



INDIA SCIENCE AND INNOVATION WEEKLY

Ask the right questions, and nature will open the door to her secrets.

- Dr. C.V. Raman, The Nobel Prize in Physics 1930

Fifteenth India Innovation Summit

Confederation of Indian Industry (CII) is organising the 15th India Innovation Summit on 21-22 August 2019 in Bengaluru. The theme is 'Innovation Manifesto – Scaling for the Next Decade'. Among the focus areas of the summit are vocational skilling, climate change and sustainability, living in the 5G world, impact of digitization in linguistics etc.

AI-driven Logistics Startup helping SMEs in India

Shiprocket, an AI-based courier aggregation platform, has helped over 30,000 businesses to expedite shipping. The company targets all direct-to-consumer sellers in the e-commerce market, which make more than a third of the e-commerce shipments. It expects to triple its shipments by the end of 2020.

140 startups incubated by SINE

Society for Innovation and Entrepreneurship (SINE) at IIT Bombay incubated 140 startups in 15 years. The startups produced 360 entrepreneurs who created more than 3600 employment opportunities. SINE has been designated as 'center of excellence' by Department of Science and Technology, Government of India.

IIT and NIOT research to harness wave energy

Indian Institute of Technology Madras and National Institute of Ocean Technology are developing better turbines that use the power of ocean waves to generate electricity. The research focuses on improving the devices & machines used for wave energy harvesting and is aimed at meeting renewable energy and climate change objectives of Government of India.

Intel AI Bootcamp

Intel hosted its premier AI Development 'Intel AI Dev Camp' on 7 August 2019 in Bengaluru. Intel has trained more than 1,50,000 developer students to professor to boost AI ecosystem in India in the last two years.

Indian Space Research Organization (ISRO) Space Museum inaugurated in Hyderabad

To celebrate 50 years of the Birla Archaeological and Cultural Research Institute (BACRI), BM Birla Science Center, with the cooperation of ISRO, opened the Space Science Museum in Hyderabad on 29 July 2019. The museum exhibits scale models of Indian Launch vehicles GSLV Mark III, GSLV Mark II and PSLV, Chandrayaan-1, Mars Orbiter spacecraft, APPLE, Aryabhata, Bhaskara, Rohini RS-1 and a model of International Space Station (ISS).

UKRI working with India to tackle air quality

UK Research and Innovation (UKRI) along with Indian partners has launched a two-year India-UK joint initiative, Innovation for Clean Air (IFCA) in Bengaluru. The initiative would aid in providing a unique air quality measurement system by integrating satellite and sensor data as well as support India's transition to Electric Vehicles. The Program will also identify challenge around building EV-Charging infrastructure, grid management and integrating renewable energy to ensure sufficient, clean and reliable source of power.

Extreme Photonics Innovation Center, Hyderabad

Tata Institute of Fundamental Research (TIFR), and Central Laser Facility (CLF) of the UK, announced the launch of the Extreme Photonics Innovation Center (EPIC) at TIFR Hyderabad campus. EPIC will work on the control systems for the next generation high-power lasers. It will be developing advanced technologies in the field of laser science, high quality optical components and state-of-the-art electronics and software. TIFR has earned global recognition for its contribution to high energy density science.

Tech-ex Technology Exhibition

Tech Ex-Technology Exhibition was inaugurated on 4 August at IIT Delhi. Products and prototypes developed under Government of India's following two flagships schemes were showcased: Impacting Research, Innovation and Technology (IMPRINT) and the Uchchar Avishkar Yojana (UAY). Tech Exhibition gives researchers a platform to display their ground-breaking innovations. 50 models/prototypes under IMPRINT and 26 under UAY were showcased. Many of the prototypes are at the verge of commercial production.

Special Update: Aryabhata Research Institute of Observational Sciences (ARIES)

ARIES is located close to Nainital in the mountain state of Uttarakhand. The unique position of ARIES (79° East), places it at almost in the middle of 180° wide longitude band, between Canary Island (20° West) and Eastern Australia (157° East), and therefore complements observations which might not be possible from either of these two places.

ARIES is one of the leading research Institutes which specializes in observational Astronomy & Astrophysics and Atmospheric Sciences. The main research interests of Astronomy & Astrophysics division are in solar, planetary, stellar, galactic and extra-galactic astronomy including stellar variabilities, X-ray binaries, star clusters, nearby galaxies, quasars, and inherently transient events like supernovae and highly energetic gamma-ray bursts. Research focus in Atmospheric Sciences division is mainly in the lower part of the atmosphere and covers the studies on aerosols and trace gases. ARIES has been making unique contributions from time to time.