

Special Issue - Call for Papers

Education 6.0: Reengineering Intelligent and Sustainable Learning Systems



The rapid convergence of artificial intelligence, data-driven analytics, and emerging digital technologies is fundamentally transforming higher education institutions worldwide. Education 6.0 represents a new paradigm shift, moving beyond digital classrooms and e-learning toward the design of intelligent, adaptive, and sustainable learning ecosystems. This transformation encompasses the redesign of institutional governance, learning experience architectures, and strategic management of IT-enabled educational systems.

The emergence of Education 6.0 represents a paradigm shift where advanced technological engineering meets human-centric and sustainable imperatives. It goes beyond the digital transformation of classrooms to propose a fundamental reengineering of how knowledge is created, adapted, and shared.

This special issue focuses on the design, implementation, and evaluation of next-generation learning systems that leverage Artificial General Intelligence (AGI), immersive environments, and neuro-adaptive technologies, while strictly aligning with eco-responsibility and social sustainability.

This Special Issue invites original research contributions that examine how IT-enabled systems contribute to institutional performance, governance, innovation, and sustainable value creation in higher education. We seek high-quality, original research papers, comprehensive reviews, and visionary conceptual frameworks that address both the technological architectures and the pedagogical, ethical, and environmental dimensions of these systems.

Topic Areas

Contributors are invited to submit papers addressing, but not limited to, the following axes:

- **Architectures of Intelligent and Cognitive Learning Systems**
 - AI-driven hyper-personalization, predictive learning analytics, and intelligent tutoring systems.
 - Adaptive learning platforms based on cognitive, neuro-adaptive, and emotional computing.
 - Quantum computing, edge computing, and emerging algorithmic approaches in educational infrastructures.
 - Human-centered AI, algorithmic fairness, and mitigating cognitive bias in educational platforms.
- **Reengineering Immersive, Ubiquitous, and Smart Spaces**
 - Interoperable educational metaverses and extended reality (AR/VR/XR) frameworks.
 - Smart campus infrastructure, IoT applications, and digital twin applications in education management.
 - Seamless integration of physical, digital, and virtual learning environments.

- Cloud computing, blockchain applications for credentialing and secure education management.
- **IT Governance, Strategy, and Institutional Transformation**
 - Digital transformation strategies and IT governance in smart higher education institutions.
 - Data analytics and learning analytics for strategic and institutional decision-making.
 - Organizational change management, leadership, and fostering a digital culture in academia.
 - Cross-institutional collaboration, open innovation ecosystem, and measuring the business and social value of EdTech.
- **Sustainability, Eco-Design, and Social Equity**
 - Green IT practices, eco-design, and reducing the carbon footprint of massive educational systems.
 - Equity, inclusion, and universal accessibility in AI-enabled educational environments.
 - Designing curricula for global sustainability, climate literacy, and long-term socio-economic viability.
- **Policy, Competencies, and Human-Centric Governance**
 - Policy, regulation, ethical governance, and quality accreditation in the era of intelligent education systems.
 - Competency frameworks and workforce development tailored for Education 6.0.
 - Human-machine symbiosis and fostering uniquely human skills (soft skills, empathy, critical thinking) within automated systems.

Keywords

Education 6.0, Intelligent Learning Systems, AI in Higher Education, Digital Transformation, Sustainable EdTech, Learning Analytics, Smart University, IT Governance in Education, Adaptive Learning, Educational Innovation.

Submission Procedures

Authors are invited to submit original, unpublished manuscripts that have not been submitted simultaneously to another journal.

All submissions must strictly comply with the author guidelines available on the JITM journal website (<https://jitm.ut.ac.ir/journal/authors.note>).

All submitted manuscripts will be subjected to a rigorous double-blind peer review process. Submissions must be prepared according to JITM's formatting standards (https://jitm.ut.ac.ir/data/jitm/news/JITM_Style%2C_2024.doc).

For this Special Issue, manuscripts should be **submitted directly by email to the corresponding Guest Editor**. Authors will receive an acknowledgment of receipt upon submission.

For queries, please contact the corresponding Guest Editor.

Article Processing Charge (APC): \$300 per paper.

Indexing and Abstracting

The Journal of Information Technology Management (JITM) is indexed and abstracted in major international databases, including SCOPUS, SJR (Scimago Journal Rank), DOAJ, EBSCO (Business Source Ultimate/Complete), and Google Scholar.

For more detailed information regarding the journal's coverage: <https://jitm.ut.ac.ir/journal/indexing>.

Important Dates

- **Submission Deadline:** September 30th, 2026
- **Review Rounds Decision:** November 30th, 2026
- **Final Revised Manuscript Due:** December 30th, 2026
- **Final Acceptance Notification:** January 31th, 2027
- **Online Publication:** February, 2027

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