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Universities opt for IBM technologies for teaching

New Delhi, Sep 18 (IANS) Universities in India are increasingly opting for IBM technologies to prepare students with the help of virtualization equipment and software to aid high end research, refine processes and elevate the IT infrastructure in the universities.

The Indian Institute of Technology (IIT) Madras, The Indian Institute of Science Education and Research , Bhopal, Karunya University, Coimbatore and the Shiv Nadar University have selected IBM technologies, the company said in a statement here Wednesday.

"With education being high on the public agenda, and with students, professors and the society calling out for new ideas and solutions for better and new skills, the agreement between IBM and these leading universities in India, recognizes the increasing relevance of smarter computing as an approach to IT," Tobby Kakkamthottil, midmarket and inside sales leader, IBM India/South Asia said.

"If universities are to produce highly qualified students in the various branches of science, they need to focus on integrating science education and research with advanced information technologies – that is, they need to consider adding supercomputing capacity," Sunil Kumar, a professor at IIT, Madras said.

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IBM sees increased adoption for technology solutions among universities in India

IIT Madras, Karunya University, Shiv Nadar University and IISER Bhopal are using technology solutions from IBM to improve the quality of education

InformationWeek, September 19, 2013

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IBM today announced that leading universities across India are using IBM's technologies to improve the quality of the education process, introduce new curricula and prepare their students for jobs in the future. Zinnov, a leading advisory firm, recently recognized IBM India as the leader amongst MNC (multinational) Technology Centers that have contributed significantly to the development of the University Ecosystem in India, for the third consecutive year.

The Indian Institute of Technology (IIT) Madras, The Indian Institute of Science Education and Research (IISER), Bhopal, Karunya University – Coimbatore, and the Shiv Nadar University (SNU) have selected IBM High Performance Computing (HPC) solutions, IBM System x iDataPlex servers, IBM PureSystems, IBM Power servers and storage solutions, virtualization equipment and software to aid high end research, refine processes and elevate the IT infrastructure in the universities.

"With education being high on the public agenda, and with students, professors and the society calling out for new ideas and solutions for better and new skills, the agreement between IBM and these leading universities in India, recognizes the increasing relevance of smarter computing as an approach to IT," says Tobby Kakkamthottil, Midmarket and Inside Sales Leader, IBM India/South Asia. "IBM's smarter computing approach helps clients address increasingly more sophisticated workloads and applications, efficiently. It enables organizations of any size – from midmarket clients to large enterprises, leading universities or the state administration - to optimize their business processes and gain competitive advantage, spurring growth."

The education sector in India is at the brink of IT enabled transformation. IBM Research is also working on technologies for intelligent, interactive content, learning content management and delivery, as well as personalized education, which, once mature can plug gaps that result from challenges in reach and scale, engaging content and lack of personalization.

Supercomputing can be used for everything from weather forecasting to searching for a cancer cure. With data starting to flow, we are quickly approaching the exascale* barrier. However, today an exascale computer would require approximately 100 MW power - an equivalent to that used by more than 100 000 homes in India, In order to reap the economic and scientific benefits from the super computing, capabilities that offer highest computing capacity per watt, become instrumental. In that space IBM's Smarter Computing approach to IT becomes increasingly relevant.

Advancing scientific industrial and life sciences research, the Indian Institute of Technology in Madras, the Indian Institute of Science Education and Research in Bhopal (IISER Bhopal) and Shiv Nadar University all turned to HPC (High Performance Computing), implementing the country's largest supercomputing clusters within the education sector. These three universities are playing an important role in shaping India's national research agenda.

"In high-energy physics and bio-medical research, for example, simulation has become an integral part of science alongside theory and experimentation. Trial run for years, generating enormous volumes of data to process, and complex modeling that integrates mathematics, physics, chemistry and biology with advanced, high performance computing and engineering." says Prof. Sunil Kumar, Indian Institute of Technology, Madras. "If universities are to produce highly qualified students in the various branches of science, they need to focus on integrating science education and research with advanced information technologies - i.e. they need to consider adding supercomputing capacity."

As part of today's news, IBM is also announcing that Karunya University, one of India's top engineering universities has selected IBM PureSystems solutions to improve online student services by more effectively processing applications, such as handling online enrolment, exam scheduling, virtual campus management, etc.

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IBM ties up with IIT Madras, Shiv Nadar varsity

PTI | Mumbai | Updated: Sep 18 2013, 19:36 IST

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SUMMARY

Technology major IBM today tied up with IIT Madras, Karunya and Shiv Nadar universities to deploy its 'smarter computing' technology

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Technology major IBM today tied up with IIT Madras, Karunya and Shiv Nadar universities to deploy its 'smarter computing' technology aimed at improving the education process, introduce new curricula and prepare the students for future jobs.

"IIT Madras, Indian Institute of Science Education and Research (IISER) Bhopal, Karunya University in Coimbatore and the Shiv Nadar University (SNU) have selected IBM high performance computing (HPC) solutions to aid high-end research, refine processes and elevate the IT infrastructure in universities," IBM said in a statement, without disclosing the financial details.

According to technology market researcher IDC, about five per cent of the USD 40-billion domestic IT market, including hardware, software and IT services, was contributed by the education sector.

This market is expected to grow at nearly 12 per cent through 2017, presenting growth opportunities

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education

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"IIT Madras, Indian Institute of Science Education and Research (IISER) Bhopal, Karunya University in Coimbatore and the Shiv Nadar University (SNU) have selected IBM high performance computing (HPC) solutions to aid high-end research, refine processes and elevate the IT infrastructure in universities," IBM said in a statement, without disclosing the financial details.

According to technology market researcher IDC, about five per cent of the $40-billion domestic IT market, including hardware, software and IT services, was contributed by the education sector.

This market is expected to grow at nearly 12 per cent through 2017, presenting growth opportunities for IT companies like IBM.

"With education being high on the public agenda, the agreement recognises the increasing relevance of smarter computing as an approach to IT," IBM India/South Asia mid-market and inside sales leader Tobby Kakkamthottil said.

IBM already has partnerships with various educational institutes aimed at enhancing curriculum, competitive skills of students as well as making them industry-ready.

Keywords: IBM, IIT Madras, Shiv Nadar varsity

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