AIMI
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كلية أبوظبي للإدارة
ABU DHABI SCHOOL OF MANAGEMENT

AI IN THE UAE: LEADERSHIP IN AI STRATEGY

IN THIS EDITION:

AI for all kinds of leadership

The UAE's leadership in AI is a model for how visionary governance can drive technological advancement. Sheikh Mohammed bin Rashid Al Maktoum's UAE AI Strategy 2031 aims to position the country as a global AI hub, ensuring that leaders across industries integrate AI into national growth plans. Business executives must understand how AI aligns with national policies to leverage opportunities for innovation and efficiency.

AI Research Spotlight: Leadership in AI Innovation

Innovation in AI leadership is shifting from "bigger is better" to focused, high-impact AI tools that drive efficiency and business value. IBM CEO Arvind Krishna has taken a stand on building smaller, more reliable AI models tailored for specific business use cases, diverging from the trend of ever-larger AI models.

This strategic leadership perspective aligns with the idea that AI should augment human intelligence, not replace it. Leaders who embrace targeted AI solutions—rather than simply adopting the most powerful models—will see better ROI, operational efficiency, and workforce engagement.

Moreover, AI-driven innovation is reshaping leadership roles, requiring executives to be digitally fluent. Tomorrow's CEOs, CFOs, and decision-makers must understand AI beyond automation—they must leverage AI for strategic foresight, risk management, and workforce optimization.

Key Leadership Takeaway: AI-savvy leaders will outperform competitors. The future of leadership requires understanding AI's strategic role in business transformation.

AI & Sustainability: Responsible Leadership in the AI Era

Sustainable leadership in AI involves balancing technological progress with environmental responsibility. AI is transforming industries like renewable energy, smart cities, and carbon footprint reduction, enabling leaders to make data-driven sustainability decisions.

For instance, AI-powered predictive analytics in energy grids optimize electricity use, reducing waste and increasing efficiency. Companies like Google use AI to cut data center energy consumption by 40%, demonstrating how executives can leverage AI to meet ESG (Environmental, Social, and Governance) goals.

However, the rise of large AI models also raises concerns about high energy consumption. Ethical leadership means making AI deployment decisions that prioritize efficiency, transparency, and environmental sustainability. The next generation of AI-literate CEOs will need to ensure AI is used responsibly—enhancing business operations while reducing ecological impact.

Key Leadership Takeaway: Executives must embed AI into sustainability strategies, balancing innovation with ethical environmental impact.

AI AT AIMI

We are delighted to announce that Dr. Divya Upadhyay, Assistant Professor of Management at the Abu Dhabi School of Management (ADSM), has been featured in the latest issue of Innovation@UAE Magazine (Issue 9, 2024), published by the Ministry of Higher Education and Scientific Research. Her article, titled "How Does AI Pose Challenges for Leaders in Organizations?", provides an insightful overview of the challenges that Artificial Intelligence (AI) presents to leaders and managers. It discusses various strategies to effectively address these challenges, offering recommendations and guiding principles to enhance human-AI collaboration and adapt the workforce with uniquely human skills, while also discussing future implications.

Dr. Upadhyay's research focuses on the intersection of technology and management, exploring how emerging technologies like AI impact organizational leadership and decision-making. Her work contributes significantly to understanding the evolving dynamics between AI systems and human leadership, providing valuable insights for organizations navigating the complexities of digital transformation.

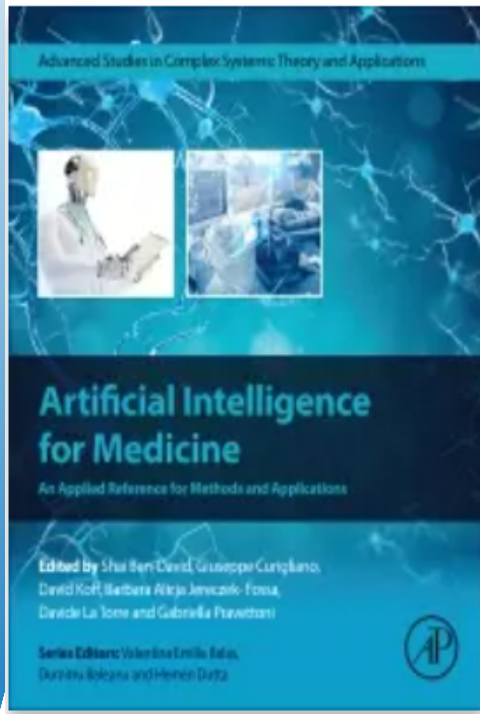
ADSM is proud of Dr. Upadhyay's achievements and her contributions to advancing knowledge in the field of management. Her feature in Innovation@UAE Magazine underscores the school's commitment to fostering innovative research that addresses contemporary challenges in the business world.

