



Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**  **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

**Programme Grid**

Proposed Session timings	Day 1 7 December 2020	Day 2 8 December 2020		Day 3 9 December 2020	
1430 – 1600 hrs (IST) 0900 – 1030 hrs (WET)	Inaugural Session	Session 1 (a): WaterTech	Session 1(b): HealthTech	Session 3(a): Cleantech (Sustainable construction Technologies)	Session 3(b): IT/ ICT & Emerging technologies
1600 – 1630 hrs (IST) 1030 - 1100 hrs (WET)	Break				
1630 – 1800 hrs (IST) 1100 – 1230 hrs (WET)	Global Tech Leadership Plenary	Session 2 (a): AgriTech	Session 2(b): CleanTech (Clean energy/ Climate change)	Session 4(a): Innovation and start-up ecosystem & CII Industrial Innovation Awards ceremony	Session 4(b): Space-Ocean Interactions
1815- 1900 hrs (IST) 1245- 1330 hrs (WET)	<i>Tech Talks</i>	<i>Tech Talks</i>		Closing Plenary Session	





Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**  **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

**INAUGURAL SESSION**

**7 December 2020**

1430 – 1555 hrs (IST)

0900 – 1025 hrs (WET)

1430 - 1435 hrs (IST) 0900 - 0905 hrs (WET)	Welcome Remarks	<b>Mr. Chandrajit Banerjee</b> Director General Confederation of Indian Industry (CII)
1435 - 1440 hrs (IST) 0905 - 0910 hrs (WET)	Address	<b>Mr. Alok Nanda</b> Co-chairman, CII National Committee on R&D & Innovation and CTO, GE South Asia & CEO, GE India Technology Centre
1440 - 1445 hrs (IST) 0910- 0915 hrs (WET)	Address	<b>Mr. Vipin Sondhi</b> Chairman, CII National Committee on R&D & Innovation and Chairman, Technology Summit and CEO and MD, Ashok Leyland
1445 - 1455 hrs (IST) 0915 - 0925 hrs (WET)	Special Address	<b>Prof. Ashutosh Sharma</b> Secretary Department of Science and Technology (DST) Government of India
1455 -1505 hrs (IST) 0925 - 0935 hrs (WET)	Special Address	<b>Prof. Helena Pereira</b> President, Board of Directors FCT
1505 - 1515 hrs (IST) 0935 - 0945 hrs (WET)	Special Address	<b>Dr. V K Saraswat</b> Member, NITI Aayog Government of India
1515 – 1520 hrs (IST) 0945 - 0950 hrs (WET)	<b>Inauguration of Virtual Exhibition</b>	
1520 - 1535 hrs (IST) 0950 - 1005 hrs (WET)	Keynote Address by the Guest of Honour	<b>Prof. Manuel Heitor</b> Hon'ble Minister of Science, Technology and Higher Education Government of Portugal
1535 – 1550 hrs (IST) 1005- 1020 hrs (WET)	Inaugural Address by the Chief Guest	<b>Dr. Harsh Vardhan</b> Hon'ble Minister of Science & Technology, Health and Family Welfare and Earth Sciences Government of India
1550- 1555 hrs (IST) 1020- 1025 hrs (WET)	Closing Remarks	<b>Mr. Sanjeev K Varshney</b> Head, International Cooperation Department of Science & Technology Government of India





Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII

INDIA  PORTUGAL

# TECHNOLOGY

7-9 December 2020 **SUMMIT**

## TECH LEADERSHIP PLENARY SESSION

*India & Portugal: Shared Challenges, Joint Solutions*

**7 December 2020**

1630 – 1800 hrs (IST)

1100 – 1230 hrs (WET)

*India and Portugal have a past in common and the two countries have recently rediscovered each other. The relationship between the two countries is being renewed with joy and dynamism from both sides. New products are entering both markets and new investments are being studied. Partnerships are being designed and Portuguese innovation, booming talent, and European market access are attracting India. Several reforms and policies have contributed to improve business environment and boost technological development from both sides. They cooperate towards an ambitious bilateral knowledge and innovation agenda, to harness new public-private partnerships to explore Science, Technology and Innovation collaborations and to identify market expansion opportunities for existing Indian and Portuguese stakeholders.*

*This high-level Plenary will discuss and find ways to deepen Indo-Portugal ties in multiple verticals of the knowledge economy and scale up solutions for societal challenges.*

