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Press release

Source: Nina Saxena

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Nina Saxena Excellence in Technology Award, 2010 was presented to Research Centre Imarat (RCI)

Award-winning research focuses on Development of State of art Fiber Optic Gyroscope Technology for Aerospace System

Mumbai, Maharashtra, India, Monday, August 23, 2010 -- (Business Wire India)

The 4th Nina Saxena Excellence in Technology Award was presented jointly to Dr. Jagannath Nayak, Shri Pradeep Kumar, Shri Hari Sanker Singh, Shri M P Unnikrishnan, Shri G Krishan Prasad, Shri CHSS Satyanarayana, Shri Sailesh Kumar and Mrs. Jagadmbal, from Research Centre Imarat (RCI). The first of its kind India-wide excellence Award was instituted by IIT Kharagpur in 2006.

Commemorating the spirit of its illustrious alumna Dr. Nina Saxena, the pioneering award encourages and promotes technical innovation with a focus on social development. A 12-member jury of international experts adjudged the nominations on the basis of innovativeness, applicability, and most importantly the potential of the application for social development with specific reference to backward areas in India.

Speaking on the occasion Professor Amit Patra, Dean, Alumni Affairs IIT Kharagpur said "Dr. Nina Saxena was a brilliant and illustrious alumna of this Institute. She was also interested in fostering path-breaking and exemplary research in India. This Award has kept her vision and philosophy of life intact by aptly recognizing the innovation of Dr. Jagannath Nayak, Shri Pradeep Kumar, Shri Hari Sanker Singh, Shri M P Unnikrishnan, , Shri G Krishan Prasad, Shri CHSS Satyanarayana, Shri Sailesh Kumar and Mrs. Jagadmbal from Research Centre Imarat(RCI)"



The team has made an excellent contribution by indigenously developing and qualifying optic gyroscopes(FOG) for multiple users of missile systems(AKASH, NAG, K-15, AAD) and main battle tank(MBT). FOG based sensor units are successfully flight tested in AD and NAG Missiles system in year 2009 and field trials in MBT for GUN control system in year 2009, meeting all technical specification requirements. Now country will no more depend on export of fiber optic gyros for missiles and Tank control applications. The team has developed critical components and technologies which includes fiber optic components- depolarizer phase, modulators, couplers, sensor coil, integrated optic components, light sources, photo detectors, assembly techniques,and automatic manufacturing technology for component fabrication and fiber optic gyro assembly. They have used variety of innovative methods in developing new technologies such as Broad band fiber laser, Optical Hybrid Bench (HOB) and sensor coils. Under large scale production, this innovation is expected to save the country Rs.500 lakhs per month.

Presenting the award to the winner, Chief Guest Dr. D Subbarao, RBI Governor, said: "The award-winning research typifies the best of indigenous research and how technology can be used for the benefit of the nation. This award recognizes individuals and institutes undertaking exemplary work. I am proud to present the Nina Saxena Excellence in Technology Award jointly to Dr. Jagannath Nayak, Shri Pradeep Kumar, Shri Hari Sanker Singh, Shri M P Unnikrishnan, Shri G Krishan Prasad, Shri CHSS Satyanarayana, Shri Sailesh Kumar and Mrs. Jagadmbal from Research Centre Imarat (RCI)"

About the Nina Saxena Excellence in Technology Award

A first of its kind, the Nina Saxena Excellence in Technology Award was instituted by IIT Kharagpur in 2006 to commemorate the memory of Nina Saxena, an alumna of IIT Kharagpur. It celebrates the spirit and memory of Dr. Nina Saxena, B.Tech (Hons.), ECE 1992, who passed away tragically in 2005.

Nominations for the Award was open to all scientists of Indian origin.

For more details visit <http://www.ninasaxena.com>

The Award is funded through an endowment of the Nina Saxena Memorial Fund. The fund is being collected through IIT Foundation (a non-profit organization and a US 501(c) organization).

About IIT Kharagpur

The oldest of the seven IITs, Indian Institute of Technology has always led the way in research and diversification of education. The Institute houses the maximum number of departments, schools and centres and some of these are unique to only IIT Kharagpur. This premiere education and research Institute is spread over a sprawling 2100 acres and is one of the greenest campuses in the nation. The Institute also has two other smaller campuses at Bhubaneswar and Kolkata. IIT Kharagpur strives to provide an environment of research and innovation and stresses on practical application of science and technology. The Institute also believes in maintaining a strong family bond with its alumni spread all over the globe. Nina Saxena was also a very distinguished alumna of the Institute. On the 57th Foundation Day, IIT Kharagpur salutes its founding fathers, students, faculty and staff, for making Pt. Jawaharlal Nehru's dream a reality.

For further details visit <http://www.iitkgp.ac.in>

To view photograph kindly click on

[The winner Dr Jaqannath Nayak, Team Lead of Winning team of RCI](#)

For press backgrounder on Nina Saxena click [here](#)

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