For a comprehensive understanding of Dr. Upadhyay's insights on AI and leadership, we encourage readers to explore her article in Innovation@UAE Magazine in the link below:

https://issuu.com/mohesruae/docs/issue_9_-_innovation_uae_magazine_en

AI AT AIMI

We are honored to welcome Prof. Davide La Torre to our community. A distinguished applied mathematician and AI expert, he is a Full Professor at SKEMA Business School in France. With over 25 years of academic experience across multiple continents, he holds an HDR from Université Côte d'Azur and a Doctorate from the University of Milan. Dr. La Torre has over 220 Scopus-indexed publications and co-authored Transformations in Banking, Finance and Regulation: AI and Beyond for Finance, exploring AI's role in finance. His research continues to shape AI applications across business and technology.



Prof. Davide, our esteemed visiting professor, is a distinguished contributor to the field of artificial intelligence in medicine. As one of the authors of Artificial Intelligence for Medicine (Elsevier), he brings invaluable expertise and insights into the intersection of AI and healthcare, enriching our academic community with his knowledge and experience.

AI & Healthcare: Dr. Davide La Torre's Latest Research on Predicting Parkinson's Disease Progression

In a joint paper, Prof. Davide La Torre and his co-authors explore the use of deep learning to predict Parkinson's disease (PD) progression, a major challenge in neurology. The study leverages the Parkinson's Progression Markers Initiative dataset, using MRI scans and clinical assessments to develop a hybrid AI model that integrates 3D Convolutional Neural Networks (3D-CNN) with Long Short-Term Memory (LSTM) layers.

This advanced AI framework captures both spatial and temporal patterns of disease progression, classifying PD into four stages based on the Hoehn and Yahr scale. The model achieves a 91.90% macro-averaged OVR AUC, demonstrating its potential for early and accurate diagnosis of Parkinson's. This research marks a significant step in using AI for precision medicine and neurological disease management.

🔗 Read More: arxiv.org

This paper highlights Dr. La Torre's expertise in AI-driven healthcare solutions, reinforcing AI's growing role in medical decision-making and patient care.

Predicting Parkinson's disease evolution using deep learning.

Maria Frasca[1,*], Davide La Torre[2], Gabriella Pravettoni[1] Ilaria Cutica[1],

1 Department of Oncology and Hemato-Oncology, University of Milan, Italy 2 SKEMA Business School, Université Côte d'Azur, Sophia Antipolis, France

*** maria.frasca@unimi.it**

Abstract

Parkinson's disease (PD) is a neurological condition that occurs in nearly 1% of the world's population. The disease is manifested by a sharp drop in dopamine production, symptoms are cognitive and behavioural and include a wide range of personality changes, depressive disorders, memory problems, and emotional dysregulation, which can occur as the disease progresses. Early diagnosis and accurate staging of the disease are essential to apply the appropriate therapeutic approaches to slow cognitive and motor decline.

Currently, there is not a single blood test or biomarker available to diagnose Parkinson's disease. Magnetic resonance imaging (MRI) has been used for the past three decades to diagnose and distinguish between PD and other neurological conditions. However, in recent years new possibilities have arisen: several AI algorithms have been developed to increase the precision and accuracy of differential diagnosis of PD at an early stage.

To our knowledge, no AI tools have been designed to identify the stage of progression. This paper aims to fill this gap. Using the "Parkinson's Progression Markers Initiative" dataset, which reports the patient's MRI and an indication of the disease stage, we developed a model to identify the level of progression. The images and the associated scores were used for training and assessing different deep-learning models. Our analysis distinguished four distinct disease progression levels based on a standard scale (Hoehn and Yah scale). The final architecture consists of the cascading of a 3DCNN network, adopted to reduce and extract the spatial characteristics of the RMI for efficient training of the successive LSTM layers, aiming at modelling the temporal dependencies among the data. Our results show that the proposed 3DCNN + LSTM model achieves state-of-the-art results by classifying the elements with 91.90% as macro averaged OVR AUC on four classes

Introduction

Parkinson's disease (PD) is a neurological condition that is seen more frequently in the elderly. Nearly 1% of the world population is affected by PD and several affected

AI AT AIMI

Prof. Naveed Yasin is a Professor of Entrepreneurship and Management and the Director of the ADSM Management Incubator (ADMI) at the Abu Dhabi School of Management (ADSM). He has recently been awarded the prestigious Principal Fellowship from Advance HE, a recognition bestowed upon distinguished academics who have made a profound impact on teaching, learning, and academic leadership.