1630- 1635 hrs (IST) 1100- 1105 hrs (WET)	<b>Opening Remarks by Moderator</b>	<b>Mr. Alok Nanda</b> Co-chairman, CII National Committee on R&D & Innovation and CTO, GE South Asia & CEO, GE India Technology Centre
1635-1655 hrs (IST) 1105- 1125 hrs (WET)	<b>Keynote speakers</b>	<b>Prof. Ashutosh Sharma</b> Secretary Department of Science and Technology  <b>Mr Eduardo Maldonado</b> President ANI, Portugal
1655- 1755 hrs (IST) 1125- 1225 hrs (WET)	<b>Indian Speakers</b>  <b>Mr. Vikram S. Kirloskar</b> Past President, CII (2019-20) & Chairman and MD, Kirloskar Systems Ltd and Vice Chairman, Toyota Kirloskar Motor  <b>Dr. Naresh Trehan</b> Chairman and Managing Director Medanta- The Medicity  <b>Dr Debashish Bhattacharjee</b> Vice President Technology & New Materials Business	<b>Portuguese Speakers</b>  <b>Miguel Belló Mora</b> CEO AIR Centre, Portugal  <b>Ricardo Conde</b> President, Portuguese Space Agency Portugal Space





Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**  **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

	Tata Steel Limited  <b>Mr. Sanjeev Arora</b> Chief Technology Officer JCB India Ltd.	
1755 – 1800 hrs (IST) 1225 – 1230 hrs (WET)	<b>Closing remarks by Moderator</b>	

**Tech Talks**

**7 December 2020**

1815 – 1845 hrs (IST)  
1245 – 1315 hrs (WET)

1815 – 1830 hrs (IST) 1245 – 1300 hrs (WET)	<b>Dr. N. Balashanmugam</b> Joint Director Central Manufacturing Technology Institute (CMTI)
1830 – 1845 hrs (IST) 1300 – 1315 hrs (WET)	<b>Mr. Madhav Venkaswamy</b> Business Development Head Valluri Technology Accelerators





Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**  **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

**Day 2**  
**PARALLEL SESSION 1 (a): WATERTECH**  
*India-Portugal: Partnership Opportunities in Water Sector*

**8 December 2020**  
1430 – 1600 hrs (IST)  
0900 – 1030 hrs (WET)

*Water is inextricably linked to the development of all societies and cultures. According to the World Resources Institute, it is estimated that 161 countries in 2040 will be in a state of water stress and Portugal is one of them.*

*Inefficient water use, growing menace of wastewater, degradation of water quality and over-exploitation of ground water leading to depletion of aquifer are some the challenges encountered by countries across the world. Climate change poses fresh challenges with its impact on the hydrologic cycle.*

*Over the years, Portugal has adopted innovative resource management solutions, promoting a circular approach, to meet some of the challenges in water sector. A change in legal framework, introduction of multi-municipal system management model (public concessions for design, construction, maintenance and operation of the systems for bulk services, including water treatment and supply to municipalities and wastewater collection and treatment) and tariff fixation based on cost recovery principle are some of the key initiatives. Similarly, with new policies India is engaged in a paradigm shift in water resource management.*

*The Session on “India-Portugal: Partnership Opportunities in Water Sector” is aimed to present Novel and Emerging technologies that are scalable & commercially viable, and discuss the best Practices pertaining to wastewater management and municipal water supply and distribution. The Session will also explore avenues for Indian and Portuguese companies to partner in providing innovative solutions towards sustainable water management, Bulk Water Treatment and Supply, and strengthening private Sector Participation in Municipal Water Supply, etc.*

1430 – 1435 hrs (IST) 0900 – 0905 hrs (WET)	<b>Opening Remarks by Moderator</b>	<b>Mr N K Ranganath</b> Past Co-Chairman CII National Committee on Water and Water Ambassador, Grundfos Pumps (I) Pvt Ltd.
1435 – 1555 hrs (IST) 0905 – 1025 hrs (WET)	<b>Indian Speakers</b>  <b>Shri Sanjay Walvekar</b> Superintending Engineer PWD, Government of Goa  <b>Mr. Vivek Verma</b> Managing Director Spray Engineering Devices Limited  <b>Mr. Ananya Singhal</b>	<b>Portuguese Speakers</b>  <b>Bernardo Taneco</b> Ecodepur





Confederation of Indian Industry  
125 Years - Since 1895



DST - CII

FCT  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

INDIA   PORTUGAL  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

	Joint Managing Director Secure Meters	
1555 – 1600 hrs (IST) 1025 – 1030 hrs (WET)	<b>Concluding Remarks by Moderator</b>	

**PARALLEL SESSION 2 (a): AGRITECH**

*Enhancing agri produce, profitability and sustainability using precision agri technologies*

