

**NIIT**



## **NIIT brings Mobile Science Lab into Classrooms**



# 'Snapshots from the launch of Mobile Science Lab by World Chess Champion, Viswanathan Anand'



# NIIT brings Mobile Science Lab into Classrooms

- *World Chess Champion Viswanathan Anand emphasizes on 24\*7 experiential learning of Science for School children*
- *Showcases Latest Technology Innovation for Classrooms of Tomorrow*

NIIT, leading Global Talent Development Corporation and Asia's largest IT trainer, in association with Fourier Systems, a worldwide leader in science education, demonstrated Mobile Science Lab for schools- an innovative learning solution which integrates Science Lab with classrooms. World Chess Champion and NIIT MindChampion Viswanathan Anand unveiled this revolutionary solution while highlighting the importance of 24\*7 experiential learning in Bangalore, Delhi and Mumbai.

Sanjiv R Pande, President, School Learning Solutions & HiWEL, NIIT Ltd, Ms. Tamar Antokol, Director – Sales, Fourier Systems and Mr.Yariv Baryam, VP Sales & Marketing Fourier System were also present.

NIIT and Fourier Systems have entered into an alliance to make Mobile Science Lab available to students in India. As part of this partnership, NIIT will make available technology-enabled learning solution to explore science through computer-aided experimentation, while Fourier Systems will offer NOVA 5000 science data logger with a vast range of science probes for capturing relevant data and several other innovative solutions for learning of science. The product will be made available through NIIT to schools across India. NIIT has worked to customize the solution for use in Indian schools. The solution now covers a wide range of subjects like Physics, Chemistry, Biology and Environmental Sciences. More than 210 experiments from NCERT defined curriculum can be performed.

Mobile Science Lab is a portable laboratory that revolutionizes the way Science is taught and learnt. NIIT eGuru Mobile Science Lab makes teaching and learning of Science interactive, interesting and enjoyable. The product fosters students' higher order thinking skills like question posing, inquiry, scientific thinking and enhances students' confidence.

Speaking on the significant launch, Sanjiv R Pande, President, School Learning Solutions, NIIT commented, **"At NIIT, it is our constant endeavor to offer innovative solutions to enhance the quality of education by aiding school management, teachers and students with better teaching and learning solutions. Mobile Science Lab is a break-through initiative that aims at redefining the teaching and learning of Science. We are confident that it will bring alive the crucial subject of science in our classrooms and help de-stress the learning ecosystem in schools."**

Ms. Tamar Antokol, Director – Sales, Fourier Systems said, **“We are pleased to take our association with NIIT to the next level by making available the revolutionary Mobile Science Lab to the schools in India. We are confident of replicating our international experience in India, through our exclusive alliance with NIIT.”**

Mobile Science Lab allows students to enhance their learning capabilities by helping them co-relate classroom learning with day-to-day life. For instance, during field trips, the students can carry the portable Mobile Science Lab to extract real time data for conducting related experiments. Teachers can also use the product to explain a concept without having to take the entire class to the lab. The product has been customized and developed for the Indian schools by NIIT.

Lauding the product as a technological marvel, World Chess Champion and NIIT Mind Champion Viswanathan Anand said, **“Be it in sports or academics, success comes to those who inculcate learning as a 24\*7 experience. I am delighted to unveil a product that makes teaching and learning of science a 24\*7 fun experience, thus awakening and encouraging the young scientists.”**

Mobile Science Lab is equipped with all standard applications such as internet, word processing, spreadsheets and e-mail to help students tabulate, record and share their observations during an experiment. Providing an enriching experience, it also makes available the multimedia data analysis software that includes graphical manipulations, multiple analysis functions and lab reports.

Mobile Science Lab by NIIT aims at empowering teachers and students by bringing a science lab right in to the class room.

NIIT’s comprehensive range of NIIT eGuru solutions comprises of ‘Interactive Classrooms’ for teachers, ‘Math lab’ and ‘IT Wizard’ for students, and ‘Quick School’ an Education Resource Planning solution for school management. NIIT eGuru provides a holistic education package to schools for addressing the needs of all key stakeholders within the education realm—Students, Teachers, School management and Parents. NIIT has been spearheading the introduction of new technologies for making Science an interesting subject.

