

initiative

An Update on Intel's Corporate Social Responsibility Programs in South Asia



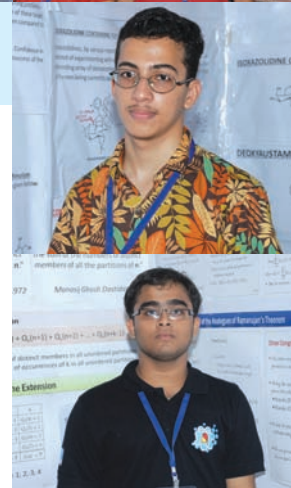
Clockwise from above: Hetal Vaishnav & Ankur Vaishnav; Diksha Gupta; Abhishek Khanna & Akanksha Verma; Pramod N V & Bhargava C S; Raghavendra Ramachanderan and Manosij Ghosh Dastidar

Research Wins Laurels for our Young Innovators at Intel ISEF 2011

The students of today are the innovators of tomorrow. Intel helps to enable the next generation of scientists, engineers, and entrepreneurs by sponsoring competitions like the Intel International Science and Engineering Fair (Intel ISEF), the world's largest pre-college science competition.

The Intel ISEF 2011, held in Los Angeles, USA during the second week of May 2011, brought together 1,600 brilliant young minds from 50 countries, who exhibited their passion towards innovation, science and research. Among them were nine young innovators from India who did their country proud. These winners from the IRIS National Fair 2010 put up a remarkable show at the fair with *all* of them winning awards for their research based projects. These budding young scientists had memorable experiences as they interacted with participants from across the world and shared their ideas with renowned scientists at the fair.

With this commendable feat, Indian students have now won over 70 awards at this prestigious international science fest since 1999, and the numbers will only keep increasing every year! **Well done, Team India!**



Milestones

I thank Intel for giving students such an amazing opportunity to showcase their talent and interest in science. Every moment spent at the Intel ISEF was memorable – mingling with like-minded students from around the world, listening to industry veterans and being inspired by what inspired them!

Raghavendra Ramachanderan
Winner of the Best Category Award, Chemistry, Intel ISEF 2011

The Winners at Intel ISEF 2011

Participant	Project Title	School & City	Award & Prize
Raghavendra Ramachanderan	Drug Synthesis (Chemistry)	St. John's International Residential School Chennai (Tamil Nadu)	Best of Category Award Chemistry and First Place Grand Award (USD 5,000 & USD 3,000)
Manosij Ghosh Dastidar	Integers (Mathematics)	South Point High School Kolkata. (West Bengal)	First Place-American Mathematical Society & Second Place Grand Award (USD 1,000 & 1,500)
Ankur Vaishnav & Hetal Vaishnav	Recycling Rexine (Environment)	Shree P V Modi School Rajkot (Gujarat)	Second Place Grand Award (USD 1,500)
Pramoda NV & Bhargava CS	Eco-friendly Ink (Environment)	Shree Ramakrishna High School Puttur (Karnataka)	Third Place Grand Award (USD 1,000)
Abhishek Khanna & Akanksha Verma	Acmella (Animal Sciences)	Maharaj Agarsain Public School New Delhi (Delhi)	Second Award and Fourth Place Grand Award (USD 500)
Diksha Gupta	Anti-fungal Agent (Micro Biology)	Maharaja Agarsain Public School New Delhi (Delhi)	Fourth Place American Society (USD 250)

This collaboration between IGNOU and Intel will create new models of teaching and learning. This is part of IGNOU's societal responsibility, and in cooperation with Intel, we hope that this will also help the national perspective of human resource development to lead India into a knowledge economy.

Prof V N Rajasekharan Pillai
Vice Chancellor, IGNOU

Reaching Out to Every Segment of Indian Society

The Indira Gandhi National Open University (IGNOU) and Intel have entered into partnership to empower educators and learners from various sections of society. *Empowering Educators to Innovate* was the first program to be launched under this partnership between IGNOU's Sir CV Raman Chair for Science Education - School of Sciences; the Human Resource Development Department, Government of Sikkim and Intel. The aim of this collaboration is to build a strong math and science foundation amongst the students, along with skills such as critical thinking, collaboration and problem solving for their future success. Teachers hone their pedagogic approaches in a transformed learning environment to enhance math and science competencies of their students. A select group of teachers have been trained on the *Intel® Teach Essentials Course* as Master Trainers, and will go on to train their colleagues, thereby creating a resource pool of technology savvy teachers.

