

ARTIFICIAL INTELLIGENCE: A MULTIDISCIPLINARY APPROACH TOWARDS TEACHING AND LEARNING



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Artificial Intelligence: A Multidisciplinary Approach towards Teaching and Learning

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CONTENTS

FOREWORD I	i
FOREWORD II	ii
PREFACE	iii
LIST OF CONTRIBUTORS	iv
CHAPTER 1 THE EVOLUTION OF ARTIFICIAL INTELLIGENCE FROM PHILOSOPHY TO NEW FRONTIER	1
<i>Manisha Singh, Arbind K. Jha, Tahmeena Khan and Saman Raza</i>	
INTRODUCTION	1
THE HISTORY OF ARTIFICIAL INTELLIGENCE (AI)	2
PHILOSOPHY AND AI: A PHILOSOPHICAL JOURNEY	4
PHILOSOPHICAL CONSIDERATION OF AI	5
Metaphysics and AI	5
Epistemology and AI	6
Axiology and AI	7
Framework of AI	9
HUMAN-MACHINE TEAMING FRAMEWORK	10
FORMS OF AI	11
Based on Capabilities	12
<i>Artificial Narrow Intelligence</i>	12
<i>Artificial General Intelligence</i>	12
<i>Artificial Super Intelligence</i>	12
<i>Generative AI</i>	13
Based on Functionality Artificial Intelligence	13
<i>Reactive Machines</i>	13
<i>Limited AI</i>	14
<i>Theory of Mind AI</i>	14
<i>Self-aware AI</i>	15
<i>Some other forms of AI</i>	15
AI AND NEW FRONTIERS	16
AI and Medical Science	17
AI and Life Science	17
AI and Mathematics	17
AI and Architecture	18
AI and Environmental Science	18
AI in Education	18
AI in Research	19
<i>ChatGPT/Perplexity/GoogleBard</i>	19
<i>PDFgear</i>	19
<i>Wordvice AI</i>	19
<i>Consensus</i>	20
<i>Trinka</i>	20
<i>QuillBot AI</i>	20
<i>Page.AI</i>	21
<i>Zotero, EndNote Online, Mendeley, RefWorks, etc</i>	21
AI, HUMAN INTELLIGENCE AND HUMAN WISDOM	21
CONCLUDING REMARKS	22
REFERENCES	22

CHAPTER 2 ARTIFICIAL INTELLIGENCE AND BIOINFORMATICS: A POWERFUL SYNERGY FOR DRUG DESIGN AND DISCOVERY	26
<i>Chanda Hemantha Manikumar Chakravarthi, Viswajit Mulpuru and Nidhi Mishra</i>	
INTRODUCTION	27
Overview of Machine Learning	27
<i>Supervised Learning</i>	27
<i>Unsupervised Learning</i>	27
<i>Reinforcement Learning</i>	27
Importance of Drug Design	27
<i>Challenges in Traditional Drug Discovery</i>	27
DATA ANALYSIS AND PREPROCESSING	28
Utilizing Biological Databases	28
<i>Omics Data Integration</i>	29
Data Cleaning and Feature Extraction	29
<i>Data Cleaning and Pre-processing</i>	29
<i>Feature Extraction Techniques</i>	30
Handling Imbalanced Datasets	30
<i>Oversampling and Undersampling</i>	30
<i>Advanced Algorithms for Imbalanced Data</i>	31
Addressing Batch Effects	31
<i>Definition of Batch Effects</i>	31
<i>Ensuring Consistency</i>	31
PREDICTIVE MODELLING	32
Classification Algorithms	32
<i>Support Vector Machines (SVM)</i>	32
<i>Random Forests</i>	33
<i>Neural Networks</i>	35
Regression Analysis	36
<i>Quantitative Structure-Activity Relationship (QSAR)</i>	36
<i>Predicting Molecular Properties</i>	38
VIRTUAL SCREENING	40
Target Identification and Validation	40
<i>Omics Data Integration</i>	40
<i>Disease Gene Prediction</i>	41
<i>Expression Profiling and Differential Analysis</i>	41
<i>Pharmacogenomics</i>	41
<i>Text Mining and Literature Analysis</i>	41
<i>Validation through High-Throughput Screening (HTS)</i>	41
<i>Integration of Structural Biology Data</i>	42
Ligand-Based Virtual Screening Techniques	42
<i>Molecular Descriptors and Fingerprints</i>	42
<i>Quantitative Structure-Activity Relationship (QSAR)</i>	43
<i>Machine Learning Classifiers</i>	43
<i>Pharmacophore Modeling</i>	43
<i>Chemical Similarity Networks</i>	43
<i>Ensemble Methods</i>	44
Structure-Based Virtual Screening	44
<i>Protein-Ligand Docking</i>	44
<i>Scoring Functions</i>	44
<i>Deep Learning in Binding Affinity Prediction</i>	45

