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The growing use of Artificial Intelligence (AI) in education is revolutionising evaluation methods and learning environments. In assessing student work, AI-based grading systems offer objectivity, consistency, and efficiency. From automated essay scoring systems to standardised exams, these technologies assert to be fair and objective assessments. However, the precision of algorithms raises some significant concerns and questions: can AI really evaluate critical thinking and creativity? More importantly, are these systems naturally biased? Do they subtly distort assessments? Is human teacher assessment really free from prejudices? Can human evaluators give equally innovative responses the same marks? Many reports from several Indian institutions have exposed incidents of biased assessments by human evaluators.

Marking subjective work
Whether the assessment is objective or descriptive, AI performs well to evaluate Engineering and scientific disciplines, particularly when given reference notes for LLMs and probable solution strategies. It can effectively review thousands of student writings, therefore relieving teachers of some of their work and guaranteeing



Fair and objective?

Analysing the impact of using Artificial Intelligence in assessing student work in higher education

consistent marking. But when assessing subjective work such as essays, literary analysis, or philosophical arguments, AI assessment is not so appropriate since subjectivity allows for several points of view and interpretations. The subjectivity of a student's answer cannot be constrained by strict criteria or limits. Critical thinking and creativity do not live by strict rules. For AI, the capacity of a student to offer original viewpoints, participate in sophisticated debate, or use metaphorical and symbolic language is

tough to gauge. AI sometimes struggles to understand abstract concepts, humour, irony, and creativity even while it can evaluate structural aspects, coherence, and lexical richness. Within a limited period, AI can effectively evaluate objective-based criteria for several students. Unlike an objective-type question, a philosophical inquiry such as what is beauty lacks a single, clear response. Rather, it encourages several points of view, all of which could be reasonable. In the same vein, take Alfred Tennyson's poem,

Ulysses, can offer different insights over several readings. Here, AI-assisted evaluation struggles to precisely evaluate the depth, nuance, and originality of subjective answers. **Challenges** Usually assembled from previously graded papers, AI systems learn from large datasets, which sometimes include prejudices carried on from human assessors. Studies have revealed that graduates of AI could appreciate verbose writing, criticise non-native English speakers, or

undervalue unorthodox ideas that deviate from the prevalent trends in the training data. Sometimes, contextual understanding presents challenges for AI. In literary or philosophical articles, where arguments depend on historical or cultural background, AI's incapacity to deduce some deeper meanings may lead to erroneous assessments. An AI model taught on Western literature, for instance, might not correctly evaluate a work anchored in Eastern philosophy or indigenous storytelling traditions. However, Retrie-

val-Augmented Generation (RAG) AI technology can help eliminate false information and increase accuracy. One basic question arises: Should AI completely replace human teacher evaluation? Although it can help simplify tests, it is difficult to completely remove human judgement. Teachers contribute a necessary qualitative viewpoint that AI, in some circumstances, lacks. They value uniqueness in ways that robots cannot, know the complexity of arguments, and grasp the change of perspective of a student. But, as everyone sees things differently, human assessment could potentially have aspects of prejudice. By contrast, AI-based assessment guarantees openness by following well defined, predefined standards. As the evaluation process is kept under track, any student can access their marks and the distribution of scores depending on several criteria at any moment. Human evaluation may not always allow this degree of uniformity and accessibility. Every system of evaluation has benefits and drawbacks of its own. As many analysts advise, the best way to guarantee accuracy and fairness would be a hybrid strategy combining AI evaluation with human supervision and ongoing monitoring.

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SCHOLARSHIPS

D. K. Bhawe Scholarship
An opportunity offered by the Savitribai Phule Pune University.
Eligibility: Open to graduates of the Engineering Faculty of the Savitribai Phule Pune University, or final-year students pursuing B.E. or B.Tech programmes in any branch of an NBA-accredited institute who have secured merit-based admission for a Master's programme in Engineering and Technology at an accredited university in the U.S., Canada, Germany, or the U.K. and have a minimum Grade B record
Rewards: 50% of total cost of first year fees maximum
Application: Online
Deadline: May 30
www.b4s.in/edge/DKBSI

Post-Matric Scholarship for OBC Students, Delhi
Offered by the Ministry of Social Justice and Empowerment, Government of India, and managed by the Department of Welfare of SC, ST, OBC.