**8 December 2020**

1630 – 1800 hrs (IST)

1100 – 1230 hrs (WET)

*Agriculture in India and Portugal have many common features, as majorly based on small to medium-sized family-owned dispersed units and fragmented farms.*

*Fragmentation of land leads to inefficient use of agri inputs ultimately leading to reduced output levels; high transaction cost and reduced bargaining power for the farmers. Wastage of the agricultural produce is another feature of the value chain. Minimal processing, traditional methods of processing, unskilled work force and underdeveloped infrastructure are the underlying reasons for the wastage. Moreover, increased labour cost and labour shortage have become a major concern as labour is required at different stages of the value chain right from production to marketing.*

*Efforts are being made to overcome these challenges by way of precision agriculture, better organizing the supply chain and reducing intermediation as well as vertically coordinating in the value chain by linking farmers, firms and consumers. Improvement in market information system is also identified as an important area to help the value chain players take well informed and timely decisions. Agri Startups also plays a major role in the entire value chain right from the farm till the consumer.*

*India is amongst one of the largest agriculture producers and well positioned to be the food basket of the world. The Government of India has accorded the food processing industry priority status with a three strong objective of boosting production, reducing wastage and creating the necessary enabling infrastructure.*

*Portugal produces a wide variety of products, including green vegetables, rice, corn, wheat, barley, olives, oilseeds, nuts, cherries, bilberry, table grapes and edible mushrooms. Portugal is well known for the quality of its agriculture products, mainly olive oil, wine, fruits, vegetables and many other products that are valued in international markets.*

*There are a huge untapped potentials and opportunities available between the two countries for establishing possible collaboration/tie-ups in the agri / food industry.*

*The session will look at synergies in agriculture value chain in the two countries through a holistic lens of strong input infrastructure and efficient cold chain, storage & logistics support to identify areas for partnerships towards greater value creation. The session will also highlight the technological advancements in Agri / Food Processing in the two countries and how precision agriculture & smart farming methods can make the produce more profitable and sustainable.*





Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**  **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

1630 – 1635 hrs (IST) 1100 – 1105 hrs (WET)	Opening Remarks by Moderator	<b>Mr Rohtash Mal</b> Co-Chairman, CII Task Force on Agri Startups and CMD, EM3 Agri Services Pvt Ltd.
1635 – 1755 hrs (IST) 1105 – 1225 hrs (WET)	<p><b>Indian speakers</b></p> <p><b>Mr Ramesh Ramachandran</b> Senior Vice President – Strategy and Farming as a Service, Mahindra and Mahindra Ltd</p> <p><b>Mr Piruz Khambatta</b> Chairman, CII Task Force on Ease of Doing Business &amp; Chairman &amp; Managing Director, Rasna Private Limited</p> <p><b>Mr Pankaj Mehta</b> Managing Director Carrier Transicold India &amp; South Asia</p> <p><b>Dr. Arvind Kapur</b> Managing Director AcSen HyVeg Pvt Ltd.</p> <p><b>Mr. Chandrakant Pradhan</b> Lead – Climate Change Resilience CII Foundation</p>	<p><b>Portuguese speakers</b></p> <p><b>Prof Suzana Ferreira-Dias</b> Associate Professor School of Agriculture - University of Lisbon</p>
1755 – 1800 hrs (IST) 1225 – 1230 hrs (WET)	Concluding Remarks by Moderator	

**PARELLEL SESSION 1 (b): HEALTHTECH**  
*India: Portugal: Driving Innovations in healthcare technologies*  
**8 December 2020**  
1430 – 1600 hrs (IST)  
0900 – 1030 hrs (WET)

*The unprecedented covid crisis has unfolded some the best medical advancements and innovations unlike any in history. In the past few months, the world has seen healthcare innovation accelerate at a tremendous rate across all areas such as drug discovery, vaccines, medical devices, digital technologies. Newer technologies like artificial intelligence, VR/AR, 3D-printing, robotics or nanotechnology are now redefining the healthcare landscape. The wave of innovation being driven by these new age healthcare technologies is transforming the conventional healthcare system into an efficient digital, sustainable healthcare system. The healthcare sector therefore sees immense opportunities with the innovations and healthcare collaborations*





Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**   **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

*happening across the globe. The session would highlight some of the best healthcare innovations and breakthrough medical technologies in both the countries, and how these medical innovations can be harnessed for better preparedness to face pandemics such as Covid 19.*

