

# All Things Learning!



## Education Technology Solutions Overview

HappiestMinds' Education technologies touches all aspects of the learning spectrum from Learning content, Teaching and Learning experience to Student engagement and Retention. Our solutions help you in adapting and scaling to the changing ways and achieve Educational excellence. This is how we are "All Things Learning."

A classroom that is sensitive to the ways students learn and deliver individually tailored study plans based on their interests, goals, strengths and weaknesses is not far from reality. The onset of Digital Transformation is

continuously changing the expectations from educators. The Education Industry is trying hard to keep pace with the changing nature of technology. While, the technology disruption is solely driven by the consumer, which has led to new business model in other industries. The concept of students as customers has become a norm in the Education Industry, a new way of delivering value to students with evolving times at a greater pace. Happiest Minds helps education providers work smarter and deliver faster by providing the best student experience.

## The Future of Education Technology Solutions

The ways we teach and learn has changed drastically in past few years and will continue to transform. Imagine a classroom where students study the behavioral patterns of animals by visualizing them virtually. Augmented reality in the Education Industry is no more just a wild idea. Technology is no longer an academic subject, as it is rapidly being used as a tool to deliver new and better ways of engagement among students and faculties. Digital books, MOOCS, personalized and Mobile learning are already making waves, The future of technology in education industry will broadly be influenced by Virtual Reality, Wearables, Location based services and Sensor technologies.

## What Happiest Minds offers?

Happiest Minds technologies is a disruptive technology solutions provider, specializing in Enterprise Platforms, Consumer Solutions, Data Centre Technologies and IoT services with technical capabilities around Mobility, Cloud Enablement, Big Data & Analytics and Testing with a committed focus on Education as a core vertical. Having worked with leading publishers, e-learning provider's right from its inception, Happiest Minds technologies offers the following services for the Education vertical.

### Educational Publishing

- Content Enrichment
- Content Rendering
- Content Integration
- Custom build-out of Authoring platforms
- Platforms for Commerce and Distribution

### Institutional and Learning analytics

- IMS Calliper events, Tin Can messaging services
- Big data architecture services
- Real-time and Batch Analytics services
- Visualization and Collaboration

### Modernization of Institutional administrative and Learning systems

- UX Design and Modernize User Interface
- Mobile and Devices support
- Legacy Migration
- DevOPs build-out and Integration
- Architecting Cloud Native applications

### Product Engineering and Extensibility

- Software Engineering and Testing services
- Micro-services and Container services
- Extensibility and Customization services
- App store build-out

### Institution wide system Integration

- API Services
- Cloud-Cloud integration services
- Data Discovery for student engagement

### Emerging technology evaluation

- New Technology evaluation Services
- Wearables
  - Location based Technologies
  - IoT
  - Beacons

# Happiest Minds Solutions for Education Publishing

Our Education Publishing solutions helps education leaders redefine their business models by providing innovative and enhanced learning experience to the students to achieve success and excellence in their educational careers.



## Content Management

- Creating normalized metadata definitions and interfaces for integrating 3rd party content.
- Unified access to all content and search engine with single interface.
- Recommendation engine along with content authoring and access notification engines.



## Content Creation

- Engineering content creation workflow solutions including validators for various formats like ePub, XHTML etc.
- Mobile optimized content creation templates.



## Content Delivery Optimization

- Browser optimizations through JavaScript incorporating third party solutions like Akamai FEO and Google PageSpeed.
- Mobile delivery and print specific optimizations.



## Assessment

- Building assessment creation framework based on QTI and scoring engine for interactive learning.
- Developing Student Progress assessment system with Reports and Dashboards.
- Integrating assessments with the interactive learning products by building client SDKs.



## eReader

- Building eReader solution for rendering ePub, PDF, video and custom content across web and mobile devices with support for Search, Annotation, Bookmark and Glossary functions.
- Developing instrumentation in eReaders along with analytics to understand the user behavior



## Analytics (Adaptive & Predictive)

- Analytics dashboards for instructors
- Predictive alerts to instructors based on student's progress
- Adaptive Assessment models based on student's learning patterns



## Partner Experience Platform

- Centralized portal for all partners and developers with enhanced features



## Analytics Model Repository

- Collection of Analytics models specific to education space which can be implemented easily on top of any education platform.
- Mobile access of reports and dashboards can be easily implemented through various widgets.



## Timeline commenting of Learning Materials

- Provide ability for the students to provide feedback, comment on any learning material
- Student also gets opportunity to take notes or tag a fellow student for his/her attention
- The data collected provides a huge opportunity to do rich analytics to understand overall sentiment of the class and derive insights that can be taken to improve the content, mode of delivery or pedagogy



## Audio & Video Collaboration Tool

- WebRTC based real-time communications solution that allows students to use many devices to collaborate with other students and educators.



## Gamification Engine

- Gamification engine that can be integrated with education platform with many features like badges, points, rewards etc. to encourage the user behavior

## Related Offerings

### Content Enrichment

Bring dynamic and living course contents, fosters greater learner engagement.

### Analytics

Education analytics service knits together infrastructure, analytics modules, adaptive services and visualization to rapidly enhance & collate meaningful data

### Integration

API platform service that extends education content to leverage the power of the ecosystem through seamless integration of data and process

### Commerce and Distribution

API platform service that extends modular solutions for search, discovery, preview, adoption and purchase

### Mobility

mLearning solutions and services to accelerate the ability to take contents and learning systems to various devices

### Compliance and Assurance

A comprehensive QA process to address security issues through automation or requirement specific

## Why Happiest Minds?

The Success of students or an educational institution can be counted on a lot of things, however, one of the most important steps is student experience. Happiest Minds Education Technology Solutions strive at breaking the norms of traditional institutional education and aims at providing a digitally aware educational environment for the students to excel. We are a next generation **digital transformation**, infrastructure, security and product engineering Services Company with 170+ customers, 2500+ people and 16 locations. Headquartered in Bangalore, India, Happiest Minds has operations in the US, UK, Singapore, Australia and has secured \$ 52.5 million Series - A funding. Its investors are JP Morgan Private Equity Group and Ashok Soota.

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