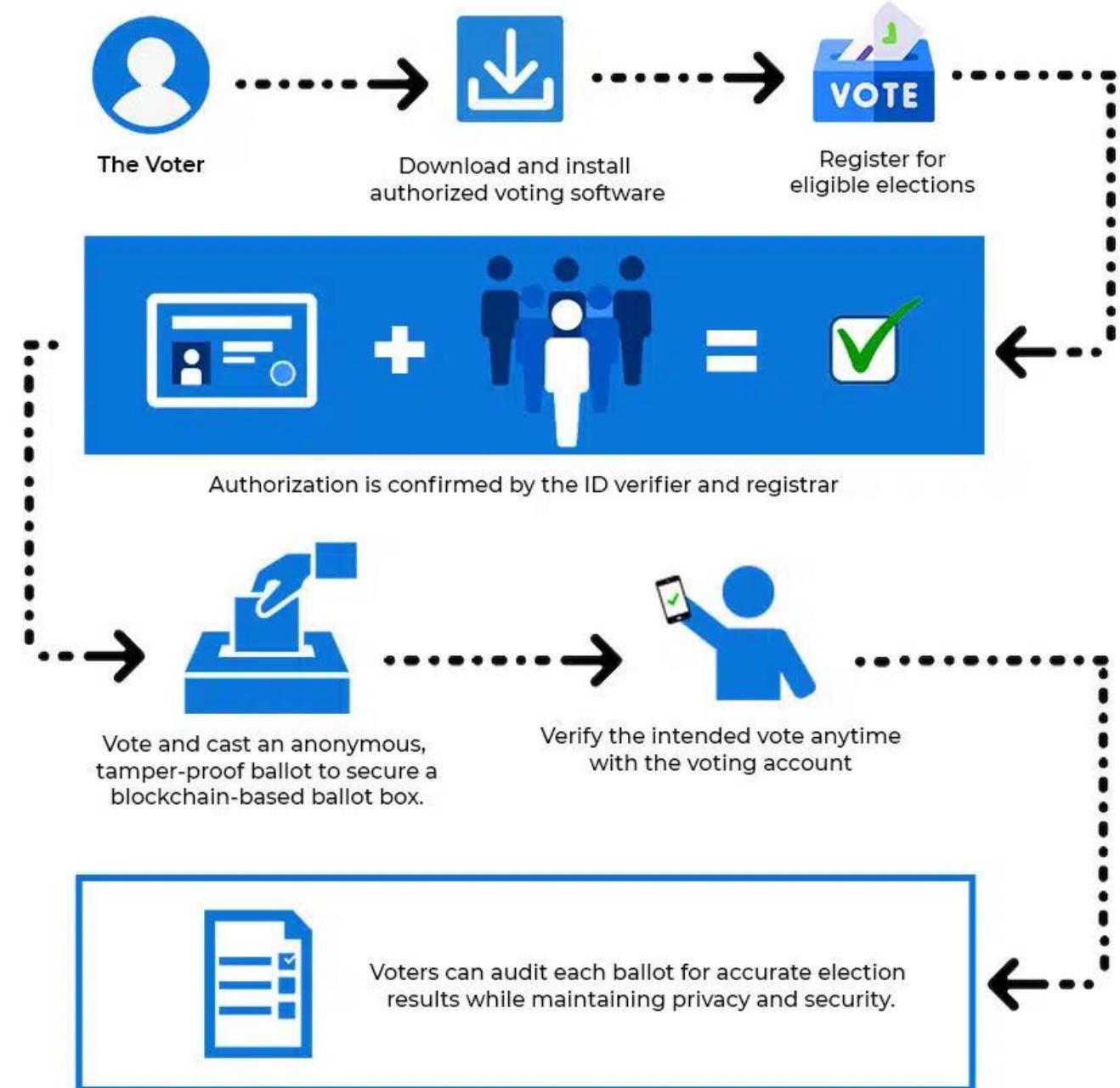
Access to Markets, Inputs, Credit, Advisory, and Government Schemes

Beneficiary Identification

AI can analyze socio-economic data to ensure subsidies like PM-KISAN reach eligible farmers directly, reducing corruption.

