



NOTES FROM THE ORGANISERS

- Education in the 21st Century is different
 - Brick and mortar to Ubiquitous contexts; Less didactic and more selfdriven; New pedagogical methods
- Technology-enabled learning adds new dimension
 - Augmented, Virtual, Extended Realities; New Instructional Design
- Artificial Intelligence adds to the differences
 - Intelligent tutoring systems; Teaching Robots; Learning Analytics and Dashboards; Adaptive Learning Systems; Human-Computer Interactions
- AIU-AI-AADC and CMLI Short-term Programme
 - Theoretical, pedagogical and computational aspects of AI; Use of AI techniques in learning and instructions; Future AI practice, research and development
- Learner-centeredness, human agency, lifelong learning in innovation-driven knowledge age



OBJECTIVES OF THE PROGRAMME

01.

INTRODUCTION TO MAJOR PARADIGMS

Evolution, Theoretical Foundations, Conceptual Research, Implementation

04.

MAP TECHNOLOGIES

For Pedagogical and intended research outcomes

02.

ORIENTATION TO PARTICIPANTS

Al as a component of Teaching, Learning and Evaluation process

05.

INCULCATE COLLABORATION

Iterative, learner-centered, datadriven, personalised 03.

DISCUSSION ON IMPACT

Direct cognitive learning among learners

06.

BUILD FACULTY CAPACITY

Facilitate value-based tradition towards changes in higher education





Gratitude are due to

Dr T S K Meenakshi Sundaram

Dr V Bharathi Harishankar

Dr S Kowsalya

Dr P Subashini

Dr Ramya

Dr Pankaj Mittal

Dr Amarendra Pani

Dr Venkataraman Balaji

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COMMONWEALTH OF LEARNING

COL's mission is to help governments, institutions and organisations expand the scale, efficiency and quality of learning by using appropriate open, distance and technology-based approaches. COL aims to

- build on its expertise in ODL, OER and TEL to play a more influential role in national policy development and implementation;
 - invest in innovations and research;
 - support the digital transformation of institutions and organisations;
 - promote gender equality; and
 - implement a rigorous monitoring and evaluation plan.







01.

MAJOR PARADIGMS OF AI

Evolution, Theoretical Foundations, Conceptual Research, Implementation

EVOLUTION







ERAS

1950-70: Mimic era 1970-90: Two winters 1990-2010: Resurgent era 2010 - : Present era



STAGES

Reactive AI
Limited Memory AI
Theory of Mind AI
Self-awareness AI
General Intelligence AI

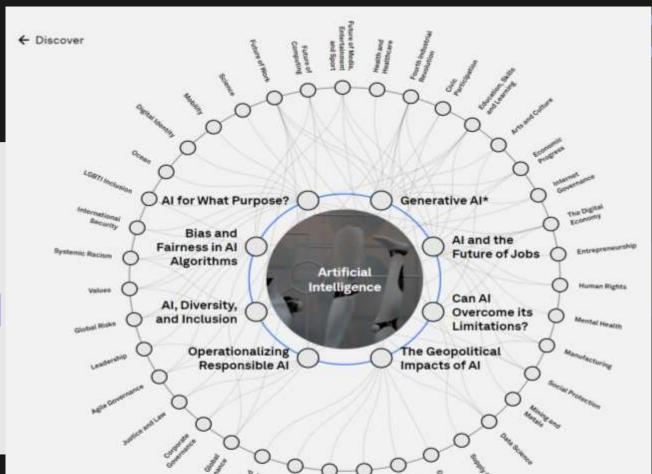


FOUNDATION

Logic Probablity Machine Learning Data Mining









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Rule-based System
Expert System
Neural Network
Genetic Algorithm



IMPLEMENTATION

Define
Gather Data
Choose Algorithm
Train and Test System
Deploy









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ORIENTATION TO AI

As a component of Teaching, Learning and Evaluation process

PROBLEM VS. SOLUTION





PROBLEM

In Teaching/Learning?
In Assessment?
In Outcome-based Education?
To Teachers?

