Technical Presentation on Digital Class Room – Smart Classroom Service

Developed By
DIGITAL TEACHER
CNP Elite Tower
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About

Content Development is Our Passion not just Our Business

Empowering Schools & Promoting Innovation through Digital Technology
About Us

- Code and Pixels Interactive Technologies Private Limited is an IT company with its headquarters in Hyderabad, providing eLearning Solutions, Content Engineering Services, Consultancy Services and IT Services to industries in verticals such as Defence, Transportation, Aerospace, Manufacturing, Energy, BFSI and Education.

Departments

- **Software Development**
  - Custom software development
  - Web Application Development
  - ERP Solutions

- **Content Engineering**
  - Computer Based Learning
  - IETM (Level 1, 2, 3 and 4)
  - Video Based Learning

- **Product Development**
  - Digital Teacher (KG to X)
  - English Language Lab
  - Smart Classroom Service

- **Mobile App Development**
  - Mobile Based Learning
  - Customized App Development

- **Digital Marketing**
  - Company/Product Promotions
  - Political Campaigning
Our Team

We have 150+ Members Professional Team Consists of:

- Content Writers
- Data Analysis Managers
- Graphic Designers
- Social Media Marketing Managers
- Video Editors
- Zonal Sales managers
- Animators
- Digital Marketing Managers
- Sales Executives
Our Services

Software Development Service

Content Engineering Services

Digital Class Rooms
Digital Classrooms – CBSE and STATE SYLLABUS (Class KG to Class X)
7500+ Schools are Using Our Product as their Digital Technology Partner
Earlier, technology in education was a debatable topic amongst the society. Everyone had their own views on modernizing education and making it technology aided.

- There were a huge number of positives and negatives to education technology. But, gradually as technology was embraced by the educational institutes, they realized the importance of technology in education.
The Indian education sector is now in a state of transition. Thanks to the advent of digital learning technologies, our education system has started witnessing some positive transformations. However, access to modern and high-tech education remains a major challenge for many students.

The new Digital India Initiative, undertaken by the incumbent government, is expected to address the issue.

Introduction to Digital Learning

- Its positives outnumbered the negatives and now, with technology, education has taken a whole new meaning that it leaves us with no doubt that our educational system has been transformed owing to the ever-advancing technology.
- Technology and education are a great combination if used together with a right reason and vision.
Advantages of Digital Learning

- The conventional ways of instruction have always left a huge gap in teaching-learning experience isolating the teacher from the students.

A typical student may not properly comprehend and visualize what the teacher delivers in the classroom using words and static pictures without proper care on individual differences visualizing ability and the pace of learning. In this scenario, a weak student is left behind and feels neglected.
Advantages of Digital Learning

Critical concepts are being developed and packaged using multimedia based digital solutions.

Digital Teaching Material Supports

- Self Learning
- Self-paced learning
- Increases interest levels
- Increases retention power

Technology has made learning easy, interactive, and interesting.
"The good teacher explains. The superior teacher demonstrates. The great teacher inspires."

- Technology will not & can never replace Teachers.
- **Digital Teacher** is not a replacement of the teacher.
- **Digital Teacher** bridges the gap between what is taught and what is understood.
Digital Teacher software (SSC for KG to X and CBSE for VI to Class X) is an effective digital class room solution developed as per the SSC & CBSE syllabus and on the patterns of Continuous and Comprehensive Evaluation.

Currently, this software is being used successfully in 7500+ Private and corporate schools across the Country. Many renowned educators have appreciated the product.
Digital Teacher is an outcome of technology, experience and knowledge.

Proficient Subject Matter Experts were also involved in the development of the product.

The product has been reviewed and vetted by the experts in the field.
Our aim is to make the teaching and learning process simple and joyful. We believe that teaching should make a student curious about the subject and we are confident that these digital training aids will be very much useful in achieving the objectives of Secondary Education in terms of providing knowledge, developing skills and changing the attitudes in the students for continuous and life long learning.
Journey of Digital Teacher

- **Academic Year 2014-15**: 2200+ Schools
- **Academic Year 2015-16**: 3500+ Schools
- **Academic Year 2016-17**: 6400+ Schools
- **Academic Year 2017-18**: 7500+ Schools

- **Academic Year 2018-19**: 7500+ Schools
Digital Teacher – Products

- Digital Content (KG - X) AP/TS
  - Launched 2014

- Digital Content (VI - X) (CBSE)
  - Launched 2015

- English Language Lab
  - Launched 2016
Technical Features of the Product

Elements of Instruction

- Unit Plan/Lesson Plan/Unit Overview
- Concepts/Model/Activity/Theory
- Law/Principle/Lab Activity/Virtual lab
- Derivations / Numerical Problems
- Real life Applications/uses
- Summary/Assignments /Follow-ups
- Assessments/Keywords
Technical Features of the Product

**Digital Teacher.in**

**Media Features**

- Rich Graphics
- Animation (2D and 3D)
- Images, Videos & Voice over
- Drawings & Diagrams
- Tables & Graphs
Technical Features of the Product

Navigation Feature

- User-Friendly Interface/Navigation
- Inbuilt Interactive Board/Search
- Index/Menu/Topics List/Play/Pause
- Audio/Mute/Next & Previous Topic/Reply
- Seek bar/Glossary/References
- Master Page/Subject Home/Book Mark
Key Features of the Digital Teacher

Some of the key features are:

- High quality and carefully crafted lessons authored by highly experienced teachers.
- Rich digital Learning Content based on State Board Curriculum for English, Maths, Biology, Physical Science and Social Studies.
Key Features of the Digital Teacher

Some of the key features are

- Constructivist based approach to learning and learning content.
- For example: Typical unit is divided into Introduction, Instruction and Evaluation approach to learning.
The content under Introduction section is divided into three sections, which help the teacher in recalling the previous knowledge, developing motivation and in proper announcement of the subject.
Some of the key features are

- The content of the subject under Instruction section is divided into several types based on the nature of the subject.
Some of the key features are

- Concepts and processes presented using animation and procedures are shown using simulations requiring intervention through simple navigation system.
- To increase student participation as concepts are made clear using visual tools and interesting simulations & activities.
The third aspect of the teaching learning process is evaluation. On the same lines, the third section of the product is Evaluation. Here, a sample unit test paper covering the entire instructed unit is presented for the ease of the teacher and for mock assessment of the learner.

**Section I: Long Answer Questions:**

1. Derive the Mirror Formula.

**Section II: Short Answer Questions:**

2. Define the terms of the Spherical Mirrors: Pole, Radius of Curvature, Magnification.
3. State the Laws of Reflection of Light.
4. Explain the making of solar cooker?
5. Draw a normal at any point of a concave mirror.
6. Show the formation of image with a ray diagram, when an object is placed on the principal axis of a concave mirror away from the centre of curvature.
Key Features of the Digital Teacher

Some of the key features are

- The Product presents a Unit Plan to the teachers which can either be adopted as is or customized as per their needs in the planning stage of the instruction delivery.
- A template of the Lesson Plan is provided to break the instructions of a unit at class to class level on the lines of the unit plan.
- Every lesson includes Lesson Plans, clearly stated objectives for scholastic and non-scholastic skills to be gained from that lesson and Lesson Summary.
Key Features of the Digital Teacher

Some of the key features are:

- Content is developed using the right mix of passive and active learning methods to ensure maximum retention.

![Diagram showing the effectiveness of passive and active learning methods]
Key Features of the Digital Teacher

Some of the key features are

- In every lesson concrete ideas from real life scenarios are introduced before arriving at the abstract concepts so that students can build on their existing knowledge and slowly move from Rote System.
- In this product, we have integrated Inbuilt Interactive Board.
- The content can be played on any system/laptop.
- Clear audio with neutral accent.
Content can be played on Multiple Platforms

Operating System
- Standalone Systems (Desktops, Laptops)
- Encrypted
- CD Drive/USB Drive

Local Area Network (LAN)
- Client-Server Environment

Tablet, Smart Phone
Modes of Delivery

- DVD
- USB
- Client Server
- PC Projector
Digital Teacher
Empowering Schools & Promoting Innovation through Digital Technology

Try our other software

3D Human Anatomy

Vocabulary Builder

Basics of Computer & IT

Nursery
LKG
UKG

10th Class
9th Class
8th Class
7th Class
6th Class
5th Class
4th Class

1st Class
2nd Class
3rd Class

2019 Release (Version-7)
Developed as per state syllabus and being used successfully in more than serving 7500+ Schools across Telugu States.

Click the Class icons to start the DIGITAL COURSE

Sample Screens

Reach us on:
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099514 78604

CODE & PIXELS
Interactive Technologies Private Limited
An ISO 9001:2015 Company

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Tel: 099514 78604, 090000 90702 | Email: sales@digitalteacher.in | www.digitalteacher.in
Mechanism of Photosynthesis

Light Reaction:
- The reactions of the light take place in thylakoid membrane which is present in chlorophyll.
Function of Villi in Human Digestive System:

- The process of transporting the digestion of products from the intestine into blood (through the wall of intestine) is called absorption.
- Internally, the intestinal wall contains a number of finger-like projections called as villi.
Ureters:
- The movement of urine in the ureter is done by **peristalsis**.
Activity 5 – Specific Heat: Nature of Material

Now fix them to a retort stand and set them in the hot water of jar.
Lab Activity – 1: Determination of Specific Heat of Solids:

- Measure the mass of the calorimeter plus water and note down the same.
Biological Function of Eye:

- The major function of the eye is to work with the brain to provide us with vision.
Though the potter tried to say he did nothing, villagers were not ready to listen him. They felt the potter is so modest. Everybody started calling him, ‘The Brave Potter’.
The day I was to leave, people had come to wish me good luck. It was already 10:20 am and my father had already left with luggage.
## YouTube Links

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Education Sector - School

1. English
2. Mathematics
3. Physical Science
4. Biology
5. Social Studies

1 Th TO 10Th SYLLABUS – SSC

NURSERY, L.K.G, UKG

1. English
2. Mathematics
3. Telugu
4. Hindi
5. EVS

Tools: Animated and Coding Tools

Digital Classroom, Smart Classroom Solutions
OTHER PRODUCT
Independent and Self learning modern language Lab (No teacher or Facilitator/Lab faculty is required to guide the student)

Developed as per the “CEFR (Common European Framework of Reference)” and Cambridge English Teaching Frame work under guidance of Cambridge English Trainer
CEFR (Common European Framework of Reference) & Cambridge English Teaching Framework defines how to enhance skills in

- Listening
- Speaking
- Reading
- Writing
- Phonetics
- Soft Skills
Thank You

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