VOL: 04, ISSUE 3 DECEMBER 2022

BRINGS NEWS ON S&T DEVELOPMENT FROM DST SUPPORT AND BEYOND

Science, Technology, Research, Innovation & DEvelopmentS

EDITORIAL

As we bid goodbye to 2022 the achievements across the S&T sector gives prior indications of the bright days to come. While India's ranking in global S&T indices continues to rise, the country is creating a robust start-up and innovation ecosystem for new ideas to bloom and young minds to flourish. India is achieving new heights in supercomputing capacity and boosting technology development in cyber-physical domains like AI, Robotics, IoT through research and innovation hubs. With new MoUs signed and old ones upscaled, India's position in international S&T engagement is being strengthened. The new geospatial policy is increasing access to spatial data while geospatial data, infrastructure and technology are leading to improved citizen services. Technology commercialization has seen crucial success stories and scientific infrastructure is becoming accessible for all stakeholders. Besides, S&T is bringing critical solutions to challenges in new and emerging areas like energy, environment and climate change.

Talents in S&T are being nurtured in upcoming areas by attracting the best talent pools to pursue their career in science, augmenting research capabilities in state universities and colleges, promoting science and technology through the S&T supported in states and UTs as well as promoting career opportunities for women scientists. S&T is also helping us conserve our heritage and joining hands with other ministries to bring S&T solutions for everyday problems in all sectors.

Happy New Year to you all!

-DR AKHILESH GUPTA, EDITOR-IN-CHIEF

COVER STORY



Union Minister
Dr Jitendra
Singh says,
India producing
medical devices
at 1/3rd world
price

Union Minister Dr Jitendra Singh said, India is among the top five countries in the

world manufacturing life-saving high risk medical devices but the cost of our devices is about one-third of those manufactured by the other four countries.

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Two countries
e m p h a s i s e
on having
institutionalised
joint working
group on areas of
mutual interest

Finland Minister of

Education and Culture, Petri Honkonen called on Union Minister of Science and Technology Dr Jitendra Singh at North Block to seek enhanced bilateral cooperation between the two countries in the field of Science, Technology and Innovation (STI).

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Editorial Cover Story

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Major Achievements of DST in 2022

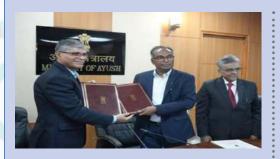






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MoU signed between Ministry of Ayush and Department of **Science and Technology**

The MoU will identify potential areas of research to explore cooperation, convergence, and synergy for evidence-based scientific intervention in the Avush sector and further application of these into the public health care system

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Sweden delegation visits India to enhance S&T Cooperation

Srivaric Chandrasekhar Secretary, DST, and Ambassador Jan Thesleff, Embassy of Sweden in India spoke about ways to enhance the S&T Cooperation between the two countries while addressing a delegation from Sweden along with young startups which visited India.

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Need to build on community strength & customize role of technology according to their needs highlighted at National Conclave on Techneev@75

The need to build on the strength of the community and customize the role of technology according to the systemic needs of the community for changing their life and livelihood was highlighted at the National Conclave Techneev@75. organized on December 21, 2022.

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Indo-UK workshop highlights commitment towards environmental goals of both countries

Srivari Chandrasekhar, Dr. Secretary, DST, highlighted towards India's commitment environmental which goals, includes efforts consistent development towards the mitigation & monitoring solutions environmental pollution and techno-based pathways for reducing carbon emissions achieve net zero targets.

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Potential for India & US to jointly address global challenges through interventions in critical and emerging areas discussed

The potential for India and US to work together to address the common global challenges scientific through technological interventions was underscored at 22nd meeting of Governing Body Indo-US Science Technology Forum held on 15 December 2022.

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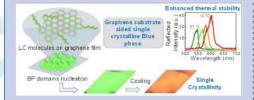






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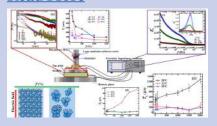
Importance of public and private collaboration highlighted at meeting to discuss setting up of hydrogen valley platforms in India

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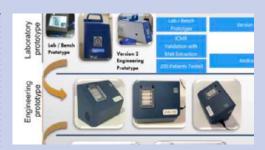


India's SARAS radio telescope provides astronomers clues to the nature of Universe's first stars and galaxies

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brings **Infosys** awardee affordable diagnostic technologies remote, for resource constrained areas Read More

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mechanism for New identification of future dysfunctional cells can help in spotting autism & early detection of cancer

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Major Achievements of

In the year 2022, S&T has seen major achievements bringing with it hopes for a better future. India's advances in new & emerging areas of S&T, it's demonstration of capability to find solutions to critical global & local challenges, it's innovation ecosystem which is continuously encouraging young talents are all helping it stand out as a major global S&T contributor.

India's ranking in global S&T indices continues to rise

Creating a robust start-up and innovation ecosystem

India achieving new heights in supercomputing capacity

Boosting technology development in cyberphysical domains like Al, Robotics, IoT through research and innovation hubs

Strengthening India's position on international S&T engagement

Geospatial data, infrastructure and technology leading to improved citizen services

New feathers to technology commercialization

Accessible scientific infrastructure for all stakeholders

Technology-led solutions for energy and environment challenges

Climate change research expanding to newer areas

Promoting career opportunities for women scientists

Attracting the best talent pools to pursue their career in science

Conserving the heritage through digital technologies

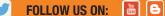
Augmenting research capabilities in state universities and colleges

Nurturing science and technology through the s&t supported in states and uts

Policy formulation in some key areas

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