Intel has also partnered with IGNOU to support the capacity building programs through the iCAT Centres - (Institutes of Capacity Building of Teachers) set up by



Intel and IGNOU sign the MoU in the presence of (from left) Prof. V N Rajasekharan Pillai, VC, IGNOU; Dr. Latha Pillai, Pro VC, IGNOU; Mr. Ashutosh Chadha, Director - Corporate Affairs Group, Intel South Asia and Prof. Riaz Khan, IGNOU.

IGNOU across the country. The program will provide opportunities for professional advancement of the in service teachers and student teachers from pre service colleges. It will also reach out to personnel from academics and University departments. To actualize these objectives, Intel signed an Memorandum of Understanding (MoU) with IGNOU on 4 May, 2010.

Andhra Pradesh Teachers Win Awards for Technology Integration

The Andhra Pradesh State Council of Higher Education (APSCHE), with support from Intel, felicitated the winners of the **2nd Technology in Education Awards** for effectively integrating technology into their teaching and learning processes. At this annual awards event, three colleges of education, five teacher educators and ten student teachers were honored for their effective use of technology in education and the integration of

innovative teaching methods to promote 21st century skills and enhance student learning. More than 1,000 entries were received from colleges of education across Andhra Pradesh. After the final evaluation of the projects, which was jointly done by APSCHE and the Intel® Teach Program, winners were awarded cash prizes along with a joint citation from the Intel® Teach Program and APSCHE at a function in Hyderabad in April 2011.



Job Fair for Teachers at Andhra University, Visakhapatnam

The Intel® Teach Program in collaboration with the Institute of Advanced Studies in Education (IASE), Andhra University conducted a Job Fair for teacher trainees for the fourth consecutive year on 15 May 2011 at the Andhra University, Visakhapatnam. Smt Dr D Purandeswari, Minister of State for Human Resource Development (Higher Education), Government of India inaugurated the Job fair and appreciated the efforts of the IASE, Andhra University and Intel for providing this platform for schools and teacher trainees towards facilitating recruitment.

The IASE and Intel® Education have played a pivotal role in providing job opportunities for teacher trainees, a one of its kind initiative in teacher education.

- Smt Dr D Purandeswari, Minister of State for Human Resource Development (Higher Education), Government of India

For more information on Intel's CSR initiatives in India, please email us at csrindia@intel.com

initiative

An Update on Intel's Education Programs in the North Eastern Region of India



Accelerating Education Transformation in the North Eastern Region of India

Education transformation is a key pillar of Intel's corporate social responsibility (CSR) initiatives in South Asia. During the event celebrating 10 years of Intel Education in India in September 2009, Intel made a commitment of extending its education programs to the North Eastern states of India.

The importance of education in the North Eastern states, especially in imparting proficiency in science and math, has been widely recognised by planners and policy-makers. Shri U K Sangma, IAS, Secretary of the North Eastern Council (NEC), says: "The key to the development of the North East lies in providing quality education to every child in the region and also in popularising science and mathematics among the students. Our need for a pool of good technical manpower can only be met if increasingly more students opt for science and mathematics, and then go on to acquire technical degrees."

The MoU signed between the NEC and Intel



Dr. Praveen Vishakantaiah, President, Intel India, inaugurating the ICT in Education Policy Workshop in Shillong in 2009, said, "Good quality education lays the foundation for any developed society. As the youth today are drivers of socio economic transformation, empowering them with quality education, knowledge and skills are of utmost importance."

The Journey so Far

In March 2010, Intel signed a Memorandum of Understanding (MoU) with the NEC to achieve educational excellence in the North Eastern Region (NER) through systematic educational transformation, and introduced various programs under its education initiatives. Since then, this partnership has reached out to all the eight states in the NER today through programs like the Intel® Teach Program, the Intel® Learn Program and the Initiative for Research and Innovation in Science (IRIS).