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# NIIT takes its mobile science labs into classrooms

BS REPORTER  
Bangalore, 17 June

**N**IIT, an IT trainer with pan-India presence, in association with Fourier Systems, a US-based educational data logging devices and accessories maker, have introduced the Mobile Science Lab for schools in India. NIIT had earlier launched the Mobile Maths Lab 18 months ago.

NIIT's range of NIIT eGuru solutions comprises 'interactive classrooms' for teachers, 'Math Lab' and 'IT Wizard' for students, and 'Quick School' an education resource planning solutions for school management.

The learning solution, Mobile Science Lab, integrates science lab with classrooms.

The firms had tied up to customise the mobile science lab to the Indian environment about two years ago with NIIT developing the content that meets the NCERT-defined curriculum. As part of the tieup, NIIT will make available technology-enabled learning solution to science through computer-aided experimentation, while Fourier systems will offer the Nova 5000 science data logger with a range of probes for capturing the relevant data and other solutions for learning science.



World Chess Champion Viswanathan Anand and Sanjiv Pande, president NIIT School Learning Solutions launch the Mobile Science Lab in Bangalore on Thursday.

SAGGERE RADHAKRISHNA

The solution now covers a range of subjects including physics, chemistry, biology and environmental sciences. According Sanjiv Pande, president, school learning solutions, NIIT, "Over 210 experiments from NCERT-defined curriculum can be performed

with the device."

Mobile Science Lab allows students to enhance their learning capabilities by helping them co-relate classroom learning with day-to-day life. During field trips, for instance, the students can carry the mobile science lab to extract real time

data for conducting related experiments. Teachers can also explain a concept without having to take the entire class to the lab.

The device, costing Rs 1.5 lakh to Rs 8 lakh, can be customised depending on the needs of the institution.

Deccan Herald  
Bangalore  
June 18, 2010

## NIIT's Mobile Science Lab

» To make science education in school easier, NIIT, in association with Fourier Systems, on Thursday, unveiled the Mobile Science Lab, a portable laboratory to teach science, reports *DHNS* from Bangalore.

The Lab, a technology-enabled learning solution to explore science through computer-aided experimentation, aims to target students in classes between sixth and tenth. It covers subjects like Physics, Chemistry, Biology and Environmental Sciences.

NIIT President (School Learning Solutions) Sanjiv R Pande said the product can do more than 210 experiments from NCERT defined curriculum. The total solu-