<i>Machine Learning Filters</i>	45
<i>Consensus Scoring</i>	45
<i>Machine Learning for Binding Site Prediction</i>	45
<i>Fragment-Based Virtual Screening</i>	46
DE NOVO DRUG DESIGN	46
Generative Models in Drug Design	46
<i>Generative AI in bioinformatics</i>	46
<i>Generative AI in Drug Design</i>	46
<i>Generative AI revolutionizes Drug Discovery Processes</i>	47
<i>Variational Autoencoders (VAEs)</i>	47
<i>Generative Adversarial Networks (GANs)</i>	47
Recurrent Neural Networks (RNNs) and Long Short-Term Memory (LSTM) Networks	48
<i>Transformer-Based Models</i>	48
<i>Graph Generative Models</i>	48
<i>Conditional Generative Models</i>	48
<i>Transfer Learning in Generative Models</i>	49
Reinforcement Learning for Molecule Generation	49
<i>Objective Function Definition</i>	49
<i>Policy Networks</i>	49
<i>Action Space Representation</i>	50
<i>Monte Carlo Tree Search (MCTS)</i>	50
<i>Actor-Critic Models</i>	50
<i>Exploration Strategies</i>	50
<i>Transfer Learning and Pre-training</i>	50
DRUG REPURPOSING	51
Identifying New Indications for Existing Drugs	51
<i>Biological Data Integration</i>	51
<i>Drug Similarity and Similarity Networks</i>	51
<i>Disease Similarity and Phenotype Matching</i>	52
<i>Text Mining and Literature Analysis</i>	52
<i>Predictive Modeling for Drug-Disease Associations</i>	52
<i>Network Propagation Algorithms</i>	52
<i>Electronic Health Records (EHR) Analysis</i>	52
<i>Multi-Omics Data Integration</i>	53
Utilizing Machine Learning for Drug Repositioning	53
<i>Data Integration and Representation</i>	53
<i>Feature Extraction and Engineering</i>	53
<i>Predictive Modelling for Drug-Disease Associations</i>	54
<i>Network-Based Approaches</i>	54
<i>Deep Learning Models</i>	54
<i>Text Mining and Literature Analysis</i>	54
<i>Clinical Data Mining</i>	55
<i>Ensemble Learning</i>	55
PHARMACOPHORE MODELLING	55
Molecular Interaction Understanding	55
Drug Design and Optimization	56
Virtual Screening	56
Lead Identification and Optimization	56
Polypharmacology Analysis	56
Structure-Activity Relationship (SAR) Analysis	56
Fragment-Based Drug Design	56

