

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.



Industry-Relevant Curriculum

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



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.



Credit-Linked Certifications

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



Multilingual Learning

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



AI-Ready Students

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



Self-Learning Ecosystem

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



• WATCH • PRACTICE • REPEAT

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

- AutoDock 4
- Biopython
- Cell Designer
- PhET Biology
- UCSF Chimera

Chemistry

- Avogadro
- ChemCollective Virtual Lab
- GChemPaint
- LAMMPS*
- Jmol
- PhET Chemistry
- ORCA - Computational Chemistry

Maths

- Geogebra
- Applications of Geogebra
- Gnuplot
- Grace
- PhET Maths

Geography

- GIS
- 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, Cpp
- Advanced C, Cpp
- Java
- PERL
- PHP and MySQL
- Python
- Ruby
- Rust Programming Language

Linux

- Linux
- Bash
- Sed
- Stream editor
- Linux Awk
- Linux on virtual box
- Linux for SysAds
- Embedded Linux driver

Electronics and IOT

- ExpEYES
- Circuit JS
- Arduino
- eSim
- OpenPLC with LDMicro
- ElectroBlocks
- Embedded Linux driver

Website building

- Bootstrap
- CSS
- Drupal
- HTML
- Javascript
- Java Business Application
- Joomla
- Python Flask
- Python Django
- ReactJS*

Simulation

- General: OpenModelica
- Chemistry: LAMMPS
- Electrical Engg.: NS3
- Mechanical: OpenFOAM
- Process Simulation using DWSIM

AI

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

Civil and Mechanical Engineering

- Osdag
- FreeCAD
- OpenFOAM

Database management

- LibreOffice Base
- MySQL
- PostgreSQL

Computational software

- 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 3D
- LibreOffice Draw
- Synfig Studio
- Inkscape Techniques to Create Vector Graphics
- 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



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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Spoken Tutorial
Developed at IIT Bombay



EduPyramids

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*Images used are AI generated.