



Embrione



# KodiKon

National Education Policy

## EDURA

Envisioning a world where anyone, anywhere has the power to transform through learning

### TEAM PHOENIX

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Short Video explaining our solution:

[https://bit.ly/Phoenix\\_Kodikon\\_idea\\_submission](https://bit.ly/Phoenix_Kodikon_idea_submission)

Workflow:

[https://bit.ly/idea\\_workflow\\_phoenix](https://bit.ly/idea_workflow_phoenix)

**Current digital learning systems include major drawbacks like distractions while learning, no extended support for people with auditory/visual disabilities and lack of tracking or improvisation on the productivity rate of learners**

**National Education Policy** focuses on education being a fundamental for achieving full human potential, developing an equitable and a just society, and promoting national development.

- Emerging digital **online learning platforms** deliver learning experiences that enable students to actively engage with educational content.
- But also come along with certain drawbacks, that include *distractions while learning*, without the factors at play in an in person setting that keep them on track and on task.

Alongside, India has *majority youth population* suffering from **disabilities** for whom pursuing education is a major challenge.

- Out of all the types of disabilities, **visual and hearing disabilities** pose greater challenges than other types.
- Recent changes in legislation, as reflected in *Right to Persons with Disabilities Act* and *Right to Education Act*, have provided a much needed focus on education of persons with disabilities and ensuring their **educational empowerment**.

Though prominent learning systems exist, many of them lack a *streamlined approach* to facilitate studies in variety areas of interest within the educational domain.

- **Tracking**, keeping a check on the **progress** of learners, making sure they take away useful and usable content from the course they are referring to, **implementing effective study techniques** for better retention are few of the things which most of the education websites have missed out on.
- But these make a *significant difference* in implementation of these websites in both business and in terms of accomplishment of **certain goals** for the target audience.

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# The Solution

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A Distance Education Portal designed to achieve three cardinal principles of NEP (Access, Equity and Quality)

## Features

- Curation, Comparison, Filtering and Recommendation of courses and study materials.
- Help improvise on their productivity by implementing effective proven study techniques.
- Extend support to visually impaired and hearing impaired users.
- Implementing tracking and evaluation features for better content takeaway.
- Inclusion of regional languages for better user interactivity.
- Provide many dynamic and interactive educational opportunities.

The **objective** of this effort is to take the best teaching learning resources to all learners, including the most disadvantaged and differently abled. We seek to bridge the digital divide for learners who have hitherto remained untouched by the **digital revolution** and have not been able to join the mainstream of the knowledge economy.

In today's day and age, we see that the focus of learning has shifted and has almost become unreachable for the differently abled. **Team Phoenix** strives towards bringing education back to its original roots - to become accessible and reachable to all. This effort is to revolutionize e-Learning through different methods such as audio-books, chatbots with NLP, interactive subtitles and focus tracking.

Implementation of the above idea would result in a **streamlined and non-distractive learning system**, with right resources to promote exploration in different *fields of interest* under the educational domain.



## Distance Education Portal

### WHAT

Help improve on their productivity by implementing effective proven study techniques.

Extend support to visually impaired and hearing impaired users.

Implementing tracking and evaluation features for better content takeaway.

Inclusion of regional languages for better user interactivity.

Provide many dynamic and interactive educational opportunities.

Curation, Comparison, Filtering and Recommendation of courses and study materials.

### HOW

Emerging digital **online learning platforms** come along with certain drawbacks, that include *distractions while learning*

Necessity of **Tracking**, keeping a check on the **progress** of learners, making sure they take away useful and usable content from the course they are referring to, **implementing effective study techniques** for better retention

### WHY

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# Technology Usage

Web Scraping: Python, BeautifulSoup, Selenium, MongoDB

Web App/Interface: Frontend + MERN Stack

Facial Recognition and ML: MediaPipe, Keras, Tensorflow, Flask.

## Business Prospective

- The ability to extend the outreach is highly beneficial to all companies and NGOs as it helps them access the true potential of the market out there. Also schools/colleges/institutions can now properly cater to the needs of the specially abled which will now encourage such learners to actively participate in the learning process.
- Revenue generation is highly possible through this platform as it depends on the marketing and sale of e-learning services. Budding e-learning services/startups such as MyCaptain, Skill-Lynx, Skill-Vertex etc could also pitch in and affiliate their courses/materials/plans through our platform.

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