Intel firmly believes that these education programs initiated in the region will help bolster the process of education transformation in the region, thereby supporting and achieving the goals laid down by the Ministry of Development of North Eastern Region and the North Eastern Council in the VISION 2020 document.

This issue of *Initiative* shares our CSR activities across the North Eastern Region of India.

ICT is a key enabler in driving educational transformation and bringing about equity, inclusion and excellence. It is not just about providing computers to schools, but also ensuring broadband connectivity, enhancing capacities of the teachers and supporting them with right content.

Praveen Vishakantaiah
President, Intel India

The Government of Sikkim's education mission is to make Sikkim a 100% literate state by 2015. Intel's interventions in Sikkim strengthen this commitment. Intel has demonstrated unwavering commitment towards enhancing the education system in the country through the judicious use of technology (ICT) in classroom teaching and learning. Together, we will ensure that teachers and students are equipped with the right tools to connect them to 21st century opportunities.

P D Rai
Member of Parliament, Sikkim



Inside

- Converting Dreams into Reality..... 2
- Enhancing Skills in the North East..... 3
- A Glimpse into the North East..... 4



Converting Dreams into Reality

An important aspect of the training, I felt, was the stress laid on the need for computer education in today's world and the benefits our students would derive from it which would be of great help to them in their future careers and pursuits.

Barry Para Shullai
Teacher
GGHS School, Jowai
Meghalaya

Intel has initiated numerous programs in partnership with the North Eastern Council (NEC), with the aim of enhancing education, employability, and entrepreneurship in the area. Intel's belief of equity, opportunity and education for all is aligned to the government's *Vision 2020 for the North Eastern Region (NER)*.

Since the MoU was signed between Intel and the NEC in March 2010, significant progress has been made in supporting the government's objectives of achieving educational excellence in the NER.

Assam

Intel® Teach Program has impacted over 15,000 teachers across 24 districts of Assam. Apart from training the teachers, Intel also organises various workshops and seminars for principals of these schools. An MoU was signed between Intel and the Education Department, Government of Assam in September 2010.

The Intel® Learn Program has been implemented in collaboration with Markazul Ulum, a Madrasa in Guwahati, Assam, for the children of underserved communities in Guwahati, Shillong and Meghalaya. Trainers from the Madrasa have also been trained to deliver the program.

Meghalaya

Intel has been associated with the Meghalaya Education department since 2009 on its education initiatives. Under the Intel® World Ahead Program, 60 computers have been donated to 3 schools in Meghalaya .

In October 2010, a Principal's Leadership Forum was conducted at the Meghalaya Administrative Training Institute (MATI) in Shillong for 26 enthusiastic principals from various schools in the East Khasi Hills.

Manipur

Enthusiastic teachers from a school in Imphal were trained on the Intel® Teach Getting Started Course, and

are being trained as resource persons to lead all ICT initiatives in the state.

Intel has donated 200 Classmate PCs among schools in the state. The Classmate PCs (CMPC), powered by Intel, provide a rich, interactive and fun learning experience for students, and help teachers enhance their lessons with access to the Internet and multimedia.

Mizoram

The Ministry of Education and the State Council of Education Research and Training (SCERT), Mizoram have invited Intel to be a consultative partner for ICT initiatives in the state. Intel also trains SCERT teachers as resource persons for the state.

Sikkim

In October 2010, an MoU was signed between Intel and the Human Resource Department, Government of Sikkim to support the government's initiatives in education. Teacher training batches and leadership workshops for principals have since been conducted in the state.

In March 2011, a program *Empowering Educators to Innovate* was launched in Gangtok. This is an initiative by IGNOU's Sir C V Raman Chair for Science Education, School of Sciences in collaboration with the Government of Sikkim and Intel.

Other Initiatives Across the Region

- The staff from 39 Jawahar Navodaya Vidyalayas across the region have been trained under Intel® Learn to train students in these schools.
- Under the Initiative for Research and Innovation in Science (IRIS), workshops were conducted at IIT, Guwahati to prepare students towards the IRIS National Fair 2010. Three students from the region participated at the IRIS National Fair in December 2010 in Pune, out of which one from Sikkim and one from Kohima won the *Special Mention Award*.