**Chess champion & NIIT ambassador Viswanathan Anand launching the Mobile Science Lab.** DH PHOTO

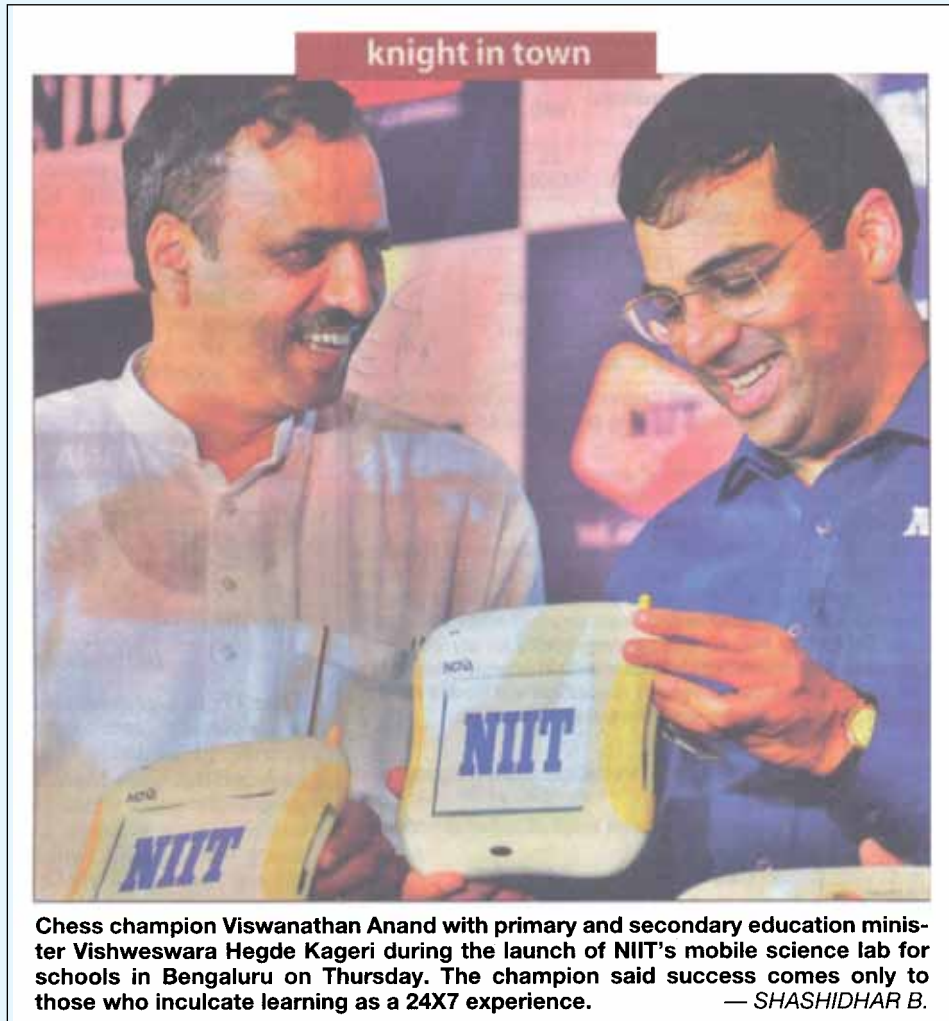
tion for a school is priced at Rs 8 lakh which comprises all software and five set of hardware parts.

Hindu Business Line  
New Delhi  
June 16, 2010



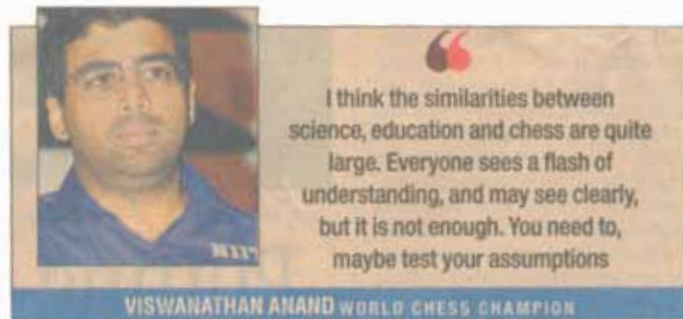
**On the move:** NIIT brand ambassador Viswanathan Anand with Mr Sanjeev R. Pande, President, School Learning Solutions and HiWEL, NIIT Ltd, unveiling mobile science lab for the school, in the Capital on Tuesday. — Ramesh Sharma

Deccan Chronicle  
Bangalore  
June 18, 2010



Economic Times  
Hyderabad  
June 18, 2010

## Vishy wants wider use of tech in classrooms



**Our Bureau**  
BANGALORE

**WORLD** chess champion Viswanathan Anand on Thursday called upon school teachers and the government to focus on the deployment of technology in the classroom.

"I think the similarities between science, education and chess are quite large. Everyone sees a flash of understanding, and may see clearly, but it is not enough. You need to, maybe test your assumptions," Anand said while endorsing Mobile Science Lab for Schools, a learning solution which integrates science lab with classrooms, released by

training firm NIIT and science education company Fourier Systems.

Anand said that the technology is a wonderful tool for teachers to explain something to students which is difficult to understand and can bring what one teaches to life and do interesting things which are fascinating without getting absorbed in tiresome boring work.

"Imagine if you can test that assumption right away. Imagine if you can show them a graph plotting the temperature or show them analysis of a particular liquid. This is a very exciting tool especially in rural areas and where proper infrastructure is not available," Anand said.





■ Chess champ Viswanathan Anand (centre) at the launch of a compact mobile lab for schools.

## Mobile science lab a boon for students

### htpacenotes

The makers of the mobile laboratory, an initiative involving India's learning solutions major NIIT and Fourier Systems, a world leader in compact educational data logging devices, launched a compact mobile laboratory to enable students to conduct experiments quicker than in a normal science lab.