Target Druggability Assessment	56
Pharmacokinetic and Toxicity Prediction	56
Adverse Effects Mitigation	56
<i>Feature Selection and Descriptor Generation</i>	57
<i>Training Data Generation</i>	57
<i>Enhanced Pharmacophore Screening</i>	57
<i>Predictive Pharmacophore Modeling</i>	57
<i>Polypharmacology Prediction</i>	58
<i>Druggability Assessment</i>	58
<i>Hybrid Approaches</i>	58
<i>Pharmacophore Optimization</i>	58
<i>Data-Driven Drug Design</i>	58
PERSONALIZED MEDICINE	59
Tailoring Treatments Based on Individual Genetic Profiles	59
<i>Importance and Benefits</i>	59
<i>Application of Machine Learning</i>	60
<i>Examples of Personalized Medicine Applications</i>	60
<i>Ethical and Regulatory Considerations</i>	61
<i>Future Directions</i>	61
Machine Learning in Patient Stratification	61
<i>Key Components of Patient Stratification</i>	62
<i>Importance and Benefits</i>	62
<i>Applications of Machine Learning</i>	62
<i>Examples of Patient Stratification</i>	63
<i>Challenges and Considerations</i>	63
<i>Future Directions</i>	63
CHALLENGES AND FUTURE DIRECTIONS	64
Data Quality and Availability	64
<i>Data Quality Issues</i>	64
<i>Data Standardization and Integration</i>	64
<i>Limited Accessibility</i>	64
<i>Small Sample Sizes</i>	65
<i>Biological Variability</i>	65
<i>Ethical Considerations</i>	65
<i>Future Directions</i>	65
<i>Advancements in Personalized Medicine</i>	66
Ethical and Regulatory Considerations	66
<i>Patient Privacy and Informed Consent</i>	66
<i>Data Ownership and Sharing</i>	67
<i>Bias and Fairness in Models</i>	67
<i>Regulatory Compliance</i>	67
<i>Inclusivity in Research</i>	67
<i>Transparency in AI Decision-Making</i>	67
<i>Future Directions</i>	68
Emerging Technologies and Trends in Drug Design	69
<i>Artificial Intelligence (AI) and Machine Learning</i>	69
<i>Quantum Computing</i>	69
<i>Structural Biology Advancements</i>	69
<i>Immunotherapy and Personalized Medicine</i>	69
<i>CRISPR and Gene Editing</i>	70
<i>Nanotechnology in Drug Delivery</i>	70

<i>Data Integration and Systems Biology</i>	70
<i>3D Printing in Drug Manufacturing</i>	70
<i>Blockchain for Data Security</i>	70
CONCLUDING REMARKS	71
Artificial Intelligence (AI) and Machine Learning	72
<i>Quantum Computing</i>	72
<i>Immunoinformatics</i>	72
<i>CRISPR-Cas9 and Gene Editing</i>	72
<i>3D Bioprinting</i>	72
<i>Nanotechnology</i>	72
<i>RNA Therapeutics</i>	72
<i>Pharmacogenomics</i>	72
<i>Virtual Reality (VR) and Augmented Reality (AR)</i>	72
<i>Blockchain in Drug Development</i>	72
<i>Metabolomics and Systems Biology</i>	72
<i>Synthetic Biology</i>	73
Potential Impact on the Pharmaceutical Industry	73
<i>Acceleration of Drug Discovery</i>	73
<i>Revolutionizing Vaccine Development</i>	73
<i>Precision Medicine and Personalized Therapies</i>	73
<i>Efficient Drug Testing and Development</i>	74
<i>Targeted Drug Delivery and Formulation</i>	74
<i>Innovations in RNA Therapeutics</i>	74
<i>Optimizing Drug Responses</i>	74
<i>Immersive Research Environments</i>	74
<i>Ensuring Data Integrity and Compliance</i>	74
<i>Comprehensive Understanding of Drug Impact</i>	74
<i>Biosynthesis and Customized Biological Systems</i>	74
REFERENCES	75

CHAPTER 3 ARTIFICIAL INTELLIGENCE ASSISTED TEACHING AND LEARNING AND RESEARCH OF ENVIRONMENTAL SCIENCES

<i>Tahmeena Khan, Priya Mishra, Kulsum Hashmi, Saman Raza, Manisha Singh, Seema Joshi and Abdul Rahman Khan</i>	80
INTRODUCTION	81
Generative AI in Education	82
AI In Teaching, Learning and Academic Achievement	84
AI-Based Tools and Methodologies in Environmental/Geoscience Teaching	89
Different AI Techniques Used in Environment and Geosciences-Based Research	95
<i>Hazard Identification</i>	96
<i>Risk Assessment</i>	96
<i>Risk Evaluation</i>	97
<i>Decision Making</i>	97
<i>Earthquakes</i>	97
<i>Volcano</i>	97
<i>Landslide</i>	97
<i>Rainfall</i>	98
<i>Cyclones</i>	98
<i>Meteorological Drought</i>	98
<i>Wildfire</i>	98
<i>Dust storm</i>	99