Prof. Yasin's career is marked by his dedication to fostering entrepreneurial thinking, student engagement, and faculty development. At ADSM, his leadership within the ADMI has empowered students with entrepreneurial skills and industry insights, bridging the gap between academia and real-world business challenges. His research contributions extend to higher education policies, academic integrity, and business innovation, aligning closely with ADSM's mission to cultivate future leaders in management and entrepreneurship.

ADSM takes immense pride in Prof. Yasin's achievements, which underscore the institution's commitment to academic excellence, impactful research, and leadership in business education.

Enhancing Academic Integrity Among Students in the GenAI Era: A Holistic Framework

Prof. Naveed Yasin is a co-author of the research paper titled "Enhancing Academic Integrity Among Students in the GenAI Era: A Holistic Framework," published in The International Journal of Management Education. This paper addresses the challenges and opportunities posed by Generative AI (GenAI) in higher education and proposes a comprehensive academic integrity framework to ensure ethical and responsible use of AI tools by students.

About the Research Paper

With the rapid adoption of GenAI tools such as ChatGPT, Copilot, and Gemini, higher education institutions (HEIs) face new challenges in maintaining academic integrity. While these tools provide enhanced learning experiences, they also create ethical concerns related to plagiarism, over-reliance on AI, and authenticity of student work.

The study proposes a stakeholder-driven approach, identifying three key groups essential to upholding academic integrity:

1. Students – Encouraging collaborative learning, critical thinking, and AI literacy to reduce dependency on AI-generated content.
2. Educators – Implementing innovative assessment strategies, project-based learning, and authentic assessments to promote ethical engagement with AI.
3. Institutions – Developing clear AI policies, fostering a culture of academic honesty, and investing in AI detection technologies to safeguard integrity.

The paper outlines eight strategic interventions that HEIs can implement, along with the challenges (financial, strategic, operational, and cultural) associated with adopting an AI-integrated academic integrity model.

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Enhancing academic integrity among students in GenAI Era:A holistic framework

Tareq Rasul [a], Sumesh Nair [a], Diane Kalendra [a], M.S. Balaji [b, *], Fernando de Oliveira Santini [c], Wagner Junior Ladeira [c], Raouf Ahmad Rather [e], Naveed Yasin [f], Raul V. Rodriguez [d], Panagiotis Kokkalis [g], Wahid Murad [h], Md Uzir Hossain [i]

[a] Australian Institute of Business (AIB), Adelaide, Australia
[b] Rennes School of Business, France
[c] Universidade do Vale do Rio dos Sinos (UNISINOS), Sao Leopoldo, Brazil
[d] School of Business, Woxsen University, Hyderabad, India
[e] Scientific Researcher, Kashmir, India
[f] Department of Creative Industries and Entrepreneurship, Canadian University Dubai, India
[g] Rochester Institute of Technology of Dubai, United Arab Emirates
[h] University of South Australia, Australia
[i] Putra Business School, Malaysia

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ABSTRACT

The introduction of Artificial Intelligence (AI), specifically Generative AI (GenAI), has significantly transformed the higher education landscape. Despite the opportunities GenAI offers to students, they pose significant challenges for academic integrity. Thus, it is crucial for higher education institutions (HEI) to balance the use of GenAI for enhancing the learning experience of students with its ethical and responsible use in their educational journey. The present study proposes a comprehensive academic integrity framework focusing on three key stakeholders: students, educators, and institutions. We propose eight strategies ranging from collaborative learning for students to developing a comprehensive GenAI policy for institutions in maintaining academic integrity among students in HEI. Furthermore, we identified four challenges, namely financial, strategic, operational, and cultural, in the implementing a comprehensive academic integrity framework in the GenAI era. This study offers significant insights for HEI to maintain academic integrity among students in the GenAI era.

1. Introduction

The introduction of Artificial Intelligence (AI) has significantly transformed the learning and teaching approaches in the higher education context (Crompton & Burke, 2023; Zawacki-Richter et al., 2019). Particularly, the integration of AI tools and applications

CORRECTED PROOF

You can request a copy of this article at https://www.sciencedirect.com

AI Q&A

In this edition of our AI newsletter, we bring you an exclusive Q&A session with Senior Project Manager at the Ministry of Industry and Advanced Technology, Mr. Mohammad Khasawneh. We asked his thoughts some of AI's application in PM.

