Transforming the Educational Quality of Budget Private Schools using Virtual Reality

In partnership with VEOALKE
The National Independent Schools Alliance (NISA) is a platform that brings together budget private schools (BPS) from across the country to give them a unified voice to address their concerns about legislation and by-laws which apply to them and to facilitate quality improvement in schools. As of today, NISA represents over 50,000 schools, from 34 state associations, which cater to the needs of approximately 22 million learners, with an average of about 400 children per school.

NISA is striving for a systemic change with a focus on building a strong platform for creating awareness around Budget Private Schools (BPS). It aspires to achieve policy change and improve school quality through:

- Advocacy of immediate concerns of low-fee and budget private schools via the media and other channels to build evidence for their relevance.
- Creation of an ecosystem for school Quality Improvement by partnering with different organizations working in the education space.
Virtual Reality

The term Virtual Reality denotes a three-dimensional, computer generated environment, in which users can immerse themselves to explore and interact with objects within that virtual space. The user becomes part of this virtual world and, whilst there, is empowered to manipulate objects or perform a series of actions.

But why enter a virtual world? Gaining real-life experience in certain professions can be difficult to achieve, dangerous, or just plain expensive. However, VR can connect users with those experiences, from the most specialized skill-set training, to simple lab experiments performed by school students. VR is a practical, affordable solution unavailable to a mass audience... until now.

How virtual reality is Changing Education

Retention

Research suggests that visualization and a VR environment strengthens the connection between a student and a concept, heightening retention.

Engagement

It is about participating in the learning process and having actual/virtual experiences, and enjoying the process, which heightens engagement.

Distraction-Free

When students are inside an environment, they are far less prone to distractions such as classmates, phones, and so on. They are left to concentrate on that core concept.

Virtual Reality LEARNING EXPERIENCE

IMMERSE

• Transcend time and space
• Discover through 3D observation
• Venture safety into science labs
• Learn math in authentic settings

INTERACT

• Learn via trial and error, for deeper understanding
• Simulate roles: Be the scientist!
• Explore with guided feedback

INSPIRE

• Encourage with in-play feedback
• Collaboration with educator
• Analytics, which inform teaching decisions
NISA-VEATIVE Partnership

One of the largest education transformation initiatives in India

NISA has partnered with Veative, a worldwide leader in VR education. As per this partnership, Veative will set up Virtual Reality labs in over 50,000 budget schools in India, which will reach about 22 million students. This is set to be one of the largest education transformation initiatives in India, ever. These labs will be comprised of Veative’s VR headsets, controllers, and classroom management tools. All headsets will be loaded with Veative VR Learn content, which is the largest interactive VR-based education library in the world.

About VEATIVE

A global provider of the first affordable, practical and interactive immersive learning library created for a mass market

Veative Labs is a global provider of education technology and innovative digital learning solutions, using immersive technologies. Veative is providing the first affordable, practical and interactive immersive learning modules for learners of all stripes.

Veative believes that these experiences should be available to all, motivating everyone to learn, irrespective of the country they live in, or their present socioeconomic condition.

500+ VR modules in Education & Training

300+ Experienced AR/VR Workforce

10+ Countries for Pilot and Projects

5+ Languages
(US English, UK English, Simplified Chinese, Arabic, Hindi & Regional Languages)

Reaching 22 million Students
Veative VR LEARN
Largest interactive VR LIBRARY

500+ modules

- Mapped to Multiple Curriculums Covering Science & Mathematics
- Interactive VR Modules
- Analytics (Blooms Taxonomy)
- LMS/LRS Integration
- Classroom Management (Teacher Control App)
- Simple Plug-N-Play Solution
- Customizable to Local Languages
Interactive VR modules

Science
Physical labs for chemistry, biology and physics are an expensive proposition for schools everywhere, and safety is an ever-present concern. Remove these fiscal challenges and relieve your stress levels by running labs virtually. Set young, inquisitive minds free, to explore the world of science and activate that curiosity by allowing free reign in a virtual space. The virtual world invites inquiry and curiosity, and a curious mind is an open and engaged mind. This of course leads to a receptive mind, primed and ready to learn.