<i>Anthropogenic Air Pollutants</i>	99
AI in Biosphere	99
Chat GP and Environmental Science	100
CHALLENGES IN AI IN ENVIRONMENTAL SCIENCE BASED RESEARCH	101
Choosing a Suitable Model	101
Training Optimization	101
Data Preparation	101
Ethical Issues	102
CONCLUDING REMARKS	102
REFERENCES	102
CHAPTER 4 INTEGRATING AI APPROACHES IN TEACHING-LEARNING ASSOCIATED WITH THE MITIGATION OF AIR POLLUTION: A COMPREHENSIVE ANALYSIS	115
<i>Rahila Rahman Khan, Ahmad Faiz Minai and Rushda Sharf</i>	
INTRODUCTION	115
OVERVIEW OF THE CURRENT STATE OF AIR POLLUTION AND ITS IMPACT	116
APPLICATIONS OF AI IN ENVIRONMENTAL CHALLENGES	116
Environmental Monitoring	117
Climate Modeling	117
Biodiversity Conservation	117
Renewable Energy	118
POTENTIAL OF AI IN ADDRESSING AIR POLLUTION	118
Data Analysis and Prediction	118
Source Identification	118
Early Warning Systems	118
Policy Formulation	118
PROBLEMS WITH CONVENTIONAL AIR QUALITY MONITORING TECHNIQUES	120
Restricted Coverage	120
Temporal Limitations	120
High Installation and Maintenance Costs	120
Data Timeliness	120
AI-BASED AIR QUALITY MONITORING	120
Remote Sensing and Satellite Technology	120
Integration of Satellite Data	121
AI Algorithms for Data Analysis and Interpretation	121
Sensor Networks and IoT Devices	121
Deployment of Smart Sensors	121
Machine Learning for Sensor Data Analysis	121
UTILIZING AI FOR TIMELY INFORMATION	121
AI TECHNIQUES FOR IDENTIFYING AND QUANTIFYING POLLUTION SOURCES	122
Data Fusion and Integration	122
Chemical Mass Balance Models	122
Source Separation Algorithms	122
INCORPORATING AI INSIGHTS INTO CITY PLANNING FOR POLLUTION CONTROL	122
Zoning and Land Use Planning	122
Traffic Management	123
Emission Reduction Strategies	123
AI AND POLICY IMPLEMENTATION	123
OVERCOMING CHALLENGES IN POLICY IMPLEMENTATION	123
PUBLIC AWARENESS AND ENGAGEMENT	123

FUTURE INNOVATIONS AND RESEARCH DIRECTIONS	124
CONCLUDING REMARKS	124
REFERENCES	125
CHAPTER 5 APPLICATIONS OF NEURAL NETWORK IN PHYSICS: COSMOLOGY AND MOLECULAR DYNAMICS	128
<i>Vivekanand Mohapatra, Dhruv Agrawal and Shubhamshree Avishek</i>	
INTRODUCTION TO ML AND NEURAL NETWORK	128
MACHINE LEARNING IN 21-CM COSMOLOGY	132
Differential Brightness Temperature	134
Challenges in Observational Cosmology	136
Modelling the Foreground Signal	136
Modeling the Differential Brightness Temperature	136
Application of ANN in Cosmology	138
<i>Basic Architecture of ANN</i>	138
<i>Parameter Estimation using ANN</i>	139
INTRODUCTION TO MOLECULAR DYNAMICS SIMULATIONS	140
Recurrent Neural Networks	141
<i>Understanding Sequential Data Processing in RNNs</i>	142
<i>Integration of RNNs with Physics</i>	142
CONCLUDING REMARKS	144
REFERENCES	145
CHAPTER 6 ROLE OF ARTIFICIAL INTELLIGENCE IN TEACHING AND LEARNING CHEMICAL SCIENCES	148
<i>Shahla Tanveer, Mariyam Tanveer and Ayesha Tanveer</i>	
INTRODUCTION	149
CHEMICAL REPRESENTATION OF ATOMS AND MOLECULES IN COMPUTER-UNDERSTANDABLE FORMAT	150
Molecular Graph Representation	150
Simplified Molecular Input Line Entry System (SMILES)	151
InChi	152
APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN CHEMICAL SCIENCES	153
Retrosynthesis	153
<i>Reactant Selection</i>	153
<i>Template Selection</i>	154
Prediction of Reaction Outcomes	156
Molecular Designing	157
<i>Simulator</i>	158
<i>Evaluator</i>	158
<i>Constraints</i>	158
<i>Specifications</i>	158
<i>GP (Genetic Programming)</i>	158
<i>Visualizer</i>	159
<i>Control Interface</i>	159
<i>Properties for Electronic Data</i>	159
<i>Pharmaceutical Applications</i>	159
<i>Reactive Properties and Catalyst Optimization</i>	159
<i>Structure and Docking Ability</i>	160
Molecular Property Prediction	160
ROLE OF GENERATIVE AI IN CHEMICAL SCIENCES	161
Benefits of Integrating Generative AI in Chemistry Learning and Teaching	162