E-voting and Grievance Redressal

AI tools can make governance participatory by enabling rural citizens to vote on local issues or lodge grievances digitally.



8

Environmental Conservation

AI for Economic Advancement of Rural Societies



Environmental Conservation



AI for Economic Advancement of Rural Societies



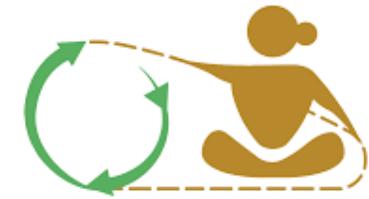
AgriApp

autowater
by chochojojo



Water Management

AI can optimize irrigation practices and predict droughts or floods, ensuring sustainable water use.

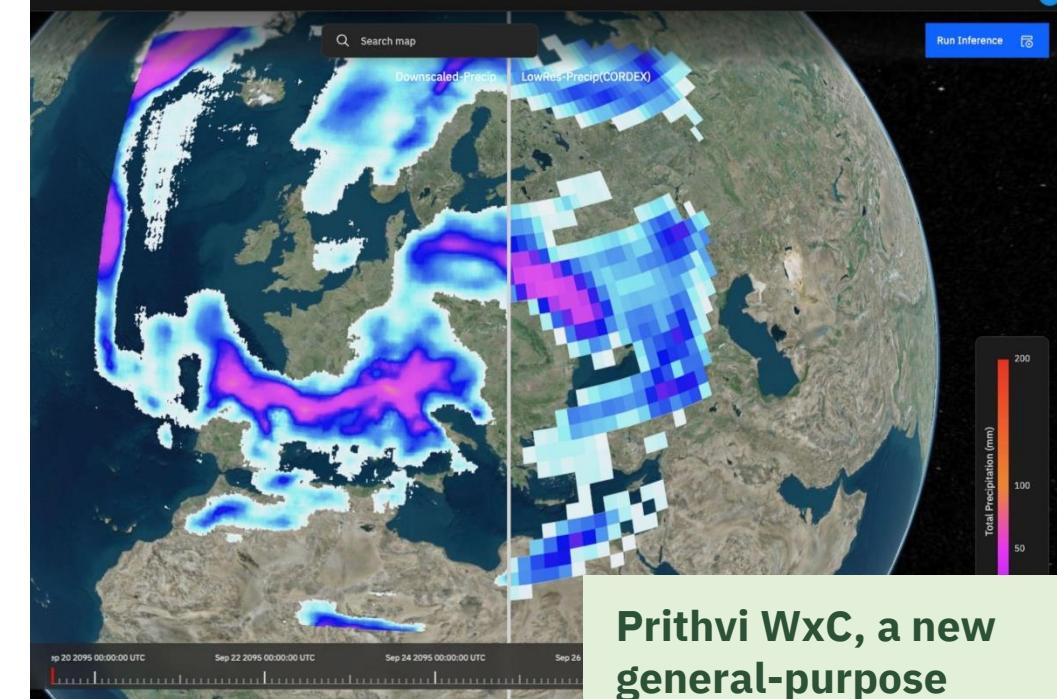
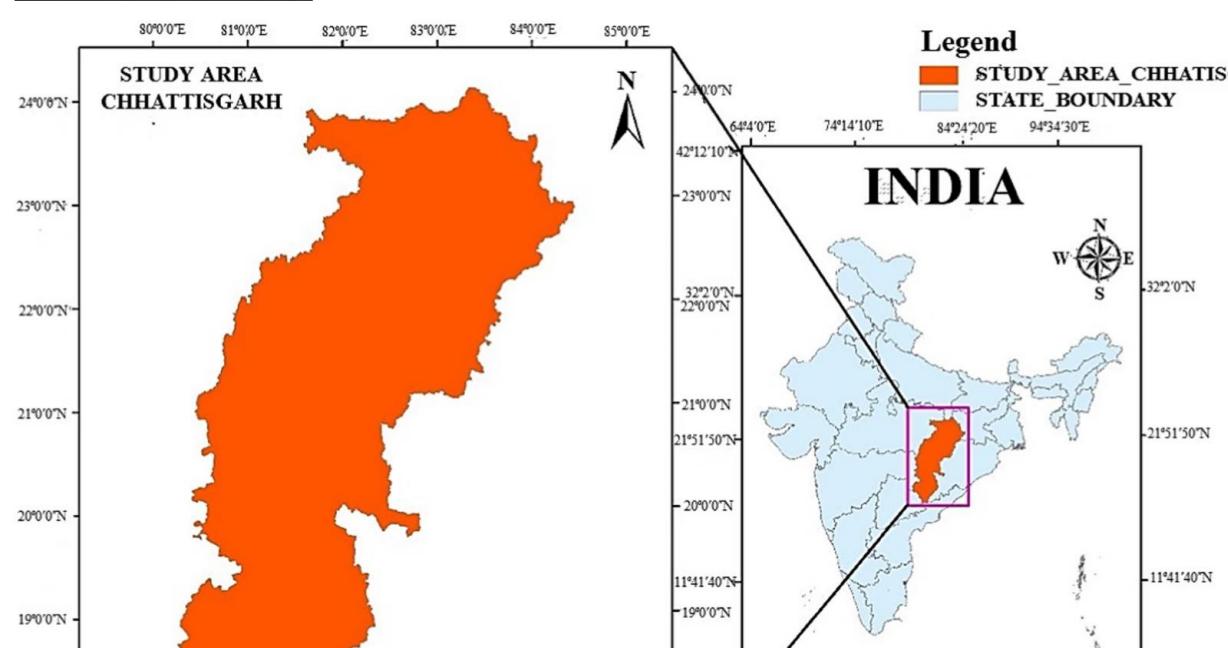


