Spoken Tutorial
Developed at IIT Bombay

EduPyramids
SINE, IIT BOMBAY

Empowering Colleges through Skill-based Education



About EduPyramids

EduPyramids is an educational technology startup incubated at the Society for Innovation and Entrepreneurship (SINE), Indian Institute of Technology Bombay.

EduPyramids builds on the legacy of the multi-award-winning Spoken Tutorial initiative developed at IIT Bombay to democratize high-quality skill education and make learning accessible to every student, regardless of geography, language, or economic background.

At the heart of EduPyramids is the Spoken Tutorial pedagogy, a structured Watch, Practice and Repeat methodology that enables students to independently master practical skills through short, action-oriented audio-video tutorials. This pedagogy has been formally recognized as an IEEE Standard, making it a globally recognized self-learning methodology.

Why Colleges Partner with EduPyramids

Bridge the Employability Gap
Equip students with industry-relevant, hands-on 100+ IT courses aligned with emerging technologies and workplace requirements.

Affordable Skill Education at Scale
Enable thousands of students to access high-quality technical education using Free and Open Source Software (FOSS) at very low cost.

Multilingual Learning
Students can learn in English and 22 Indian languages, improving comprehension and participation across diverse learner groups.

Self-Learning Ecosystem
The Spoken Tutorial pedagogy empowers learners to be self-learners encouraging independent learning while reducing dependency on continuous faculty intervention.

Industry-Relevant Curriculum
Courses focus on practical applications, enabling students to build portfolios, projects, and real-world problem-solving skills.

Credit-Linked Certifications
EduPyramids certification programmes can support credit-based learning initiatives and are useful for students in their academic journey.

AI-Ready Students
Prepare learners for the future through programmes focused on AI, creativity, communication, empathy, and growth mindset.

The Spoken Tutorial Pedagogy



Students learn through:
- Short, structured tutorials
- Hands-on practice
- Repetition for mastery

This approach enables:
- Active learning
- Better retention
- Practical skill acquisition
- Learning by doing
- Independent problem-solving

EduPyramids has 100+ Courses for College Learners

Courses for Arts, Science and Commerce College Learners

Biology, Biochemistry
- PhET Biology
- AutoDock 4
- Biopython
- CellDesigner
- UCSF Chimera

Chemistry
- Jmol
- ChemCollective Virtual Labs
- PhET Chemistry
- GChemPaint
- Avogadro
- ORCA - Computational Chemistry
- LAMMPS Molecular Dynamics Simulator*

Maths
- GeoGebra
- PhET Mathematics
- Scilab
- gnuplot
- Grace
- Applications of GeoGebra

Geography
- QGIS
- Marble

Physics
- Apps on Physics
- PhET Physics

Fun software
- GCompris
- KTurtle

Accounting
- FrontAccounting

Library Management
- Koha
- DSpace

Courses for IT and Engineering College Learners

Programming
- C, C++
- Advanced C, C++
- Java
- Perl
- PHP and MySQL
- Python
- Ruby
- Rust Programming Language

Linux
- Linux
- Bash
- Sed
- Linux AWK
- Ubuntu Linux on Virtual Box
- Linux for SysAds
- Embedded Linux Device Driver

Electronics and IOT
- ExpEYES
- CircuitJS
- Arduino
- eSim
- OpenPLC with LDMicro
- ElectroBlocks

Website building
- Bootstrap
- CSS
- Drupal
- HTML
- JavaScript
- Java Business Application
- Joomla
- Python Flask
- Python Django
- ReactJS*

Simulation
- General: OpenModelica
- Chemistry: LAMMPS
- Electrical Engg.: nS-3
- Mechanical: OpenFOAM
- Process Simulation using DWSIM

AI
- Being creative with AI
- Python for machine learning
- Machine Learning using R
- Jupyter*
- PyTorch*
- VS Code*

Civil and Mechanical Engineering
- Osdag
- FreeCAD
- OpenFOAM

Database management
- LibreOffice Base
- PostgreSQL

Computational sofware
- Python
- Scilab
- R

IT Utilities
- Git
- Docker

Courses for Everyone

Office Productivity Tools
- LibreOffice Writer
- LibreOffice Calc
- LibreOffice Impress

Typesetting/Word Processing
- LibreOffice Writer
- LaTeX
- Scribus*

Audio/Video editing
- Audacity
- Video editing using Blender
- OpenShot*
- OBS Studio*

Utility software
- Tux Typing
- Firefox
- gedit
- Thunderbird

Graphics and Animation
- Blender
- LibreOffice Draw
- Synfig Studio
- GIMP
- Inkscape

Pedagogy tools
- LMS: Moodle
- Concept Map: Freeplane

Personality Development
- Personality and Human Development
- Communication series

Courses marked with an asterisk (*) are currently under production and will be released shortly.

Benefits for Students

- Gain practical knowledge aligned with current industry needs
- Offline access to courses
- Develop hands-on capabilities valued by employers
- Master tools through guided, activity-based tutorials
- Learn using globally adopted Free and Open Source Software
- Build confidence through self-learning

Benefits for Faculty & Institutions

Scalable Training Model
Train large number of students efficiently

Easy Integration into Curriculum
Can be used for:
- Skill development programmes
- Value-added courses
- Lab sessions
- Faculty development programmes
- Project-based learning
- Internship preparation

Support Outcome-Based Education
Enable measurable practical learning outcomes

Enhance Institutional Reputation
Position the institution as future-ready and skill-focused

Promote Digital Inclusion
Provide equal learning opportunities for students from varied backgrounds

Support aligned with NEP 2020 initiatives

Partnership Opportunities for Colleges

EduPyramids collaborates with institutions for:

- Campus-wide skill programmes
- Faculty development initiatives
- Employability enhancement initiatives
- Internship and project-based learning
- Innovation and hackathons
- AI readiness programmes

National Impact

Over the last decade, the Spoken Tutorial ecosystem has created measurable impact across India:

10 million+ learners empowered

Deployed in 5,000+ institutions engaged

1 million+ students trained every year



- Access to Spoken Social, a unique platform designed to make learning engaging through gamification
- Opportunities to showcase skills and compete in national-level hackathons
- Access to knowledge-building webinars, expert talks, and conferences that broaden learning beyond the classroom

Our partner

iit ALUMNI WHEELS global foundation
Water / Health / Energy / Education / Livelihood / Sustainability

We are proud to be one of the implementation partners for WGF. WHEELS Global Foundation (WGF) is a global collective platform of IIT alumni and changemakers committed to creating sustainable social impact.

Contact

Scan to connect

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*Images used are AI generated.