Mathematics
Mathematical concepts are not always easily visualized, handicapping learners who just don’t “get it.” However, Veative has created some interesting ways to bring students into the world of math, by connecting difficult-to-grasp ideas with real world situations, all in a virtual world! When a polyhedron is no longer a flat image, but a 3D, interactive object, it starts to make more sense. When that object can be explored from the inside, spatial intelligence is activated and a deeper understanding is within the reach of learners.

Educational Tours
A sense of wonder. This is what we wish to awaken. For many schools, students may not get a chance to visit and explore some of the wonders of this world... until now. Veative Virtual Tours can act as an escape from the rigors of STEM modules. Take your learners to the Eiffel Tower and stand in awe of this simple, yet majestic, landmark. Allow your charges the chance to feel what life is like in Paris, yet at the same time, learn about the architect, design and construction of this wondrous sight.

Language Learning
Not since the introduction of audio into the language classroom has a technology been so primed to make a significant difference in the learning of languages. VR enables real life experiences, in the safe and comfortable environment needed to ignite language learning. Role-play situations can be enhanced by interacting with virtual people. Scenario-based modules allow a connection between the scene, the context, and the target language. This airport scenario brings learners into a new world, and helps to arouse a desire to learn more.

“I hear and I forget. I see and I remember. I do and I understand.”
- Confucius
The Veative Teacher App comes with classroom management features, making it simple to discover, preview and deliver engaging AR/VR content and lessons. It also provides control and management of multiple headsets in the classroom, all from a simple app.

Built-in learner feedback and tracked assessment ensures that learners stay on task. The offline version is supported by our proprietary analytics system that stores results locally and syncs with the server when an internet connection is available. Veative provides its own proprietary reporting system for teachers and students to view analytics. Analytics data can also be sent to any other LMS/LRS system (capable of retrieving results), used by schools.

**Educator TOOLS**

**Classroom Management**

**Reports and Analytics**

**STUDENT’S PROGRESS:**
- Complete assessment of the student
- Total attempts for each of the modules
- Domain proficiency (Blooms Taxonomy)

**TEACHER DASHBOARD:**
- Complete assessment of the class
- Select any student to check his/her progress
- Snapshot of modules that require more attention
The Veative VR Learn Kit is an affordable, innovative, plug-and-play solution that can be set up in minutes. The Kit comes complete with hardware, software, and pedagogically-sound VR learning modules, equipping teachers with everything needed to introduce this cutting edge technology into the classroom.

**Fully Integrated All-in-one VR Headsets**

No additional mobile device is needed. The Veative integrated solution delivers a fully immersive VR experience whilst being managed and controlled by the classroom management app.

**Interactive Handheld Controller**

The Veative handheld controller enables navigation and engages the student in the virtual reality module. Objects can be manipulated by the student, such as virtual experiments.

**Wireless Router**

The Veative VR Learn Kit includes a wireless router which is used to establish a connection between student VR devices and the Teacher Tablet.

**Teacher Tablet for Simplified Classroom Controls**

A classroom management app, pre-loaded on the teacher’s tablet, making it simple to discover and deliver engaging VR content and lessons. It also provides full control and management of multiple headsets in the classroom—all from a simple app.

**Easy Carrying Case**

The Veative VR Learn Solution comes with a lightweight, portable carrying case to easily transport devices and other equipment between classrooms, or to various locations throughout the school. This also acts as a central storage unit, to keep devices safe while not in use. This handy case is also equipped with shoulder straps.
We at Veative believe that School Education is the foundation for any child and any society. We have a mission to enhance the learning experience of young learners and support the teaching experience of teachers. In doing so, we hope to positively influence engagement, retention and desire to learn.

We know that there is a need for school administration and teachers to be aware of such learning experiences. Hence, Veative has launched its Awareness drive for Virtual Reality (VR) based School Education. The regions we are covering in our first phase of this initiative are India, Africa, China, Middle East, USA and Canada. Our expert teams are visiting various schools and conducting awareness workshops involving both teachers and students to give them hands-on experience with this cutting-edge learning tool.