The system comes with a suite of readymade probes that can be easily connected to it, thereby reducing the time for setting up the apparatus for experiments.

The technology covers a wide range of subjects such as physics, chemistry, biology and environmental sciences and offers more than 210 experiments based on textbooks published by the National Council of Educational Research and Training (NCERT).

"It is a proud moment for all of us at NIIT to gift this new technology to all the schools before the new session begins. With the Central Board of Secondary Education urging all schools to make learning fun, we have come out with this initiative which will not only help make science a fun sub-

ject, but also play a part in destressing students," said Sanjeev R. Pande, president, School Learning Solutions and HiWEL NIIT Ltd, during the launch.

Agreeing with Pande, chess champion Viswanathan Anand, who was also present on the occasion, said, "Be it sports or academics, success comes to those who inculcate learning as an everyday experience. It's a delight to see the emergence of a new concept which will help making teaching and learning of science a fun experience, thus encouraging young scientists." Students who had the first look at the innovation were excited.

"It is a very good concept. Some experiments consume a lot of time in the laboratory and on many occasions, lead to errors in reading measurements, but this new technology is said to be fast and enables error-free reading," said Arpita Kulshrestha, a Class XI student of Sadhu Vaswani International School, Moti Bagh.



## Science on the go

One are the days, when schoolchildren used labs for experiments in Physics, Chemistry, and Biology which took a lot of time to master. Times have changed and new technologies are coming in the world of science and education.

A novel way to conduct experiments in schools is set to revolutionise the way science is taught and learnt in schools. Called the mobile science lab, it is designed for classrooms of tomorrow for conducting experiments, including environmental sciences. The technique is based on the present trend of business in the country.

"It is a scientific lab which runs on battery back-up of eight hours and can be charged with generators. It has four probes and a tool for statistical analysis of captured data," says Sushmita Pruthi, Divisional Manager of the School Learning Solutions. These probes can be attached to the projector for presentations in the classrooms etc. "This scientific lab has excess space for saving and capturing real time data for permanent storage of records," Pruthi tells you.

The lab is mapped according to the curriculum of the NCERT and an individual can perform 215 experiments with the same probes. On the other hand, it is equivalent to the palm device and browses data through Wi-fi or Lan connection.

"An individual can perform experiments of light, distance, current, voltage, heat, force etc and biological experiments like recording and interpretation of ECG, transpiration in plants, measuring temperature of patients of different age groups," Pruthi adds.

Apart from this, minor experiments on comparison of carbon dioxide, common gas sources, percentage of gases, release of carbon dioxide, etc are also performed easily. "The lab has 128 MB memory. It can be carried to field trips, classrooms, home, etc for conducting the related experiments of work," says Sanjeev R Pande, President of School Learning Solutions and HIWEL, NIIT Ltd.

The product is designed to bring joy of teaching and learning science in a very interactive and interesting way for students of Classes VI to X. The lab is equipped with all standard applications like Internet, word processing, spreadsheets and e-mail to help students tabulate, record and share their observations during an experiment.

"The lab is a very sophisticated tool which remembers everything," says Viswanathan Anand, who was present at the launch of the mobile lab.

Providing an enriching experience, it also makes available the multimedia data analysis software that includes graphical manipulations, multiple analysis functions and lab reports. The tool is easy to handle and long drawn out experiments are done faster. This small and robust device comes with readymade sensors with a setup of apparatus that has perfect sound systems.

The concept, developed by NIIT and Fourier System, kept in mind that students today want to explore different areas of study and have more clarity and precision in the concept of experiments that goes well beyond the usual mindset.

— Monika Bagga



World chess champion Viswanathan Anand and primary and secondary education minister Vishweshwara Hegde Kageri interact with students at the launch of Mobile Science Labs in Bangalore

## Chess reaching rural kids

TIMES NEWS NETWORK

**Bangalore:** Imagine reading the density of an object immersed in water through the small touch-screen computer even as you are doing an experiment. This is what Mobile Science Labs, a portable lab, does. Technology-enabled, it allows students to enhance their learning capabilities by helping them co-relate classroom learning with day-to-day life.

