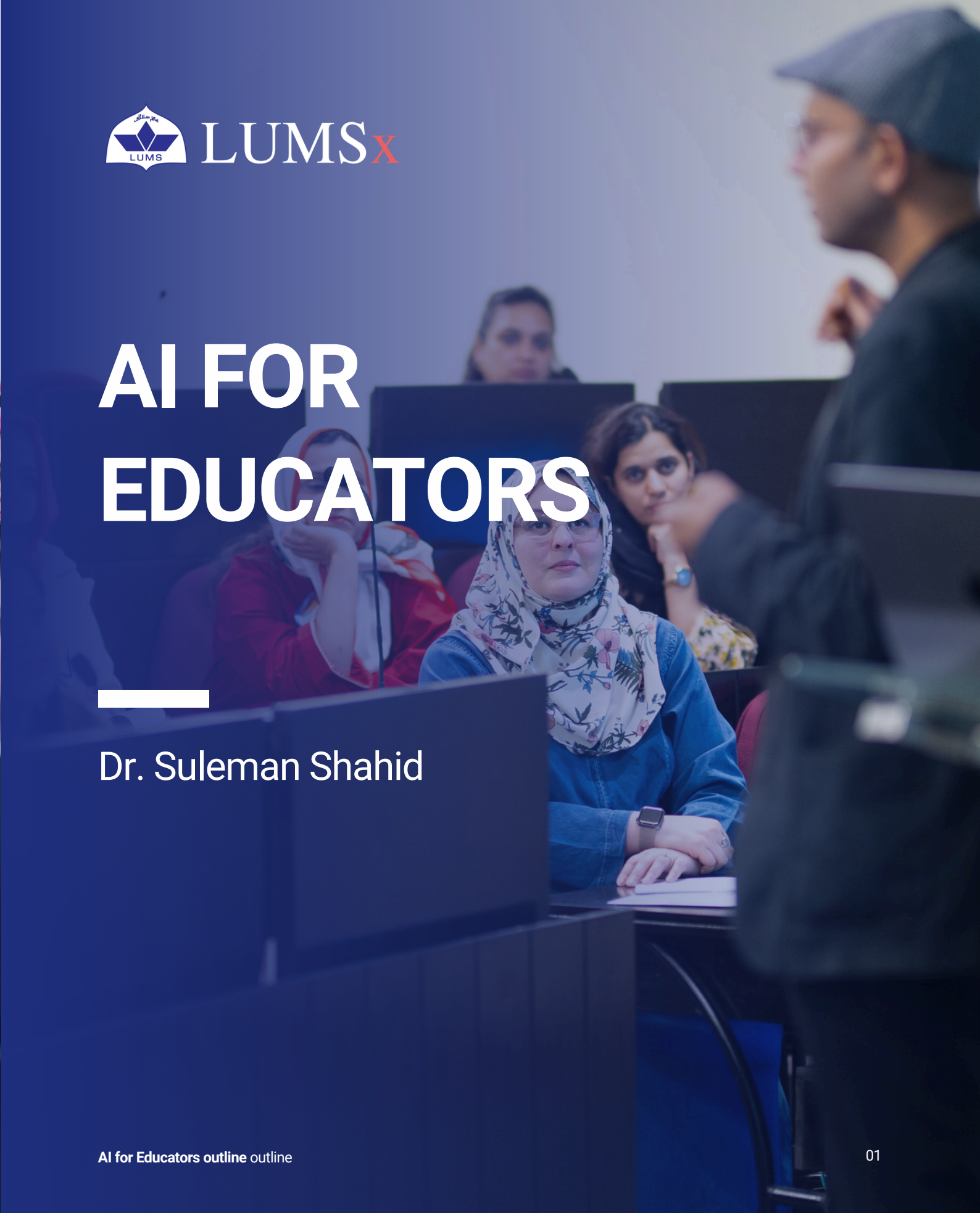
LUMSx

AI FOR EDUCATORS

Dr. Suleman Shahid



LUMSx is the center for online learning and professional development at LUMS. We extend LUMS' excellence in teaching and research beyond its borders by leveraging technology and innovative pedagogy. Our courses aim to bridge critical knowledge & skill gaps for Pakistani learners and to meet their diverse learning needs, we offer **Massive Open Online Courses** (MOOCs), **Hybrid Courses**, **Synchronous (Live) Courses**, and **Free Open Online Courses** (OpenCourseWare). We intend to harness technology for enhancing access, improving educational quality, and amplifying education's impact.