Enhancing Skills in the North East

As Intel partners closely with the North Eastern Council (NEC) to support the government in its goal of achieving educational excellence in the North Eastern Region (NER) of India, Mr U K Sangma, Secretary, NEC shares his insights about this unique collaboration.

What is your vision for expanding education in the NER and on the role corporate companies, like Intel, can play in this endeavour?

The NER of India is blessed with natural beauty and is a biodiversity hotspot with over 350 communities in eight states with a population of about 4.56 crores. There is high potential for growth of human resources in this region. While the Government of India and the state governments are trying their best to bring about sustainable growth in the region, the importance of the corporate sector engaging in this effort cannot be overemphasised. Technology and its use is an important component of economic development. Towards furthering such an effort, Intel and NEC signed an MoU to achieve educational excellence in the NER.

What have been the key interventions of the NEC - Intel collaboration?

Based on the MoU, Intel has been interacting with all the 8 states in the region on its key programs and activities. An excellent workshop was held in New Delhi for senior stakeholders from all the North Eastern States where we had announced the MoU.

The Intel® Teach Program for in-service teachers has been launched in six states. Today, many teachers have undergone the training and are, in turn, training others.

Intel and NEC are working together on training selected resource persons in each state of the NER as *NEC Lead Master Trainers*, who will be onsite to assist classroom teachers develop student centered lessons.

The Intel® Teach Pre Service Program is being delivered through various universities and DIETs in the region. This program is also being implemented through the iCAT centers in Guwahati and Sikkim as a result of the partnership between Intel and IGNOU.



In addition, ICT in Education Policy workshops have been conducted in some of the states. Orientation programs for leaders of education in various states are also being conducted. And at the same time, ICT skill programs for non teaching staff are also being conducted.

Community development is simultaneously being addressed through the Intel® Learn Program in Assam.

How do Intel's education programs support the initiatives taken by the government in achieving educational excellence in the NER?

Human resource development is one of the key activities undertaken by the NEC. We have many initiatives to support educational excellence in the states of the NER. Intel's programs complement our efforts effectively.

What are the education opportunities that Intel and NEC can pursue together in the future?

Technology is all pervasive and is touching our lives all the time. The Internet is the window to the world and can today be accessed even from a remote village in the NER. The government is ensuring that connectivity reaches every village. Intel and NEC can jointly train citizens to be digitally literate so that they can tap into information available across the globe. As email and other services are used extensively in various government departments, this training could be conducted for all government employees as well.

What has been your experience of working with Intel?

My experience of working with Intel has been one of seamless cooperation on shared goals. This validates the fact that the government and the private sector can work together to synergise their efforts for the betterment of our country. I hope that Intel will continue to strengthen its CSR activities in other sectors of development as well.

I believe this training is very important to the teachers. I have understood how to use technology effectively in the teaching-learning process. I have also learnt project based approaches, critical thinking and collaboration, all of which would definitely improve the level of student interest in the class room.

Dipu Kumar Neog
Assistant Teacher
Borpatradol H S Sivsagar,
Assam

A Glimpse into the North Eastern Region

Right:

A group of Master Trainers from SCERT, DIET and Mizoram University during a training session in Mizoram



Clockwise from right:

1. Teachers at a workshop in Manipur
2. Ms Sujata Cohain Baruah from Assam, the millionth teacher trained under the Intel Teach Program, is seen here honouring Dr Praveen Vishakantaiah, President, Intel India
3. Dr Praveen Vishakantaiah exchanging the MoU with the Commissioner of Education in the presence of the Minister of Education, Government of Assam in September 2010
4. Mr B K Handique, Minister of Development of North East Region (DONER), at an event in New Delhi in June 2010



Right:

A class in action in Assam

Far Right:

Students enjoying a technology based lesson with their teacher in Sivasagar



For more information on Intel's CSR initiatives in India, please email us at csrindia@intel.com