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Spoken Tutorial Pedagogy from IIT Bombay Approved as IEEE Standard —

A Historic First for Indian EdTech

Mumbai, June 27, 2025: In a landmark achievement for Indian education technology, the Spoken Tutorial pedagogy, developed at the Indian Institute of Technology Bombay (IIT Bombay), has been officially approved as a global IEEE Standard (IEEE P2955). This marks the first time an EdTech pedagogy from India has been recognized as an IEEE standard, placing IIT Bombay and the Spoken Tutorial project at the forefront of global digital education.

The standard, titled "IEEE P2955: Recommended Practice for Creating Self-Learning Tutorials and Side-by-Side Learning", defines best practices for designing tutorials that are accessible, scalable and effective for self learning. The methodology has already transformed digital skilling across India, benefiting millions of learners in schools, colleges and underserved communities.

Prof. Shireesh B. Kedare, Director, IIT Bombay said, "The approval of Spoken Tutorial as an IEEE standard is a proud moment for IIT Bombay and for India. It demonstrates that inclusive, home-grown educational innovation can not only scale nationally but also set global benchmarks. This recognition reaffirms our commitment to creating impact-driven technologies that serve society".

The standard is the result of four years of global collaboration, with a committee of around 20 members from various countries meeting monthly to draft, review and finalize the guidelines. It was officially approved by the IEEE Standards Association on June 19, 2025 and will soon be released for global adoption after editorial processing.

Prof. Kannan Moudgalya, Emeritus Professor at IIT Bombay and inventor of the Spoken Tutorial pedagogy said, "This is a validation of our vision that high quality education can reach every learner, no matter where they are. The IEEE standard represents not just technical excellence, but also a commitment to equity in education. I thank the Spoken Tutorial team, the IEEE working group and all our collaborators for making this possible".

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This methodology is currently being implemented in over 1,000 institutions and the tutorials translated into more than 20 Indian languages, enabling digital literacy, vocational training and software skills at scale.

About Spoken Tutorial: The Spoken Tutorial project was developed at IIT Bombay with the goal of democratizing learning through short, script-based, multilingual video tutorials. It has trained over 9 million learners and is widely used in educational institutions, government skilling programs and rural outreach initiatives.

About IEEE: The Institute of Electrical and Electronics Engineers (IEEE) is the world's largest technical professional organization, known for setting global standards across a wide range of engineering and technology domains.

About IIT Bombay: The Indian Institute of Technology Bombay, set up in 1958 as the second IIT, is recognised worldwide as a leader in the field of science and engineering education and research. The Institute was granted the status of 'Institution of Eminence' by the Ministry of Education (the then Ministry of Human Resources Development) on July 9, 2018. IIT Bombay is reputed for the quality of its faculty, cutting edge research, industry relations and the outstanding calibre of students graduating from its undergraduate and postgraduate programmes. The Institute has 17 academic departments, 35 other academic entities (Centres/ Programmes/ Academic facilities/ Hubs/ Externally funded centres and Labs) and three schools. Over the last six decades, more than 75,000 engineers and scientists have graduated from the Institute. It is served by 751 faculty members and about 150 visiting and part-time faculty considered not only amongst the best within the country but also highly recognised in the world for achievements in the field of education and research. On June 19, 2025, IIT Bombay was ranked 2nd in India and 129th in the world in the Quacquarelli Symonds (QS) World University Rankings for 2026. On March 12, 2025, IIT Bombay was ranked 28th in Engineering and Technology in the Quacquarelli Symonds (QS) World University Rankings by Subject for 2025.

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