Course Format: Online-Cohort
Language: Bilingual
Duration: 5 Weeks

Note: For more details about the dates and pricing, please visit our website

VISIT COURSE PAGE

ABOUT THIS COURSE

This course is designed to help both **K–12** and **higher education educators** explore practical and responsible ways to integrate AI into teaching and learning environments. Through short lessons, tool demonstrations, and hands-on activities, participants will learn how AI can support lesson planning, student engagement, assessment, differentiation, and academic productivity while ensuring safe, ethical, and age-appropriate use. By the end of the training, educators will be equipped to meaningfully and responsibly integrate AI tools into their teaching practices to enhance learning experiences and improve classroom and instructional outcomes.

WHO IS THIS COURSE FOR?

This course is designed for **K–12** and **higher education teachers**, curriculum designers, and academic leaders who want to meaningfully integrate artificial intelligence into their teaching practice. Whether you are new to AI or already experimenting with tools like ChatGPT, this course will help you understand core AI concepts, evaluate tools, and apply them effectively for lesson planning, assessment, and student engagement across different educational contexts.

WHAT WILL YOU LEARN

By the end of this course, you will be able to:

- Explain core concepts of artificial intelligence and its applications in education.
- Evaluate and use AI tools for lesson planning, content generation, assessment, and student feedback.
- Design classroom activities that integrate AI meaningfully and ethically.
- Recognize risks and limitations of AI, including privacy concerns, hallucinations, and bias.
- Apply AI strategies tailored to their educational context in K–12/Higher-Education.
- Foster AI literacy and responsible use among students

MEET YOUR INSTRUCTOR

Course Instructor

DR. SULEMAN SHAHID

Associate Professor, LUMS

Dr. Suleman Shahid is an Associate Professor of Computer Science at LUMS and Director of the Computer-Human Interaction for Inclusion, Wellbeing, and Learning (CHISEL) Lab, where he develops inclusive technologies to support learning, wellbeing, and mental health. He leads the Open Data Pakistan initiative and is affiliated with the National Center on Big Data and Cloud Computing.

As Founding Director of LUMSx and the LUMS Learning Institute, he has advanced digital innovation in teaching and professional development. His research focuses on assistive and immersive technologies (VR/AR) for autism, dyslexia, ADHD, dementia, and depression.

COURSE OUTLINE

MODULE	LEARNING OUTCOMES
Understanding AI in Education	• Define artificial intelligence and distinguish it from common misconceptions. • Describe the evolution of AI and its emerging applications in education. • Explain key concepts related to machine learning and large language models relevant to teaching contexts. • Analyze the potential implications of AI for teaching, learning, and the future of work in education.
Key AI Tools for Teaching & Learning	• Identify and use AI tools that support lesson planning, student engagement, and assessment. • Apply prompt engineering techniques to effectively interact with AI tools for teaching tasks. • Evaluate the benefits and limitations of AI tools in instructional practice, particularly in grading and feedback.
Designing with AI: Pedagogical Use Cases	• Use AI tools to design differentiated and inclusive learning tasks for mixed-ability learners. • Design AI-enhanced assessment and feedback strategies to support student learning. • Co-create classroom activities or projects that meaningfully integrate AI tools.
Ethical, Responsible, and Critical AI Use	• Identify potential risks of AI and their impact on teaching and learning. • Analyze ethical dilemmas and equity considerations in AI use within educational contexts. • Explain the importance of teaching AI literacy to students. • Evaluate AI integration plans and propose improvements based on ethical and pedagogical principles.

COURSE OUTLINE

MODULE	LEARNING OUTCOMES
AI for K-12 Classrooms	• Integrate AI-powered tools into classroom management practices to enhance efficiency while maintaining teacher authority and student agency. • Identify potential risks associated with AI use for children and apply strategies to promote safe and ethical engagement with AI technologies. • Design classroom guidelines or an AI Code of Conduct that supports responsible and secure AI use. • Develop age-appropriate, AI-enhanced assignments aligned with grade-level learning objectives.
AI for Higher Ed Teaching & Research	• Apply AI tools to provide feedback and manage assessment processes in large classroom settings. • Analyze AI-generated submissions to identify plagiarism risks and propose appropriate interventions. • Redesign a syllabus module or assignment by integrating AI with learning objectives, content, and assessment. • Use AI tools to support academic research and writing by synthesizing scholarly articles, tracking research progress and tasks, and enabling timely feedback for research students.

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ENROLL NOW

*As an **online learning gateway** of LUMS, we aim to extend LUMS' excellence in teaching and research **beyond its borders** by leveraging technology.*