<i>Enhanced Student Involvement</i>	162
<i>Instantaneous Answers and Assistance</i>	162
<i>Customised Learning</i>	162
<i>Promotion of Critical Thinking</i>	162
<i>Access to Extra Learning Resources</i>	162
<i>Facilitation of Continuous Learning</i>	163
<i>Reinforcement of Essential Knowledge</i>	163
<i>Supplementing Limited Resources</i>	163
Role of ChatGPT in Promoting Student Engagement and Active Learning	163
<i>Interactive Conversations</i>	163
<i>Instant Response and Feedback</i>	163
<i>Scaffolded Learning</i>	163
<i>Fostering Curiosity and Inquiry</i>	163
<i>Exploratory Learning</i>	164
<i>Adaptable Learning Environments</i>	164
<i>Active Problem-Solving</i>	164
<i>Fostering Discussion and Collaboration</i>	164
CHALLENGES AND LIMITATIONS	164
Underdeveloped Technologies	164
Lack of AI Skills	164
Inadequate Data	164
Trust and Transparency Concerns	165
Uncertain ROI	165
Data Bias	165
Limited Generalisation	165
High Computing Requirements	165
Ethical Concerns	165
Integration Challenges	165
FUTURE PROSPECTS	165
Accelerated Medication Discovery	166
Precision Medicine	166
Green Chemistry	166
Material Design and Discovery	166
Automation and Robots	166
Integration of Big Data	166
CONCLUDING REMARKS	166
REFERENCES	167
CHAPTER 7 AI TOOLS FOR TEACHING-LEARNING CHEMISTRY	173
<i>Saman Raza, Satya, Tahmeena Khan and Manisha Singh</i>	
INTRODUCTION	173
TYPES OF AI	174
GENERATIVE AI	176
APPLICATIONS OF AI IN CHEMISTRY	176
Prediction of Chemical Reactions	176
Drug Design	178
Material Design	180
Others	182
AI POWERED TOOLS AND APPLICATIONS FOR TEACHING AND LEARNING CHEMISTRY	182
Tutoring Systems using AI	183

Interactive Learning Platforms	183
ChatGPT	184
Smodin Chemistry Homework Solver	185
HyperWrite's Chemistry Assistant	185
SorSor	185
FormuTodo	186
STUDIES TO DETERMINE THE INFLUENCE OF AI IN LEARNING CHEMISTRY	186
THE BENEFITS OF USING AI FOR CHEMISTRY EDUCATION	188
DRAWBACKS AND CHALLENGES	188
CONCLUDING REMARKS	189
REFERENCES	189
CHAPTER 8 TRANSFORMATION IN THE WORLD OF COMMERCE AND ECONOMICS THROUGH AI	194
<i>Umang Tandon, Apoorva Tandon and Tarang Mehrotra</i>	
INTRODUCTION	195
Predictive Analytics	196
Operational Decision-Making	196
Strategic Integration	196
Operational Efficiency	197
Risk Mitigation	197
Ethical Imperatives	197
OBJECTIVE	197
Identifying and Synthesizing Key Findings from Existing Research	197
Addressing Gaps in Understanding AI's Impact on Commerce and Economics	198
AI IN ANALYTICS AND DECISION-MAKING	198
Predictive Analysis	198
Descriptive Analytics	201
Decision-Making Processes	203
ECONOMIC IMPLICATIONS OF AI	205
RISK MITIGATION	206
Productivity Enhancement	207
Labour Dynamics	208
ADDRESSING INHERENT BIASES IN AI MODELS	209
Gender Bias	209
Racial Bias	210
Market Bias	210
Biases in Labor Markets	210
Policy Bias	210
RECTIFICATION PROCESSES	211
Data Diversification for Holistic Representation	212
Algorithmic Transparency: Unveiling the Black Box	212
Continuous Model Evaluation: The Lifeline of Bias Rectification	212
Stakeholder Collaboration: A Collective Approach	212
CONCLUDING REMARKS	213
REFERENCES	214
CHAPTER 9 TRANSFORMING ENGLISH PEDAGOGY WITH ARTIFICIAL INTELLIGENCE: ENROUTE TO ENHANCED LANGUAGE LEARNING	216
<i>Leena Rajak, Sangeeta Chauhan and Sonu Bara</i>	
INTRODUCTION	217
What is Artificial Intelligence (AI)?	217