Eligibility: Students from OBC community domiciled in Delhi and pursuing studies in a recognised institution at the post-matriculation level with at least 75% attendance and an annual family income not exceeding ₹2,50,000.
Rewards: Up to ₹10,000 for tuition fees and ₹10,000 annual allowance.
Application: Online
Deadline: May 31
www.b4s.in/edge/PMDSI
IET India Scholarship Award
An initiative from the Institution of Engineering and Technology (IET).
Eligibility: Open to first-, second-, third-, or fourth-year Engineering students in a full-time UG course from AICTE or UGC-approved institutions who have cleared all credit courses in a single attempt with a minimum aggregate 60%.
Rewards: ₹1,000,000
Application: Online
Deadline: May 31
www.b4s.in/edge/IET5

Courtesy: buddy4study

Competition

Samsung has launched the fourth edition of its Solve for Tomorrow initiative, a nationwide contest for students in the 14-22 age group to submit solutions across four key themes: AI for a Safer, Smarter, and Inclusive Bharat; Future of

Health, Hygiene, and Well-being in India; Social change through Sports and Tech for Education and Better Futures; and Environmental Sustainability via Technology. Last date to apply is June 30. For details, visit www.samsung.com/in/solvefortomorrow/



OFF THE EDGE
Nandini Raman

What's your path?

Uncertain about your career options? Low on self-confidence? This column may help.

I am in the fourth year of BVA-Audiography. I joined the course due to my passion for music and the technical side of its production. However, my interest has waned. I began reading newspapers daily over the last two years on my lecturer's advice. Now I wish to move from visual media to the print media or library science, or the information and communications sector. I am also interested in environmental issues. What can I do and what are my career options? Hari

Dear Hari,
Build a portfolio your work, whether it's writing samples, audio production, or other relevant projects. Gain practical experience via internships, volunteer work, and freelance projects to build your resume. Connect with professionals in your fields of interest. Depending on your chosen career path, a PG degree or diploma may help you step into your desired career. For a career in the journalism, build a portfolio of writing samples on environmental issues, music, or other topics that interest you. Consider a PG diploma or degree in journalism or mass communication. Internships or freelance opportunities with newspapers, magazines, or online publications will help develop strong writing, editing, and research skills. You could become a reporter, feature writer or copy editor. For a career in Library Science/Information and Communications, consider a Master's in Library and Information Science (MLIS).

Explore opportunities in digital libraries, archives, and information management roles. Career options include librarian, archivist, information manager, digital content manager and so on. The information and communications sector is very broad with roles across public relations, corporate communications, or social media management. Develop skills in content creation, social media marketing, and digital communication. You could be a communications officer for an NGO, social media manager or a content creator. Your interest in environmental issues can be integrated into any of the above career paths. Volunteer with environmental organisations, seek opportunities to write or create content and consider postgraduate studies in related courses. You can work as an environmental journalist, communications officer for a NGO, researcher at a think tank or work for governmental agencies.

I love the tech world and have some good projects and papers. I also love to learn about finance and business strategies. Is an MBA a good option to leverage both interests? Deepa

Dear Deepa,
An MBA will provide you with the basic, core business foundation, provide leadership skills, networking opportunities, career advancement and leadership roles. A specialisation in technology management, finance, entrepreneurship, or

product management will give you the business acumen to complement your technical skills. Other options can be product management, technical consulting, Fintech (financial technology), venture capital/private equity, data analytics or business intelligence and entrepreneurship. Read up on business and finance strategy, follow industry trends and news and take online courses in business-related topics. Network and leverage online platforms like LinkedIn. Consider working for a start-up or a company that operates at the intersection of these two fields to gain some practical experience before you create a career for yourself.

I am an EEE graduate, working as a software engineer for 18 months. I attempted the UPSC exam but did not clear it. Now I am trying for a job in software development and preparing for MBA entrance exams. Should I do a Master's in Public Policy or Developmental Studies? Lavender

Dear Lavender,
You seem to be a little all over the place right now. Your engineering background is a valuable asset. The UPSC attempt indicates interest in public service. Your next step should align with your long-term goals and values. Clarify your priorities. What are you passionate about? What is more important: financial security or social impact? Software Development will leverage your existing skills and experience, offers good prospects and earning

potential and provides a stable, in-demand career path. But it may not align with your passion for public service. An MBA, will enhance your business acumen and leadership skills, open doors to management and consulting roles in the tech industry. But it requires significant time and financial investment and may not address your interest in public policy. A Master's in Public Policy or Developmental Studies aligns with your interest in public service, provides an understanding of policy-making and development issues and opens opportunities in government, international organisations and the non-governmental sector. However, it may require a career shift and potential salary adjustments. The job market is also more competitive than the tech sector and less secure financially.

