

## Press Release

### **Dr Jagadish influenced the young brigade of SRMAP on the making of self-reliant India**

“Using Light to Sense and Interface humans could be the 4<sup>th</sup> Industrial Revolution,” said Dr Chennupati Jagadish, a distinguished professor in Physics in the Research School of Physics and Engineering at the Australian National University in his talk on “Semiconductor Nanostructures for Optoelectronics Applications” in the fourteenth edition of the University Distinguished Lecture Series conducted by SRM University-AP, Andhra Pradesh on December 22, 2022.

The event was inaugurated by Prof V S Rao, esteemed Vice-Chancellor (SRM University-AP). The revered Pro-Vice-Chancellor (SRM University-AP), Prof D Narayana Rao powerfully emphasized on event’s motives, vision, and outreach, "Universities are creators of new knowledge, innovative ideas, and providers of talented and skilled manpower to the world."

Dr Jagadish was honoured as Champion of the Order of Australia for his eminent contributions to Physics and Engineering at the Australia Day Honours 2016. He has acquired the IEEE Pioneer Award in Nanotechnology (2015), the Walter Boas Medal from the Australian Institute of Physics (2013) and the Thomas Ranken Lyle Medal from the Australian Academy of Science (2019).

Dr Jagadish has led the Semiconductor Optoelectronics and Nanotechnology Group as its head since its establishment in 1990 by him. He believes that in the fourth industrial revolution, the digital and the biological technology will merge and, as 90% of our information is received by light, the Optical, and photo-electronics based trillion-dollar industries will double in their value by 2030. He addressed the growing interest in research and analysis on nanowires in the field of electronics and communications, which could have far-reaching benefits. He noted that the development of nanowires could address a wide range of challenges in science and technology.

The developing research in Augmented Reality, Wearable Optical Sensors, Holographic Displays etc. and the people working on it as the students and staff at SRM University-AP stand to enhance the market and build upon the vision of a self-reliant India, according to Dr Jagadish.

His talk elaborated on the ongoing research, challenges and possibilities of development in this sector, and he concluded on the optimistic note that more and more researchers would come up with new ideas or world-changing solutions.

The event series was attended by over 2300 members from varying walks of the science field from IITs, NITs, IISERs, Universities and Institutions, CSIR, DST, DBT, DRDO, DAE, ISRO, NARL, MoES and several others from different parts of the country.