This is Veative’s commitment to our global society, taking another step towards fulfilling our mission of bringing VR-based educational solutions to ALL, motivating learning and growth, throughout the world.

“VR gives a better understanding of situation and better experience. It can be used effectively in class as a perfect teaching aid. It will help the teacher to be in control of the situation that the teacher wants the students to be in. VR can be used to benefit learning the abstract situations where students need to imagine.”

Teacher
Apeejay School, India

“I liked seeing myself on the other side of the world and being connected to things that can not be seen on naked eye. I liked seeing the human brain. I would like to learn Mathematics and Biology through VR.”

Student, Grade 11
Boitumelong Senior Secondary School, South Africa

“I really like it being used in science. The VR experience was engaging. I loved almost everything I studied. A very fun experience. I understood a lot of things.”

Student, Grade 8
Delhi Public School, India

“The effectiveness of the VR is bringing things to virtual reality. I would like to integrate VR in my class because it captivates learner’s attention and remigrates the learners appetite to learn. VR can be used to benefit science and technology related subjects. A typical improvement in education of all time, great.”

Teacher
Chogugudza Primary School, Zimbabwe
Content Localization

Veative VR Learn content is already available in English, Arabic and Chinese. For NISA School deployment across India, Veative will localize the content in the following languages:

- Kannada
- Gujarati
- Odiya
- Malayalam
- Hindi
- Bengali
- Telugu
- Punjabi
- Marathi
- Tamil
- Urdu
- Assamese

Affordable VR Kit

- Virtual Reality Headsets
- Interactive Controllers
- Teacher Tablet
- Wireless Router
- Portable Carrycase

- 500+ Interactive VR Modules
- Covering Science & Math Subjects
- Personalized User Profiles
- Learning Analytics and Dashboards
- Classroom Management Features

Veative adoption and support team to be deployed in schools for implementation and feedback

VR Kit Packages

VR Kit with 15 Headsets

VR Kit with 20 Headsets

Flexible Financing Options

NISA & Veative have partnered with finance companies to provide flexible financing options to budget private schools for procurement of a Veative Virtual Reality kit. For more details, please contact the NISA-Veative team.
Using **VIRTUAL REALITY IN CLASSROOMS**

**What Students have to say**

- **70%** agree that *VEATIVE VR will* motivate them to get involved in learning
- **95%** agree that VR instruction in the module will boost their confidence
- **97%** would like to to use VR in their classrooms

**Student Likes**

- **20.8%** Learning was fun, quick & easy
- **15.9%** 3D graphics
- **13.5%** Interesting learning experience
- **12.1%** Activities & assessment exercises
- **12%** Realistic experience
- **11.8%** Better understanding of concepts

**What Teachers have to say**

- **61%** of teachers think that *VEATIVE VR will* motivate students to get involved in learning
- **29%** of teachers agree that **VR instructions** were sufficient to boost student engagement
- **71%** think students with **learning difficulties** may perform better if they learn through VR
- **75%** agree that **low achieving students** may perform better with the benefit of VR
- **72%** agree that VR will help accommodate a student’s personal learning style
- **50%** of teachers strongly believe that **VR promotes learning through experience**

Disclaimer: The above survey report is based on information obtained by Veative Labs during the VR Awareness Workshops. Neither Veative Labs nor any of their staff may be held liable for any inaccuracies or omissions, or any loss or damage arising from or out of the usage of this report.
Transforming the educational quality of Budget Private Schools in India

In partnership with V E A T I V E

Order Form

School Name

Address

City ____________________________ Pin Code ____________________________

State

E-mail ____________________________ Phone ____________________________

Website

Contact Person

Name

Designation

E-mail ____________________________ Mobile ____________________________

Select one of the listed VR Kit Packages

VR Kit with 15 Headsets

VR Kit with 20 Headsets
Please send this order form to the address below:

To,
NISA Coordinator
VEATIVE LABS PRIVATE LIMITED

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