In Teaching/Learning?
In Assessment?
In Outcome-based Education?
To Teachers?

SOLUTION



AKTIFICIAL INTELLIGENCE (AI)





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IMPACT OF AI

As a component of Teaching, Learning and Evaluation process

ORIENTATION TO AI IN EDUCATION





PERCEPTION

Panacea Threat Divide



REAL

Ethics and Bias Inflexible No creativity Vulnerable



POSSIBILITIES

Work and impact
Weaponization
Weakening of institutions
Challenge to basic rights







Personalisation
Diversity, Equity and Inclusion
New Experiences - Virtual
Tutors, Chatbots, Gamification
Information and Media Literacy



ASSESSMENT/EVALUATION

Al powered grading Al as a buddy for feedback Al powered assessments Adaptive Assessments







04.

AI TECHNOLOGIES

For intended educational outcomes





AI GEOGRAPHIES / / / / / /

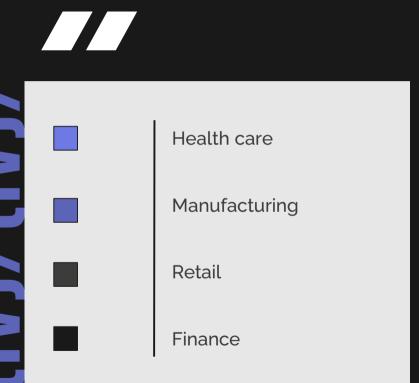


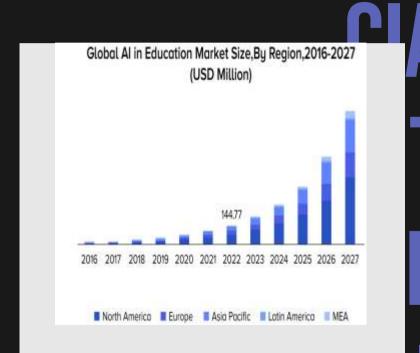
CHINA NORTH AMERICA INDIA

MARKET SHARE

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Gminsights.com





05.

AI FOR COLLABORATION

For Iterative, learner-centered, data-driven, personalized learning approaches

STEER FOR AI IN EDUCATION



DATA

Incomparable resource



COST

Moore's Law working?



POWER

Again, Moore is alive?



PERSONALISATION

Learners' demand for experience



EFFICIENCY

Improving outcomes



PRODUCTIVITY

Scaling and widening, and narrowing





Appinventiv

Al applications and benefits in education industry

•	 Personalized learning
•	 Task automation
•	 Smart content creation
•	 Adaptable access
•	 Determining classroom vulnerabilities
•	 Closing skill gap
•	 Customized data-based feedback
•	 24*7 assistance with conversational AI
•	 Secure and decentralized learning systems
•	 Al in examinations



OUR PARTNERS





EDUCATIONISTS

Who wish to shape-up the AI world

TECHNOLOGISTS

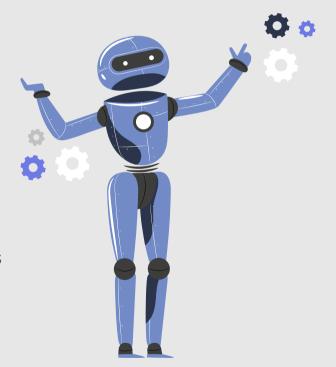
Who are bent upon changing the world

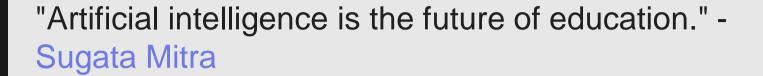
MARKET

Tunes itself to 21st Century culture and practices

LEARNERS

Who will require to be adaptive, creative





"Al has the potential to revolutionize education by providing personalized learning experiences, making it more engaging and effective." - Sal Khan

"Al can help to prepare students for the jobs of the future by teaching them the skills they need to be successful in a rapidly changing world." - Andrew Ng







bshadrach@col.org

+91 9871119726 www.col.org

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