



**CONNOISEUR<sup>®</sup>**  
ELECTRONICS PVT. LTD.

**In association with**



MILLENNIUM@EDU  
sustainable education  
*Making a difference for 15 million students*



## **TECHNOLOGY TRENDS IN EDUCATION**



**Microsoft<sup>®</sup>**



## A Big Transformation



Computer to Mobiles



Books to e-books



“Sage on stage  
to  
Mentor on side”





The Digital India programme is a flagship programme of the Government of India with a vision to transform India into a digitally empowered society and knowledge economy.

## DIGITAL INDIA

Governments around the world are engaged with providing education facilities, at many levels. The use of digital technologies for providing and assisting education are growing. These facilities are a strong presence in many countries. Issues of research pertain to the access, quality, regulation, evaluation of these services, amongst many others. There are many challenges to providing these services and these constitute an active area of research.

Information and Communication Technology (ICT) can contribute to universal access to education, equity in education, the delivery of quality learning and teaching, teachers' professional development and more efficient education management, governance and administration.

Topics of interest include, but are not limited to, the following:

- Communities of practice in education
- Teacher-centered ICT education
- Design of massive open online courseware
- Local language use in ICT-based education
- Policies for ICT-based education
- Evaluation strategies ICT-based education
- Design of tele-education infrastructure
- Effectiveness of ICT-based education in schools
- Public-private partnerships and provision of ICT-based education
- Use and effectiveness of ICT in secondary and higher education.

## Under eKranti -Electronic Delivery of Services Technology for Education –e-Education

- All Schools connected with broadband
- Free Wi-Fi in all schools (250,000)
- Digital Literacy program
- MOOCs –develop pilot Massive Online Open Courses.

All Schools will be connected with broadband. Free Wi-Fi will be provided in all secondary and higher secondary schools (coverage would be around 250,000 schools). A programme on digital literacy would be taken up at the national level. Massive Online Open Courses (MOOCs) shall be developed and leveraged for e-Education.

THE FOCUS IS TO BRING TRANSFORMATION TO REALIZE

IT  
Indian Talent

+

IT  
Information Technology



IT  
India Tomorrow



## This change is already underway in India



## Tablets resonating even in “affordable” private schools





## India International School Case Study

## Indus International School Case Study

Case Study  
Intel World Ahead Program  
Education



### Expanding the Horizons of Learning through Technology



#### India International School delivers high-quality learning through the effective integration of technology

India International School, based in Bangalore, India, in their endeavour to provide holistic value-based education to their students, integrated technology into their learning system and transformed their education delivery system - ultimately resulting in a positive impact in their overall education system.

##### Challenges

- Fostering better understanding of various concepts
- Shifting from a traditional model of direct instruction to student-centric learning
- Delivering global learning for a complete learning experience

##### Solutions

- India International School effectively integrated technology in their education system
- Empowering teachers with technology to deliver better learning experience

- Encouraging students to use PCs/Laptops in the classroom

##### Results

- Enabled independent, skill-based, interactive and collaborative learning for students
- Increased the quality of teaching through the effective utilization of technology by teachers
- Succeeded in providing a globally connected learning environment for students

Technology advancement is helping the students in the school to learn in a better way. Students are very happy and they have taken to technology very nicely and are sharing their experience with one and all.

M Krishna  
Chairman,  
India International School



INDIA INTERNATIONAL SCHOOL

100 International Residential School  
1000+ International Students from 100 Countries

Case Study  
Intel World Ahead Program  
Education



### Transforming Education through Technology



#### Indus International School, Bangalore, adopts 1:1 learning methodology for equipping students with 21<sup>st</sup> century skills

Indus International School, Bangalore, and Indus International Community School, true to their commitment to providing education beyond the classroom are imparting 21<sup>st</sup> century skills to their students through Intel's 1:1 learning methodology and are enabling lifelong learning - helping their students become actively engaged citizens of the world.

##### Challenges

- Creating an educational system that prepares students for success in the 21<sup>st</sup> century
- Shifting from a top-down and hierarchical learning to a more inclusive student-centric learning system
- Empowering teachers to integrate technology into classrooms

##### Solutions

- Intel-Indus International School collaboration to support new ideas and innovative programs
- Specific initiatives to make PCs and the Internet more accessible and to make

them integral to the teaching system

- Extensive teacher professional development on how to integrate technology into the classroom
- Indus International School implemented 1:1 eLearning for all their students, enabling student centered, life-long learning
- Teachers are integrating technology and 21<sup>st</sup> century skills when delivering lessons
- Students are developing skills in critical thinking, problem solving and collaboration

I feel that lifelong learning is a competency for the 21<sup>st</sup> century and anybody cannot become a lifelong learner if he is an illiterate person. And therefore technology and in particular the Internet enables self learning and self directed learning, and that was the main purpose behind our adopting eLearning for the school.