For instance, this can be taken for regular field trips. Students can carry the portable science lab to extract real-time data for conducting experiments.

The science lab is equipped with all standard applications such as internet, word processing, spreadsheets and email to help students tabulate, record and share their observations during experiment. As many as 200 experiments from NCERT can be conducted. This lab is available through NIIT to schools across India. NIIT has worked to customize the solution use in Indian schools. It covers subjects like Physics, Chemistry, Biology and Environment sciences.

### VISHY'S TAKE

World chess champion and NIIT Mind champion

Viswanathan Anand who unveiled the product said that NIIT Mind Champ Academy goes to states which traditionally don't have much chess activity, including rural areas. "We are able to bridge the gap through computers. We are also able to deliver chess education to these kids," he said.

Anand maintained that there are a lot of similarities between science, education and chess. "For teachers it is a wonderful tool, if you (teachers) can explain easily. This tool brings science to life and does interesting things."

toibl.r.reporter@timesgroup.com

The Statesman  
New Delhi  
June 20, 2010

### Delhi Decoded

#### Portable science lab launched

**M**obile Science Lab for schools ~ an innovative learning solution which integrates science lab with classrooms ~ was recently launched by NIIT in association with Fourier Systems. World Chess Champion, Mr Vishwanathan Anand, unveiled the system in a function on his first visit to the city after winning the World Championship title this year. The solution covers wide range of subjects like physics, chemistry, biology and environmental sciences. More than 210 experiments from NCERT defined curriculum can be performed in this portable laboratory. Mr Sanjeev R Pande, the president of School Learning Solution NIIT said, "This solution will bridge the gap between classroom learning and our day-to-day life activities and make our students more inquisitive."

**EDUCATION**

## NIIT launches Mobile Science Lab

**Bangalore:** World Chess Champion Vishwanathan Anand recently launched Mobile Science Lab of NIIT, leading Global Talent Development Corporation in association with Fourier Systems, the worldwide leader in science education.

'Mobile Science Lab for Schools' is an innovative learning solution which integrates Science Lab with classrooms.

Anand said be it in sports or academics, success comes to those who inculcate learning as a 24/7 experience. Mobile Science Lab is equipped with all standard applications such as Internet, word processing, spreadsheets and e-mail to help students tabulate, record and share their observations during an experiment. It also makes available the multimedia data analysis software that includes graphical manipulations, multiple analysis functions and lab reports.

### FUN EXPERIENCE

■ "I am delighted to unveil a product that makes teaching and learning of science a fun experience, awakening and encouraging the young scientists," Anand said

NIIT and Fourier Systems have entered into an alliance to make Mobile Science Lab available to students in India. Under the partnership, NIIT would make available technology-enabled learning solution to explore science through computer-aided experimentation, while Fourier Systems would offer NOVA 5000 Science data logger with a vast range of Science probes for capturing relevant data and several other innovative solutions for learning of science. *UNI*



**World chess champion Viswanathan Anand speaks at the launch of a product of NIIT's Mobile Science Lab in Bangalore on Thursday. — PTI**

DNA  
Bangalore  
June 18, 2010

# Vishy inspires children to learn scientifically

Maitreyee Boruah. BANGALORE

World chess grandmaster Vishwanathan Anand's teenage fans may feel a little too shy to ask him for an autograph, but they were cheering loud and clear when their idol was speaking at length on the importance of science and technology in everyday life.

Vishy, as the chess champion is popularly known, was in the city to unveil a mobile science lab — a portable learning solution that integrates science in classrooms.

Primary and secondary education minister Vishweshwar Hegde Kageri was also present at the function where Vishy addressed the students and launched the mobile science lab for schools, a portable laboratory innovated by the National Institute for Information Technology (NIIT).

"I am happy to launch the mobile science lab here. It's an exciting product of learning. In today's world, use of science and technology has become indispensable. Be it playing a game of chess or a student working in laboratories as a part of school work, knowledge and power of science and technology is a must," said Anand, fresh after winning the World Champion title at Sofia, Bulgaria, last month.