GENERATIVE ARTIFICIAL INTELLIGENCE (GAI)	218
EVOLUTION PROCURED BY GENERATIVE AI IN THE FIELD OF EDUCATION	219
English Language Education	220
Technology in Language Teaching	221
<i>Online Language Learning Platforms</i>	221
<i>Language Learning Apps</i>	222
<i>Virtual Reality (VR) and Augmented Reality (AR)</i>	224
<i>Online Tutoring and Video Conferencing</i>	225
<i>Digital Language Resources</i>	225
<i>Interactive Whiteboards and Smartboards</i>	226
LANGUAGE LEARNING MANAGEMENT SYSTEMS (LMS)	226
Speech Recognition Technology	227
Educational Software and Apps	227
Social Media and Online Communities	228
Virtual Assistants for Language Learning	228
Intelligent Tutoring Systems	229
Natural Language Processing	229
Gamification and Interactive Learning	229
Accessibility and Inclusivity	230
The Role of Teachers	231
The Future of English Language Education	232
ROLE OF AI IN ENGLISH AND LANGUAGE LEARNING	232
Personalized Learning	233
Immediate Feedback	233
Enhanced Engagement	233
Accessibility	233
Language Analysis	233
Natural Language Processing (NLP)	233
Adaptive Assessment	234
24/7 Availability	234
Data-Driven Insights	234
Language Generation	234
CHALLENGES IN THE IMPLEMENTATION OF AI TECHNOLOGY IN LANGUAGE LEARNING	234
Access and Equity	234
Quality of Content	235
Data Privacy and Security	235
Lack of Personalization Understanding	235
Integration with Traditional Pedagogy	235
Ethical Considerations	235
User Engagement and Motivation	236
Cost of Implementation	236
Adaptability and Continuous Improvement	236
Overreliance on Technology	236
FUTURE SCOPE	237
CONCLUDING REMARKS	238
REFERENCES	239

CHAPTER 10 REVOLUTIONIZING LEARNING LANDSCAPES: UNLEASHING THE POTENTIAL OF AI IN THE REALM OF ACADEMIC RESEARCH 242

Waseem Zahra and Gunjan Rautela

INTRODUCTION	243
ACADEMIC RESEARCH	243
THE ADVANCEMENT OF AI IN ACADEMIC RESEARCH IN THE 21ST CENTURY	244
ROLE OF AI IN REVOLUTIONIZING ACADEMIC RESEARCH	245
Using AI Techniques to Review the Literature and Gain Research Knowledge	246
AI in Writing Research Hypothesis	246
AI in Academic Writing	246
Applying AI to Data Analysis	247
Recommendation System	247
NAVIGATING THE RESEARCH JOURNEY WITH ARTIFICIAL INTELLIGENCE:	
ESSENTIAL STEPS	247
Define Research Objectives	247
Literature Review	248
Formulate Research Hypotheses or Questions	249
Data Collection	249
Data Preprocessing	249
Feature Engineering	249
Model Selection	249
Training and Validation	249
Evaluation	249
Analysis and Interpretation	249
Documentation and Reporting	250
Peer Review and Feedback	250
GENERATIVE AI (GENAI) IN ACADEMIC RESEARCH	250
KEY ARTIFICIAL INTELLIGENCE TECHNIQUES EMPLOYED IN DATA ANALYSIS AND ANALYTICS	252
Natural Language Processing (NLP)	254
Machine Learning	254
Computer Vision	254
Deep Learning	254
Predictive Analytics	255
Reinforcement Learning	255
Clustering and Classification	255
Blockchain for Research Integrity	255
DIVERSE AI TOOLS FOR EMPOWERING ACADEMIC RESEARCH	255
NLTK (Natural Language Toolkit)	256
SpaCy	256
ChatGPT and GPT-3	256
TensorFlow and PyTorch	257
Scikit-learn	257
Zotero and Mendeley	257
Slack and Microsoft Teams	257
Matplotlib and Seaborn	257
Google Scholar	257
EXPLORING THE ADVANTAGES OF AI IN ACADEMIC RESEARCH	257
Data Analysis and Pattern Recognition	258
Accelerated Hypothesis Generation	258
Automation of Repetitive Tasks	258
Predictive Modelling and Forecasting	258
<i>Enhancing Personalized Learning</i>	258
<i>Improving Educational Outcomes</i>	259