Lt. General Arjun Ray  
CEO,  
Indus Trust



# Millennium @ EDU Sole Lab

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)

**THE MANAGEMENT, STAFF AND STUDENTS OF**  
S J T SURANA JAIN VIDYALAYA & JUNIOR COLLEGE, Chennai  
GT ALOHA VIDHYA MANDIR, Chennai  
TAKSHILA GROUP OF SCHOOLS, Ambur  
VIDHYASAGAR GLOBAL SCHOOL, Chengalpet

*jointly invite you to the grand inauguration of*  
**Sole Lab**  
(SELF ORGANIZED LEARNING ENVIRONMENT)

**Dr. SUGATA MITRA**  
PROFESSOR OF EDUCATIONAL TECHNOLOGY, NEW CASTLE UNIVERSITY, UK  
RECIPIENT OF TED PRIZE 2015 AND ARCHITECT OF CLOUD SCHOOLS  
*will inaugurate and deliver keynote address*

*in the gracious presence of*  
**Mr. MARIO FRANCO**  
CHAIRMAN AND FOUNDER, MILLENNIUM@EDU - SUSTAINABLE EDUCATION, PORTUGAL  
*TCOM will be signed as partners in Global Education*

**Mr. PRATIK MEHTA**  
DIRECTOR AND COUNTRY HEAD - EDUCATION, MICROSOFT  
*will confer the title*  
**"Microsoft Innovative School"**  
*on the organizing schools*

**on FRIDAY, 25<sup>th</sup> JULY 2014 at 11.30 a.m.**  
at THE MUSIC ACADEMY, TTK Road, Alwarpet, Chennai - 600 086.

*We solicit your enthusiastic response to bless our educational endeavour*

<b>ANAND SINGHVI</b> SECRETARY AND CORRESPONDENT TAKSHILA SCHOOL	<b>BHARATH DOSHI</b> SECRETARY AND CORRESPONDENT GT ALOHA VIDYA MANDIR SCHOOL	<b>VIKAS SURANA</b> SECRETARY AND CORRESPONDENT VIDHYASAGAR GLOBAL SCHOOL	<b>ANAND P SURANA</b> SECRETARY AND CORRESPONDENT SURANA SCHOOL
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## News Paper reviews:

### For a holistic digital learning experience in classrooms



Ignitaries at the event that saw Microsoft conferring 'Innovative School Award' to private schools

Express News Service

**Chennai:** Stressing that digital learning was the future and that textbooks will phased out slowly, Pratik Mehta, director of education, Microsoft India, conferred the Microsoft 'Innovative School Award' on four private schools which have adopted the global giant's education packages for classroom learning.

The schools, in association with companies like Microsoft and Connoisseur, have set up Self Organised Learning Environment (SOLE) Labs that will enable students in elementary and middle classes to learn in collaborative work groups with close guidance of teachers through a digital platform.

Anand P Surana, correspondent and secretary of Surana Group of Institutions (one of the schools to adopt SOLE), said that the aim was to create an immersive learning environment in schools.

The programme envisages classroom as a re-built learning space where teachers would impart education through devices like laptops or smartphones,

**SOLE Labs will enable students to learn in collaborative work groups with close guidance of teachers through a digital platform**

while the students would work out problems on the devices. With this programme, the teachings would be broadcast automatically to all students instantly. This model could also help teacher analyse student performance on the spot, said Mehta.

As this was a relatively new technology, Microsoft would train the teachers for using the software through self-learning applications, Mehta added.

Currently, four schools in Tamil Nadu and one in Puducherry are the only Indian schools amongst 45,000 others in the world which have been conferred with the MS Innovative School Award. These schools would have a direct link with Microsoft, which would help in the necessary information transfer.



