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Indo-Spanish project for SVU

Staff Reporter

Sri Venkateswara University's Department of Physics has bagged a prestigious Indo-Spanish international project from the Department of Science and Technology, New Delhi, under the India-Spain Science and Technology Cooperation.

The project, titled 'Development of rare earth-doped nano-crystalline materials for applications in optical sensors and photonic devices', is a first-of-its-kind for the varsity.

The DST will spend Rs.34 lakh, while the Spanish government expends 98,252 Euros for the three-year old project.

The Indian team is headed by C.K. Jayasankar of SV University as the principal investigator, while the co-investigators are M.L.P. Reddy, Deputy Director, NIIST Tiruvananthapuram, Palamadala Babu of Govt. Degree and PG College, Wanaparthy and V.Venkatramu from Yogi Vemana University (Kadapa) as co-investigators.

The Spanish team consists of Victor Lavin from the Universidad de La Laguna as the principal investigator, while the co-investigators are Ulises Ruyman Rodriguez Mendoza, Inocencio Rafael Marin Benen and Graduate Sergio Fabian Leon Luis.

The two teams exchange their research activities through eighteen visits between India and Spain.

While the team led by Prof. Jayasankar will develop different types of Ln³⁺ doped nano-crystalline materials, they could be characterised in Spain with a variety of advanced techniques.

The material would be of immense use in optical sensors and photonic devices.

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