

## **Shiv Nadar University sponsors 'Inviting All Young Minds – 2011 Strengthens Academic Collaboration with Mathematical Sciences Foundation**

**IAYM-2011 Projects to include: Mathematics from Nature, World of Fractals, Innovations in Public Transportation, Video Compression, Encryption and Mathematical Biology**

**Delhi - June 7, 2011:** Strengthening its presence in the academic community, Shiv Nadar University has partnered with the Mathematical Sciences Foundation to sponsor the 'Inviting All Young Minds – 2011'. The IAYM-2011 camp (<http://www.mathscifound.org/activities/iaym11/>) will be held from June 6 to June 28 this year and aims to nurture out of the box thinking by involving students in innovative projects that encourage experiments via computer simulation and physical models.

A 4 week summer internship programme, the third edition of 'Inviting All Young Minds -2011' will provide an opportunity to 60 bright minds (Class X and above, as well as College) from around the country to engage in path-breaking real world projects that have been a subject of vigorous research in the recent years.

Announcing the partnership, **Dr. Nikhil Sinha, Founding Vice Chancellor, Shiv Nadar University** said, "We are extremely pleased with our academic collaboration with the Mathematical Sciences Foundation. Sponsoring IAYM-2011 reiterates our commitment to transform the way education is delivered in the country. Education should be participatory and engaging and also help ignite young minds by linking it to research and innovation and also to the needs of society."

Added, **Prof Dinesh Singh, Director, Mathematical Sciences Foundation**, "We find in the Shiv Nadar University an entity that is embarking on a new path when it comes providing holistic higher-education. We are united in a common task that seeks to engage with all sections of society to recognize and participate in introducing links between education and the real world. IAYM is one such platform that seeks to revitalize mathematics through innovations, inventions and applications as a part of the curriculum; as well as to create a platform for research pedagogy and train school and college faculty and students."

IAYM encourages participants to work on projects that encourage experiments via computer simulation as well as physical models. A great platform for students who aspire to become scientists, computer engineers, stock market wizards or mathematicians, IAYM provides all participants with a project mentor who takes care of all the mathematical / IT preliminaries involved in the projects. The goal is for students to develop their own insights and innovations, rather than merely imbibe or implement set procedures. The tools used are computer simulations, physical models, and constant questioning of assumptions (old and new).

The projects currently shortlisted for IAYM 2011 are: Mathematics from Nature, World of Fractals, Innovations in Public Transportation, Video Compression, Encryption and Mathematical Biology

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### **About the Shiv Nadar Foundation**

The Shiv Nadar Foundation ([www.ShivNadarFoundation.org](http://www.ShivNadarFoundation.org)) has been established by Shiv Nadar, Founder, HCL - a \$5.7 billion leading global technology and IT enterprise, which employs over 79,000 employees across 31 countries. The 34 year old enterprise, founded in 1976, is one of India's original IT garage start-ups and offers diverse business aligned technology solutions spanning the entire hardware and software spectrum, to a focused range of industry verticals.

The Foundation is committed to the creation of a more equitable, meritocracy based society by empowering individuals to bridge the socio-economic divide. To that purpose the Foundation is focused on the rather

underdeveloped disciplinary areas in India related to **philanthropic transformational education, creativity and art**.

The Foundation has set up the **SSN Institutions** ([www.SSN.edu.in](http://www.SSN.edu.in)) in 1996, comprising the SSN College of Engineering (already an India top 10 private engineering college), the SSN School of Management and Computer Applications and the SSN School of Advanced Software Engineering, in Chennai, Tamil Nadu. In addition the Foundation runs the **VidyaGyan schools**, (in Bulandshahr, Sitapur and upcoming school near Varanasi) a radical social experiment in nurturing leadership from amongst highly gifted rural poor children in Uttar Pradesh. The Foundation is also setting up **Shiv Nadar Schools** across India to build world-class sustainable schools that provide children with the right platform to shine in a fast-changing environment.

Building on the experience from successfully running the SSN Institutions, the Shiv Nadar Foundation now proposes to set up the **Shiv Nadar University** in a 286 acre campus in Greater Noida.

### **About Mathematical Sciences Foundation**

The Mathematical Sciences Foundation (MSF) has been engaged for over several years in pioneering work through several innovative programmes related to the teaching, understanding, learning and application of mathematics at the school, college and postgraduate levels. MSF believes in hands-on education in which research by students and faculty is an integral part. The Foundation is creating a role model for higher education in India. The vehicle that drives this role model is the discipline of mathematics and its myriad connections in a broad and liberal fashion to all areas of human endeavour.

MSF is a registered non-profit educational society (under the Societies Registration Act of 1860). The ICICI Bank is an institutional member of MSF. Our activities have been supported by ICICI Bank, NASSCOM, Tata Interactive Systems, National Board for Higher Mathematics, National Board for Bamboo Application, University of Houston, NIIT and various other bodies and individuals.

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