<i>Addressing Educational Inequality</i>	259
A COMPREHENSIVE EXAMINATION OF CHALLENGES IN INTEGRATING ARTIFICIAL INTELLIGENCE INTO ACADEMIC RESEARCH	260
Data Quality and Availability	260
Interpretability	260
High Computational Costs	260
Lack of Standardization	260
Lack of Technical Expertise	261
Ethical Considerations in Using AI in Academic Research	261
Data Privacy	261
Algorithmic Bias	261
Equity and Access	261
CONCLUDING REMARKS	262
REFERENCES	262
CHAPTER 11 FUTURE TRENDS AND INNOVATIONS IN ARTIFICIAL INTELLIGENCE	265
<i>Samiya Farooq and Pooja Mishra</i>	
INTRODUCTION	265
Stages of Artificial Intelligence	268
THEORETICAL BACKGROUND	268
AI and Education	268
Education for Understanding AI	268
The Use of AI in Education	269
Model Framework of Educational Landscape	269
REASONS TO ADDRESS ARTIFICIAL INTELLIGENCE IN EDUCATION	271
E-LEARNING TRENDS	272
Google Classroom	273
Collaborative Learning	273
MOOCs	273
Blended Learning	274
Gamification	274
TECHNOLOGIES WITH AI	274
Chatbots	274
Virtual Reality	274
Learning Management System	275
FUTURE TRENDS OF AI	275
Personalized Learning	275
Adaptive Learning Systems	276
Chatbots and Virtual Assistants	276
Gamification and AI	276
AI in Grading and Assessment	276
Predictive Analytics for Student Success	276
AI AS A PROMISING TECHNOLOGY TO SUPPORT THE EDUCATIONAL PROCESS	276
POLICIES FOR AI IN EDUCATION	277
AI ENABLES ADAPTIVITY IN LEARNING	279
INDIAN EDUCATION SYSTEM AND ARTIFICIAL INTELLIGENCE	280
ARTIFICIAL INTELLIGENCE: PROMISING APPLICATIONS AND POTENTIAL EFFECTIVENESS	281
Personalized Learning Opportunity	281
Delivery of Quality Content	282
Remote Learning	282

Curriculum Upgradation	283
Droupouts Management	283
Assessment Grading	283
Research Activities	283
CONCLUDING REMARKS	283
REFERENCES	284
SUBJECT INDEX	288

CHAPTER 1

The Evolution of Artificial Intelligence from Philosophy to New Frontier

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Abstract: In an era characterized by significant technical advancements in the field of Artificial Intelligence (AI), it is crucial to comprehend AI by considering its origins and future prospects. This chapter examines the historical origins of artificial intelligence (AI) and explores its relationship with philosophy. It also delves into the significant inquiries that philosophy poses regarding AI, encompassing its metaphysical, epistemological, and axiological dimensions. The chapter additionally provides an overview of the historical context of artificial intelligence (AI), its various manifestations, its theoretical underpinnings, and a framework that establishes a correlation between humans and machines, referred to as “Human-machine Teamwork.” The chapter also explores the importance of AI in several fields and illuminates emerging areas where artificial intelligence is also examined, giving rise to significant inquiries. The objective of this chapter is to offer comprehensive knowledge and a fresh viewpoint on the examination of AI by its users, producers, and designers.

Keywords: Artificial Intelligence, Artificial wisdom, Education, Human wisdom, New frontiers, Philosophical considerations.

INTRODUCTION

AI is often thought of as “a system's ability to interpret external data correctly, to learn from such data, and to use that learning to achieve specific goals and tasks through flexible adaptation” [1]. Artificial Intelligence (AI) refers to the field of study and development focused on creating intelligent computers. Intelligence, in this context, is the ability of an entity to operate effectively and with anticipation within its surroundings [2]. AI, or artificial intelligence, refers to the intelligence

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