reCharkha
THE ECOSOCIAL TRIBE
UPCYCLED | HANDCRAFTED



Waste Management

AI can be used for efficient waste segregation and recycling in rural areas.



Prithvi WxC, a new general-purpose AI model for weather and climate

Drought Prediction

AI-powered platforms like IBM Watson track weather patterns to predict droughts or water shortages, enabling preemptive measures.



AAKRI -Waste
Management App



Ecowrap - Waste
Management App



Waste-to-Energy Solutions

AI tools can optimize waste segregation and help convert biodegradable waste into energy in rural areas.

GEO AWESOME

- Multispectral and hyperspectral satellites
- LiDAR and SAR technologies
- AI-driven analysis
- Drones and participatory GIS



Wildlife Conservation

AI drones monitor forested areas in rural belts to prevent illegal logging and conserve biodiversity.

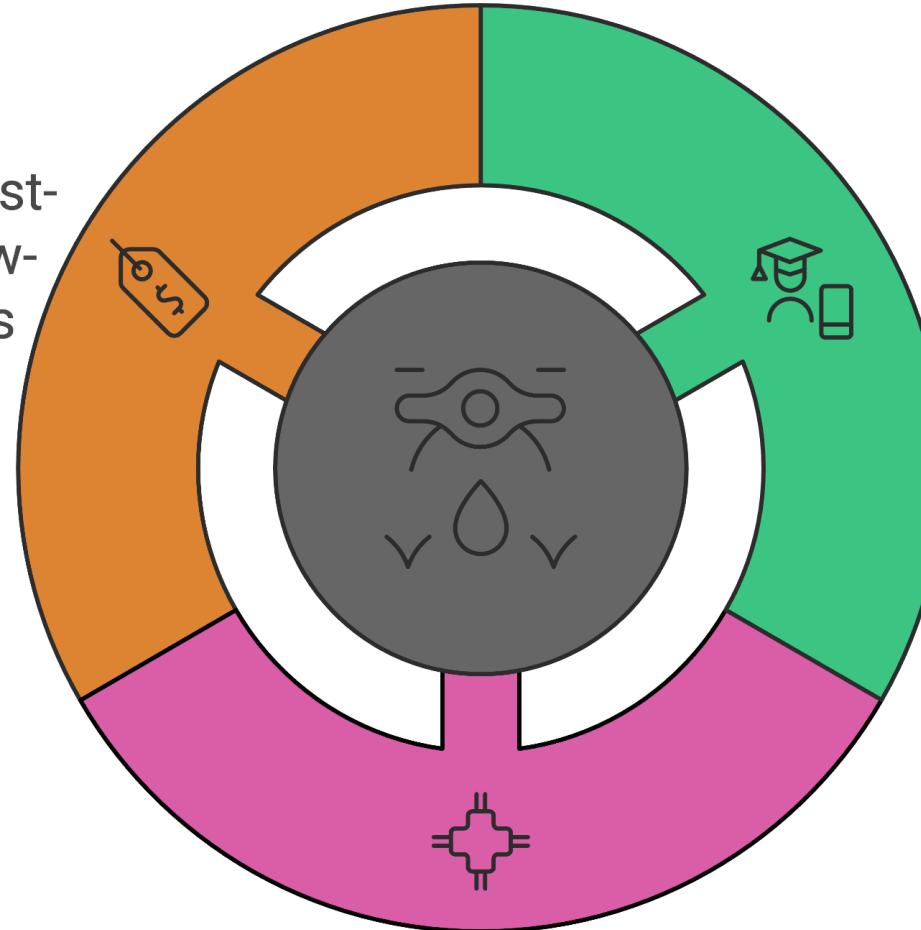
Challenges

Affordability

Ensuring AI solutions are cost-effective for low-income groups

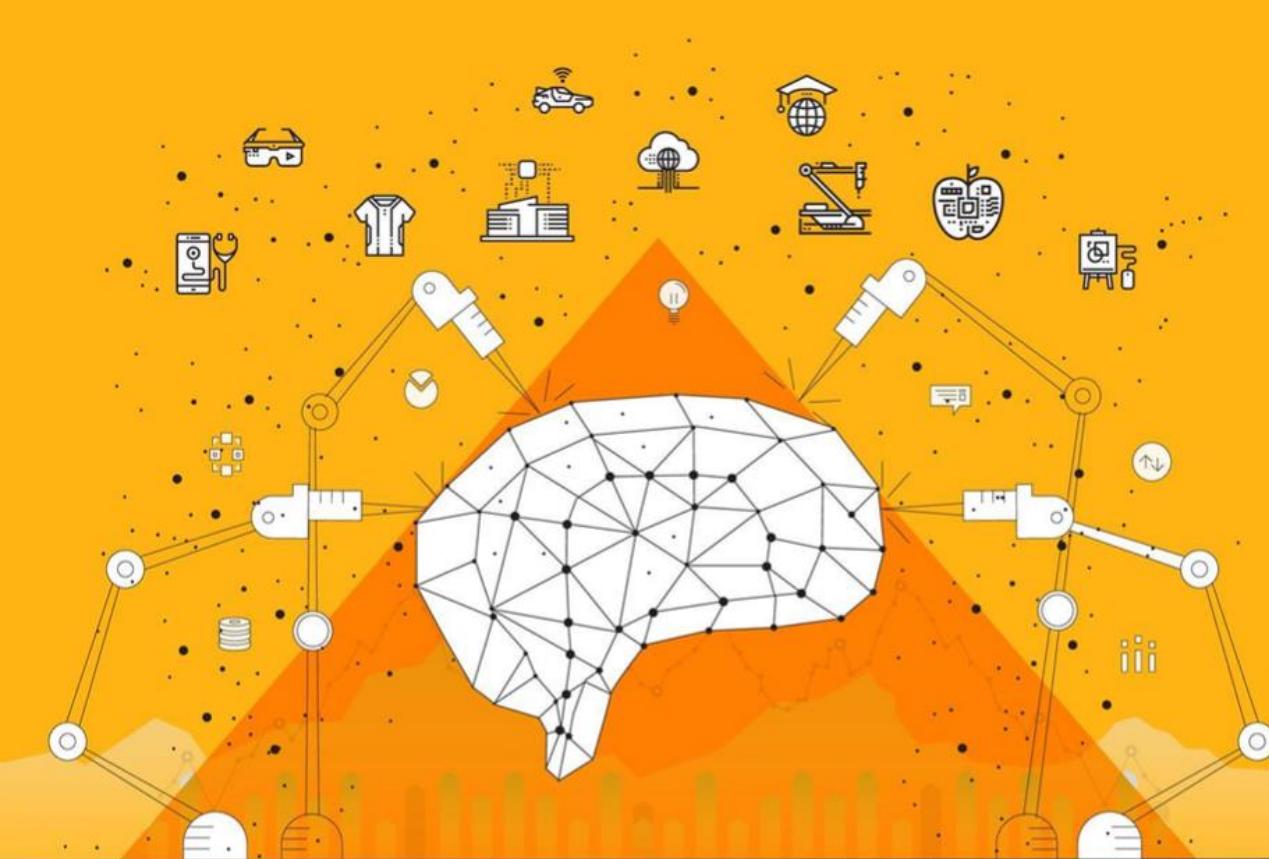
Digital Literacy

Training rural populations to use AI tools effectively



Infrastructure

Expanding internet connectivity and electricity to remote areas



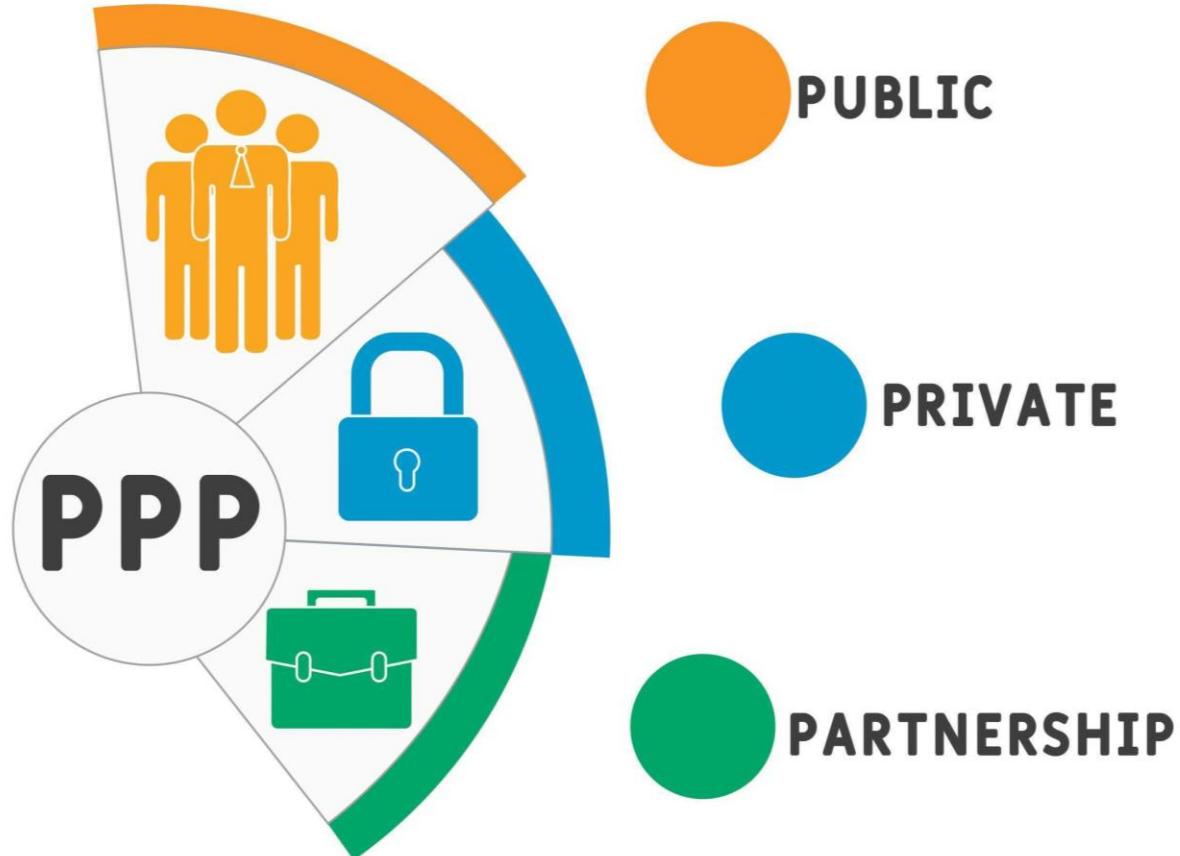
NATIONAL STRATEGY FOR ARTIFICIAL INTELLIGENCE