AI's Role in Project Management

"AI has revolutionized project management by handling scheduling, automating repetitive tasks, and analyzing real-time data to keep everything on track. In government projects, where multiple stakeholders and complex workflows are familiar, AI streamlines coordination, predicts delays and optimizes resource allocation. The result? Fewer disruptions, smoother operations, and better public service delivery."

AI for Risk Management

"One of AI's greatest strengths is identifying risks before they escalate. Analyzing past data predicts budget overruns, delays, and compliance issues. AI assesses environmental, legal, and logistical risks early on in government projects, enabling proactive planning. It continuously monitors progress, providing early warnings so teams can address issues before they become major setbacks."

AI in Decision-Making

"Artificial intelligence can play a crucial role in assisting schools in the UAE to meet the nation's aspirations for innovation, education, and the overall digital transformation initiative. By adopting AI, educational institutions can contribute to the UAE's Vision 2031, which highlights the importance of fostering an innovative, knowledge-driven economy, enhancing human capital, and establishing an education system that is competitive on a global scale."

> **AI is here to stay, and it's only getting smarter**

AI for Resource Allocation

"AI significantly improves resource allocation by optimizing workforce assignments, budgets, and materials. Instead of manual adjustments, AI analyzes real-time data and reallocates resources where they are needed most. In government projects, this ensures an equitable distribution of funds and personnel, reduces waste, and enhances the efficiency of public services."

AI-Driven Automation in Projects

"Automation has transformed project management. AI handles routine tasks like generating reports, scheduling meetings, and processing approvals. Chatbots manage basic inquiries, freeing managers to focus on strategy. In government projects, where bureaucracy can slow progress, automation streamlines decision-making, ensuring compliance and allowing teams to concentrate on what truly matters."

AI & Project Performance Tracking

"AI monitors project progress in real time, identifying potential roadblocks before they cause delays. Predictive analytics anticipate risks and suggest solutions, helping teams stay proactive. In government projects, this increases transparency, improves accountability, and strengthens public trust by ensuring projects are completed on time and within budget."

Challenges in AI Adoption for Project Management

"Despite its benefits, adopting AI comes with challenges. Many organizations struggle with data privacy concerns, high costs, and resistance to change. In government settings, outdated systems and complex regulations can slow progress. Ensuring ethical AI use and reducing algorithm bias are crucial for maintaining public trust. The key to overcoming these hurdles? Clear policies, proper training, and a phased approach to AI integration".

The Future of AI in Project Management

"AI is here to stay, and it's only getting smarter. More advanced communication, automation, and decision-making tools will continue to evolve. Virtual project assistants and predictive analytics will enable managers to make quicker, data-driven decisions. In government projects, AI will enhance infrastructure planning, optimize resource allocation, and streamline policy execution, making public services more efficient and responsive. The future of AI in project management? It's just beginning."

WHAT'S ON IN AI?

ADAIA AGENTIC AI WORKSHOP:
Business Automation with AI Agents

Date: Thursday, February 20, 2025
Location: IN5 Tech, Dubai

AI TOOLS FOR PROJECT MANAGEMENT

AI-driven project management platforms are transforming the way teams collaborate, automate workflows, and predict project risks. Here are some of the most impactful AI tools:

- 🔹 Asana – Ideal for enterprise teams, providing AI-powered task recommendations and workflow automation.
- 🔹 Hive – Best for remote teams, featuring real-time AI collaboration tools and automated scheduling.
- 🔹 ClickUp – Uses natural language processing for intuitive task creation and AI-driven workload balancing.
- 🔹 Wrike – Focuses on AI-based risk prediction and automated project updates, making it perfect for high-risk environments.
- 🔹 Height App – Designed for agile teams, offering predictive scheduling and AI-powered task tracking.

With AI automating repetitive tasks and optimizing workflows, leaders can focus on strategy rather than micromanagement.

Asana	**AI-powered productivity recommendations, workflow automation, and task prioritization.**	**Enterprise teams managing complex projects.**
Hive	Real-time collaboration, AI-driven task scheduling, and automated workflows.	Remote teams and real-time collaboration.
ClickUp	Natural language processing for task creation, AI-powered reporting, and workload balancing.	Versatile teams needing AI-driven automation.
Wrike	AI-based risk prediction, automated project updates, and workflow customization.	Project risk management and optimization.
Height App	AI-powered task tracking, predictive scheduling, and collaborative project management.	Agile teams requiring intuitive AI automation.