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## **PRESS-RELEASE**

### **IIT (ISM) Dhanbad Hosts Five-Day Workshop on Phased Array Antenna Systems for Radar and Modern Communication Applications**

The Department of Electronics Engineering at the Indian Institute of Technology (Indian School of Mines) Dhanbad, is hosting a five-day workshop on **Phased Array Antenna Systems for Radar and Modern Communication Applications** from **February 15 to 19, 2025**. The workshop aims to provide in-depth insights into phased array technology and its applications in modern communication and radar systems.

A total of **35 participants** from esteemed organizations, including the **Defence Research and Development Organization (DRDO), Indian Space Research Organization (ISRO), various IITs and NITs, and L&T**, have gathered at the **TEXMiN Smart Class, IIT (ISM) Dhanbad**, to explore different aspects of phased array antenna systems learnt about the key topics todayd during the 2<sup>nd</sup> day for workshop including; Principles of Phased Array Antennas; Application and Challenges in RF Front-End Design Systems; Frequency Synthesizers for Radar and Communication; Design and Development of Flat Panel Phased Array Antennas for Base Station and CubeSat Communication Applications.

The day 3 of workshop tomorrow will witness experts lectures including on Wireless Connectivity on Mobile PCs and Challenges in 5 G mm-Wave Phased Array Antenna Integration by Dr. Jayprakash Thakur (Intel Technology, Bangalore); Active Electronically Scanned Arrays of Airborne Applications by Ms. Savita Gond, Scientist F, CABS, Benagluru; two separate lectures on Phaaed Array Antenna Measurements by Marwin Countinho by Rohde and Scgwarz, Hyderabad and Calibration on Phased Array System by Mr. Virendra Kumar, Scientist F, LRDE, DRDA Bangalore.

The inaugural ceremony, held on **February 15, 2025**, was graced by **Dr. P. Hanumantha Rao, Director General, SAMEER**, as the **Chief Guest**. The event was also attended by **Prof. Dheeraj Kumar, Deputy Director, IIT (ISM) Dhanbad**, and **Prof. Sagar Pal, Dean (R&D), IIT (ISM) Dhanbad**.

The workshop is being coordinated by **Prof. Ravi Kumar Gangwar, Head of the Department of Electronics Engineering, IIT (ISM) Dhanbad**, who played a key role in organizing this knowledge-sharing platform. Through expert-led discussions and interactive sessions, the workshop seeks to equip researchers, academicians, and industry professionals with the latest advancements in phased array technology.

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