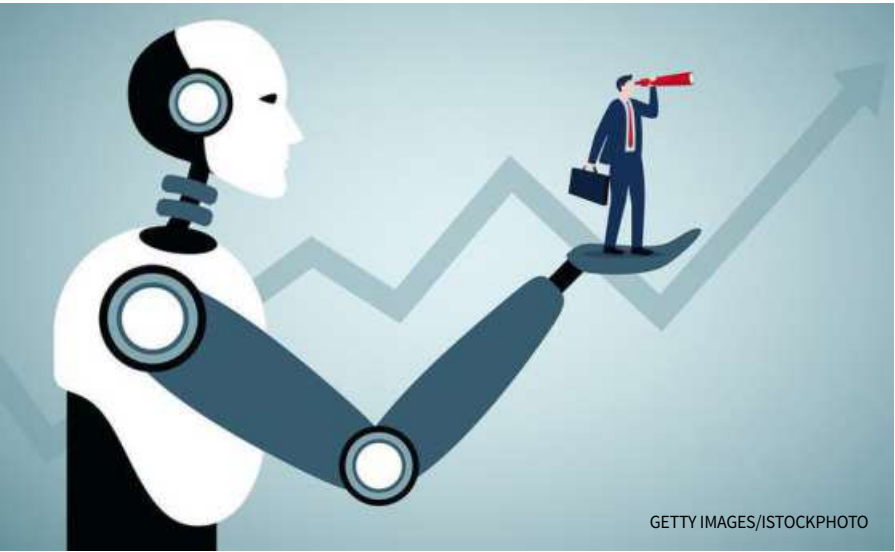
Can you integrate your technical skills with your interest in development? For example, work on technology solutions to social problems or pursue a career in e-governance or data-driven policy-making, or work for a tech company that focuses on social impact. Gain relevant experience and volunteer with NGOs or organisations that work on issues you care about. Explore online courses or certifications in public policy or development. Talk to people in public policy and developmental studies about their career paths and work. This will help you to decide if this is right for you.

I am in Class 12 (Humanities) and want to do B.A. Economics. Is it a Central University better than a private university? Also, what will be my career prospects? Mithun

Dear Mithun,
Central Universities are more affordable due to significantly lower tuition fees. Many have experienced and reputed faculty with well-established and rigorous academic programmes. They attract students from diverse backgrounds and have a strong alumni network. But their admission process can be highly competitive, infrastructure can vary (some lack modern facilities compared to the well-funded private universities) and the system may be bureaucratic. Private universities often have more modern infrastructure and state-of-the-art facilities. Most have strong ties with industry, providing internship and placement opportunities and may offer more flexible and specialised programmes. The tuition fees is significantly higher. But the quality of education can vary greatly between institutions. After B.A. Economics, career paths can be across Finance and Banking (commercial, investment), financial analysis, Investment management, insurance and others. Jobs will be available in the government and public sector through the civil services, research and academia, data analysis and in the NGO sector.

Disclaimer: This column is merely a guiding voice and provides advice and suggestions on education and careers.

The writer is a practising counsellor and a trainer. Send your questions to eduplus.thehindu@gmail.com with the subject line Off the Edge



The AI-Business connection

Management institutes must equip students with strategic, ethical, and practical expertise to lead and innovate in an AI-driven business world.

Gaurav Sarin

With AI drastically changing organisational landscapes, management students must understand its strategic ramifications and technological underpinnings. AI affects crucial domains like operations, finance, marketing, and human resources and so Business schools should ensure that the curriculum emphasises topics such as automation, AI-driven decision-making, predictive analytics, and consumer insights. Recognising AI's limits, such as data biases, privacy issues, and the need for human oversight in crucial decision-making processes is also necessary, as is the need to be in line with legal requirements, ethical governance and regulatory compliance. B-Schools need to address the adoption of AI by giving students the tools they need to overcome opposition and propel digital transformation. Students must be taught how to integrate AI into company strategy, match AI projects with corporate

goals, and cultivate innovative attitudes. Further, they have to learn to close the gap between technical know-how and business strategy by collaborating with data scientists and AI experts. This requires a diversified strategy that includes data analytics classes, AI-driven case studies, and simulations, internships and industry partnerships and workshops by industry experts. Real-world experience Practical and experiential learning will help combine academic understanding, practical application, and experiential learning. Students can gain real-world experience of how AI influences decision-making in the business sector through activities such as case studies and AI-powered analytics seminars. The use of interactive learning tools and simulation of real-world business environments can also help enhance problem-solving and strategic thinking skills. Emphasis on the ethical aspects and governance of AI will make students

aware of the possibilities of bias and issues of transparency, and regulatory compliance. Inspire creativity Not only will this lead to students being better equipped to navigate the complexities of AI adoption but also inspire them creatively. Learning can be further improved through the use of tailored learning platforms, workshops and seminars. The introduction of AI into a wide range of business disciplines enables B-Schools to ensure that graduates are equipped with the analytical and strategic abilities essential to thrive in a future that is driven by AI. In conclusion, a complete AI curriculum not only enhances students' technical understanding but also equips them with the ability to implement AI in a manner that is strategic, ethical, and imaginative within the context of the corporate ecosystem. The writer is Associate Professor in the Information Systems and Analytics Area and Chairperson of the MBA (AI and DS) programme at TAPMI, Manipal.

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