Anand, who is the brand ambassador for NIIT, said that this year he was hopeful of reaching the target of teaching one million students across India the game of chess. "As part of NIIT's mind champions, we will be reaching out to one million children across India. This country has a lot of talent in terms of chess, especially in ru-

**Lab on wheels**

The National Institute for Information Technology (NIIT) launched the mobile science lab in association with Fourier systems, an industry expert in compact portable data logging devices and accessories for the education market.

The product has been customised for use in both private and government schools, covering a wide range of topics in physics, chemistry, biology and environmental science.

More than 260 experiments mentioned in the curriculum of the National Council of Education Research and Training (NCERT) can be performed in this mobile laboratory. "The price of the product varies, depending on its features. But a good laboratory with detailed features will cost around Rs8 lakh," said Sanjiv R Pande, president, School Learning, NIIT.



**CHAMPION TALKS:** Vishwanathan Anand interacting with school students at the inauguration of NIIT's mobile science lab on Thursday  
**Vishwanathan Anand**, world chess grandmaster

“In today's world, use of science and technology has become indispensable. Be it playing a game of chess or a student working in laboratories as a part of school work, knowledge and power of science and technology is a must.”

ral areas. We need to encourage them to learn the game,” he said.

A group of around 50 children representing various schools of the city, who attended the function, expressed their desire to learn chess. “I am totally inspired by Vishwanathan Anand. He's a living legend. I am lucky to see him in person today. I too want to learn and play chess,” said Priyanka, a student of Indian Pub-

lic School. Priyanka's friend, Roshni, said that Anand inspired her to know more about science.

“As Anand sir said, the mobile science lab is an exciting tool. I want to know more about various experiments in science through the product,” she said.

NIIT officials said the project aimed at students in classes six to 10. Sanjiv R Pande, president,

School Learning Solutions, NIIT, explained that the lab was the first of its kind in India.

“It brings the science lab into the classroom and helps bring to life crucial topics in science. It fosters high thinking skills in children, inculcating in them a sense of curiosity about things around them, and help them seek scientific answers,” he said.

# Technology is king in Anand's game

Chess has a positive impact on a child's mental development, says the genius

Staff Reporter

**BANGALORE:** Grandmaster Viswanathan Anand won the world championship by making the right moves and it is not just his brain that is on top of the game. "Technology is a critical aspect of my game," he said here on Thursday.

Mr. Anand, who was here in the city promoting NIIT's new Mobile Science Labs, said: "Once you reach a certain level, you simply cannot play a game like chess without technological aid."

## A laborious process

"Earlier, it was a laborious process. We would think of a play, and then manually list all possible responses of the opponents.

It would take about five days to complete one such scenario," he said.

"I have now indexed databases with tens of thousands of scenarios. The computer does the routine, repetitive work, and I am free to concentrate on playing the game."

## Chess and the child

Mr. Anand stressed the importance of technology in education, and on the importance of teaching chess in schools, which he said had a positive impact on a child's mental development.



**BRAIN POWER:** World chess champion Viswanathan Anand and Minister for Primary and Secondary Education Vishweshwara Hegde Kageri interacting with schoolchildren at the launch of 'Mobile Science Labs' by NIIT. — PHOTO: V. SREENIVASA MURTHY

The chess genius who captured public imagination by winning the Indian chess championship at 15 and considered by many to be one of the greatest ever, is also an integral part of NIIT's Mind Champions Academy.

## Football

It was a relaxed-looking world champion the press saw at Le Meridien.

The mild-mannered Anand

talked about another championship which is the opposite of his cerebral vocation: football.

He is an ardent Argentina fan, but spoke up for Spain, which shockingly lost to Switzerland.

Anand, who lives in the Iberian country for a large part of the year, said: "But given the calibre of their (Spain) players, I wouldn't count them out of it."

## Aiming for Guinness entry

Staff Reporter

**BANGALORE:** Viswanathan Anand recently met with Gujarat Chief Minister Narendra Modi with regard to break Guinness World Record for hosting the highest number of

simultaneous games of chess at a single location. The record was set in Mexico City in 2006, with 13,446 simultaneous games. Anand to be held at the Sardar Patel Stadium on December 24 this year, aims at 20,000 games.

# 'Snapshots from the launch of Mobile Science Lab by World Chess Champion, Viswanathan Anand'



# Science on the move

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