#AIFORALL

Policy Recommendations

1

Government initiatives,
like **Digital India** and **AI for All**,
should focus on
rural applications.



Policy Recommendations

2 Encourage public-private partnerships for AI development and deployment in rural sectors.

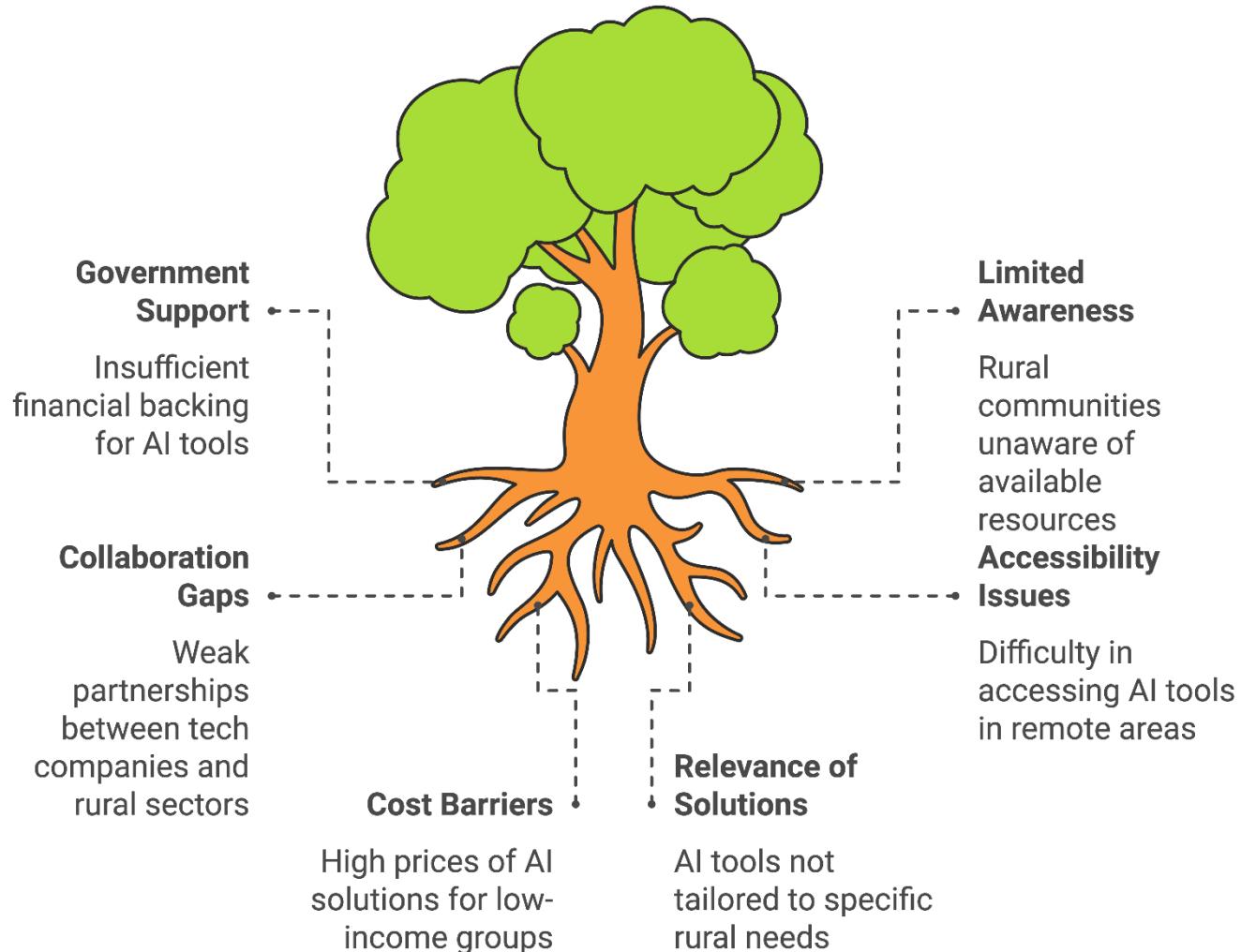


Policy Recommendations

3

Provide subsidies or incentives
for **AI-driven solutions**
tailored to rural needs.

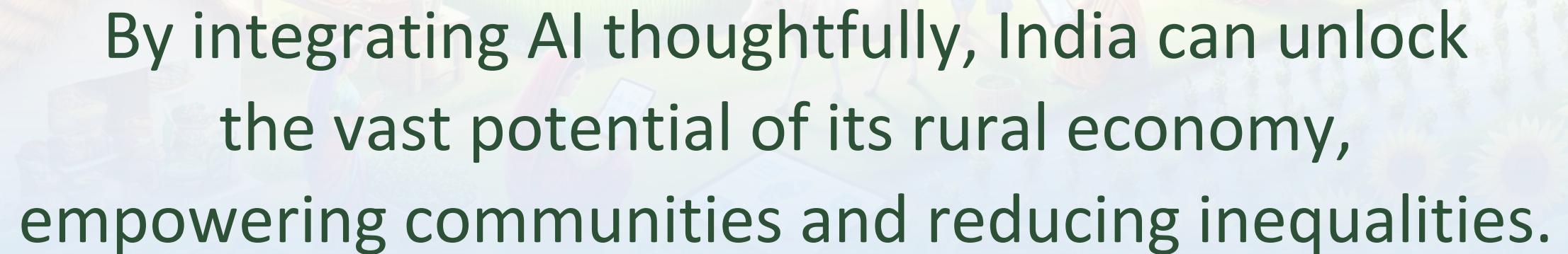
Policy Recommendations



3

Provide subsidies or incentives
for **AI-driven solutions**
tailored to rural needs.



A woman in a traditional sari is shown working in a field, possibly harvesting or weeding. In the background, a tractor is visible, symbolizing modern agricultural practices. The scene is set outdoors with greenery around.

By integrating AI thoughtfully, India can unlock the vast potential of its rural economy, empowering communities and reducing inequalities.









Partnership

Human Intelligence and Artificial Intelligence

Gratitude



मकरंद भोसले



अनुपम क्षीरसागर



दिनेश करंदीकर



मिताली गेडाम



अभिषेक चंदनखेडे



सौम्य रंजन पाणी



राकेश घोरपडे



मोहसिन शेरख



श्रद्धा गोटखिंडीकर



अमित रानडे

Thank You

Vivek Sawant
Chief Mentor, MKCL

mentor@mkcl.org
98220 52914