## शिक्षा में नई तकनीक का हो समावेश

बदलते दौर में खुद को बदलें

चार स्कूलों ने किया  
पुरंगाल की संस्था के  
साथ समझौता

चेन्नई

जमाना नई तकनीक का है। ओने वाले दौर में हमें परिवर्ण को पढ़ाई को अपनाना होगा। समय के साथ तकनीकों तेजी से बदल रही हैं और ऐसे में जरूरी हो गया है कि हम भी शैक्षिक प्रक्रिया में बदलाव के लिए तैयार रहें।

न्यू कास्टल यूनिवर्सिटी यूके में शिक्षा तकनीक के प्रोफेसर डा. सुरगाता मित्रा ने यह बात कही। वे शुक्रवार को आलवारपेट स्थित म्यूजिक अकादमी में चार स्कूलों को माइक्रोसॉफ्ट इनोवेटिव स्कूल का टाइटल देने के मौके पर आयोजित कार्यक्रम का बतौर मुख्य अतिथि संबोधित कर रहे थे। उन्होंने कहा कि पहले के दौर में कम्प्यूटर

अपडेटेड स्थित म्यूजिक अकादमी में चार स्कूलों को माइक्रोसॉफ्ट इनोवेटिव स्कूल का टाइटल देने के मौके पर आयोजित कार्यक्रम का एक दृश्य।

### शिक्षा में बनें सहभागी

मिलेनियम एट एनु. सरटेनेबल एजुकेशन पुरंगाल के चेयरमैन एवं संस्थापक मैरिरी फ्रैंको ने कहा कि एक दूसरे के साथ सहभागी बनकर शैक्षिक कार्यक्रमों को गति दी जा सकती है। शिक्षा के जरिए हम

बदलाव ला सकते हैं। इसकीमती सदी दशता की है। हम अकेले नहीं लेकिन ओरों के साथ मिलकर बहुत आगे बढ़ सकते हैं। एमओए से निरसदेह शिक्षा को आगे ले जाने में तेजी आएगी। माइक्रोसॉफ्ट के निदेशक एवं कन्टी हेड (शिक्षा)



प्रतीक मेहताने शिक्षा के विभिन्न आयामों पर प्रकाश डाला।

इस मौके पर ग्लोबल एजुकेशन को लेकर महानगर के चार स्कूलों एमजेटी सुरगा जैन विद्यालय एवं जूनियर कालेज सातुकारपेट चेन्नई, जेटी अलोहा विद्या मंदिर चेन्नई, तक्षिला श्रुप आरु स्कूलस अम्बूर एवं विद्यामगर प्लोबल स्कूल चेंगलपेट ने सरटेनेबल एजुकेशन पुरंगाल के साथ एमओए किया। सुरगा स्कूल के सचिव एवं कारसपोन्डेन्ट आनन्द पी. सुरगा, विद्यामगर प्लोबल स्कूल के सचिव एवं कारसपोन्डेन्ट विकास सुरगा, जेटी अलोहा विद्या मंदिर के सचिव एवं कारसपोन्डेन्ट भगत डोसो एवं तक्षिला स्कूल के सचिव एवं कारसपोन्डेन्ट आनन्द मिश्रणी ने एमओए पर हस्ताक्षर किए।

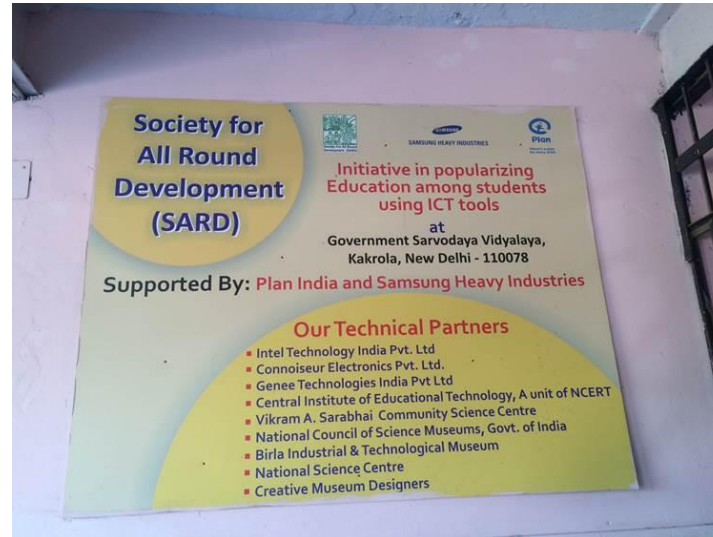
केलारामल शुद्ध एवं लिखनीचन्द ने भी अपने विचार रखे। प्रारम्भ में सौरव पी. डोसो ने प्रार्थना प्रस्तुत की। अंकिता पी. डोसो ने सम्बोधन का संचालन किया।

## Millennium @ EDU Projects :

### **MILLENNIUM @ EDU classroom setup done in the below list of Schools:**

1. **Kakrola School-Delhi.**
2. **Society for All Round Development(SARD)-Delhi.**
3. **Mountain View School-Chikmagalur.**
4. **G T Aloha Vidhya Mandir-Chennai.**
5. **SJT Surana Jain School-Chennai.**
6. **Chennai City Corporation School-Chennai.**
7. **Takshila School-Vellore.**
8. **Mamta Niketan Convent School-Punjab**
9. **Nagesh Karjagi Orchid School-Sholapur**

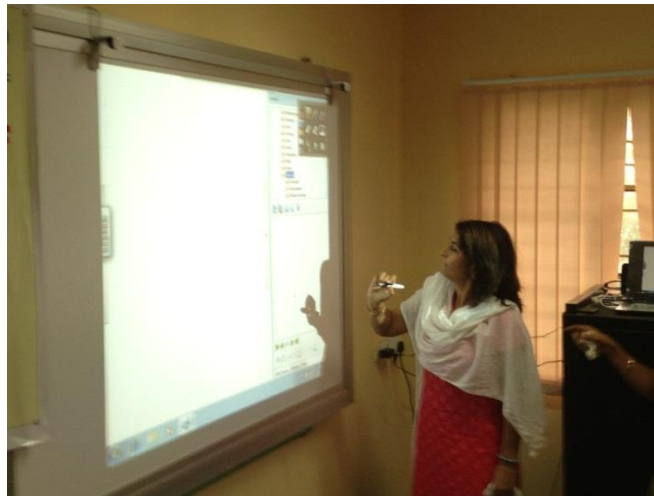
# Millennium classroom setup in Karkola School-Delhi



## Millennium classroom setup in Karkola School-Delhi



## Millennium classroom setup in SARD-Delhi

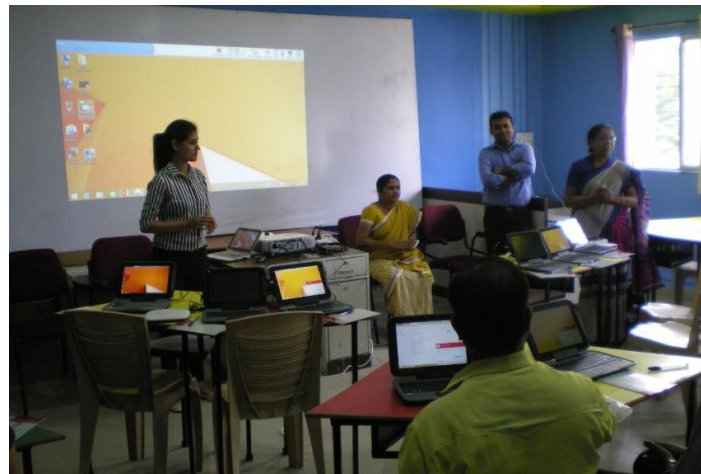


## Millennium classroom setup in mountain view school-Chikmagalur





## Millennium classroom setup in Mamta Niketan School-Punjab



## Millennium classroom setup in Nagesh Karajagi Orchid School-Solapur



## Millennium @ EDU Projects :

### Millennium @ EDU Projects completed:

1. G T Aloha Vidhya Mandir-Chennai.
2. SJT Surana Jain School-Chennai.
3. Chennai City Corporation School-Chennai.
4. Takshila School-Vellore.
5. Mamta Niketan School-Punjab.
6. Nagesh Karajagi Orchid School, Solapur.

### Millennium @ EDU Projects under EXECUTION:

1. Jain International School-Bangalore.
2. JSS Public School-Mysore.
3. Lily Rose High School-Bangalore.
4. Akara Education-Trichy.
5. SSBS Arts & Science College-Trichy.
6. Oxford Institution-Bangalore.
7. iDream Education-Delhi.
8. Pearson.



**Work in progress for several Millennium @  
Edu Digital Classroom deployment.**

**Thank you!!!**



**CONNOISEUR<sup>®</sup>**  
ELECTRONICS PVT. LTD.