1430 – 1435 hrs (IST) 0900 – 0905 hrs (WET)	Opening Remarks by Moderator and Theme Address	<b>Mr Ravi Kaushik</b> CEO Transasia Bio-Medicals Ltd
1435 – 1450 hrs (IST) 0905 – 0920 hrs (WET)	Keynote speakers	<b>Dr. Renu Swarup</b> Secretary Department of Biotechnology Government of India
1450 – 1555 hrs (IST) 0920 – 1025 hrs (WET)	<b>Indian Speakers</b>  <b>Mr Ganesh Sabat</b> CEO Sahajanand Medical Technologies (Pvt) Ltd  <b>Mr Vishwprasad Alva</b> Managing Director Skanray Technologies Pvt Ltd  <b>Dr Jitendra Sharma</b> Managing Director and Chief Executive Officer, AMTZ  <b>Dr Kiran Aatre</b> Senior Manager – New Business Development Applied Materials India  <b>Dr. Talita Marzon (Brazil)</b> Renato Archer Information Technology Center	<b>Portuguese Speakers</b>  <b>Mónica Dias</b> Researcher IGC , Portugal  <b>Filipa Fixe</b> Glintt
1555 – 1600 hrs (IST) 1025 – 1030 hrs (WET)	Concluding Remarks by Moderator	



DST - CII  
**INDIA**   **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

**PARELLEL SESSION 2(b): CLEANTECH**  
(Climate Change, Clean energy and Green mobility)

**8 December 2020**

1630 – 1800 hrs (IST)

1100 – 1230 hrs (WET)

Cleantech or Clean technology is need of the hour as every industrial sector is working towards reducing their environment footprints in different ways. Cleantech helps in reducing negative environmental impacts through significant energy efficiency improvements in the sustainable use of resources, or environmental protection activities. Cleantech can be used in fighting climate change, pollution control and reduction, and water and waste management. The session on Cleantech at the Technology Summit will focus on three major areas; Climate Change, Clean Energy and Green Mobility. The session brings together experts from India and Portugal to deliberate on their country expertise in these areas and explore opportunities for future collaboration.

With environmental concerns rising and sustainability becoming the touchstone, efforts to meet clean energy goals need to be scaled up. Carbon-intensive economic development is no longer an option, meaning that clean and renewable sources must be placed at the center of the energy policy. This is reflected in Sustainable Development Goal (SDG) 7: “Access to affordable and energy for all”. India is increasingly adopting responsible renewable energy techniques and taking positive steps towards reducing carbon emissions, cleaning the air and ensuring a more sustainable future. On the other hand, Portugal derives 51% of its energy from renewable and sustainable sources like- sun, wind etc. Portugal aims renewable energy to cover 80% of country’s electricity needs by 2030. On Green Mobility, both countries are striving to make efforts and developing systems towards sustainable transport systems; including electric vehicles and technologies around fuel efficiency and emissions.

1630 – 1635 hrs (IST) 1100 – 1105 hrs (WET)	<b>Opening Remarks by Moderator</b>	<b>Dr. Anuradda Ganesh</b> Chief Technical Advisor and Director Cummins Technologies India
1635 – 1755 hrs (IST) 1115 – 1225 hrs (WET)	<b>Indian speakers</b>  <b>Mr. Chintan Shah</b> Director IREDA-Indian Renewable Energy Development Agency Limited  <b>Mr. Venkatesh Valluri</b> Founder and Chairman, Valluri Technology Accelerators and Valluri Change Foundation  <b>Ms. Ritu Lal</b> VP - Business Development Amplus Solar	<b>Portuguese speakers</b>  <b>José Miguel Costa</b> Head of Positive Energy Communities EDP  <b>Marco Alves</b> Wavec
1755 – 1800 hrs (IST) 1225 – 1230 hrs (WET)	<b>Concluding Remarks by Moderator</b>	



Confederation of Indian Industry  
125 Years - Since 1895



सत्यमेव जयते  
EMBASSY OF INDIA  
LISBON

**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII

INDIA  PORTUGAL 

# TECHNOLOGY

7-9 December 2020 **SUMMIT**

**Tech Talks/ Business Presentations**

**8 December 2020**

1815 – 1845 hrs (IST)

1245 – 1315 hrs (WET)

<p>1815 – 1830 hrs (IST) 1245 – 1300 hrs (WET)</p>	<p><b>Mr. Tito Kishan</b> Founder &amp; CEO Proinn Consultancy</p> <p><i>Topic: Innovate fast with inventions using structured innovation methods</i></p>
<p>1830 – 1845 hrs (IST) 1300 – 1315 hrs (WET)</p>	<p><b>Prof. Suman Chakraborty</b> Dean, Sponsored Research and Industrial Consultancy Indian Institute of Technology Kharagpur</p>





Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**  **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

**Day 3**

**PARALLEL SESSION 3 (a): CLEANTECH**

**Sustainable Construction Technologies- Elevating India's Construction Ecosystem**

**9 December 2020**

1430 – 1600 hrs (IST)

0900 – 1030 hrs (WET)

Due to rapid urbanization in the country, the energy consumption is more than 60% in residential real estate projects. Herein lies the answer to India's need for sustainable real estate sector, 'Green Buildings'. Green technology makes buildings more energy-efficient and sustainable, and thus has a lower carbon footprint and a reduced impact on the environment. Green building materials & technologies are reshaping the industry and becoming a fundamental part of new building designs.

*Atmanirbhar Bharat* (Self-reliant India) is the vision of the Prime Minister of India of making India a self-reliant nation, based on the foundation of five pillars comprising economy, infrastructure, system (technology driven arrangements), vibrant demography and demand. Government of India has also recently highlighted that the period

2019-2020, will be observed as the Construction Technology Year, which will help elevate India's construction ecosystem to international standards. IGBC Green Cities & Green Building rating systems encourage green materials, products and technologies that are sustainable and innovative at the same time. More than 6,050 projects covering offices, IT parks, large campuses, metro stations & infrastructure projects are going green with CII-Indian Green Building Council (IGBC).

1430 – 1435 hrs (IST) 0900 – 0905 hrs (WET)	<b>Opening Remarks by Moderator</b>	<b>Mr V Suresh</b> Chairman, CII-IGBC Former CMD – HUDCO
1435 – 1445 hrs (IST) 0905 – 0915 hrs (WET)	<b>Keynote speaker</b>	<b>Shri Durga Shanker Mishra</b> Secretary Ministry of Housing and Urban Affairs Government of India
1445 – 1555 hrs (IST) 0915 – 1025 hrs (WET)	<b>Indian Speakers</b>  <b>Mr. Ashish Rakheja</b> Managing Partner AEON Integrated Building Design Consultants  <b>Mr. Rohit Mansukhani</b> Director – Digital Solutions Johnson Controls  <b>Mr N Muthusezhiyan</b> Principal Counsellor CII	<b>Portugal Speakers</b>  <b>Paulo Ferrão</b> Professor Instituto Superior Técnico University of Lisbon
1555 – 1600 hrs (IST) 1025 – 1030 hrs (WET)	<b>Concluding Remarks by Moderator</b>	



DST - CII  
INDIA   PORTUGAL  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

**PARALLEL SESSION 4 (a): INNOVATION AND START-UP  
ECOSYSTEM**

*India and Portugal: Potential Markets for Startups*  
9 December 2020  
1630 – 1740 hrs (IST)  
1100 – 1210 hrs (WET)

*Start-ups are the indicators of innovation capabilities of the citizens thus measuring the competitiveness of a nation as a whole. Majority of the start-ups devoted to developing novel product offering or service delivery design directly contribute to building the knowledge economy. While scripting the saga of a vibrant economic growth, they are the new avenues today for creating a great deal of wealth and simultaneously for generating a sizeable employment in the quickest possible manner. Success of start-ups depends on an innovative ecosystem comprising incubators with the availability of appropriate technology and hardware systems, effective mentoring, access to easy finance, assistance in the marketing of products and services etc.*

*The Session will cover the strengths of the India and Portugal and how they are have worked best to bring the best ecosystem for Startups. There are strong complementarities between India and Portugal in the start-up sector. Portugal has one of the highest rates of business creation in Europe and has emerged as one of the most vibrant European eco-systems for entrepreneurship. The Session will discuss the ways to bring the Indian and Portuguese startup ecosystems closer and to facilitate joint innovation between the two economies.*

*The session will also facilitate the winners of CII Industrial Innovation Awards 2020.*

1630 – 1640 hrs (IST) 1100 – 1110 hrs (WET)	Opening Address	<b>Mr Kris Gopalakrishnan</b> Past President, CII & Chairman, CII National Startup Council
1640- 1650 hrs (IST) 1110- 1120 hrs (WET)	Address	<b>Prof. BB Ahuja</b> Director College of Engineering, Pune
1650 – 1705 hrs (IST) 1120 – 1135 hrs (WET)	Keynote address	<b>Prof. Ashutosh Sharma</b> Secretary Department of Science and Technology (DST) Government of India
1705 – 1735 hrs (IST) 1135 – 1205 hrs (WET)	CII Industrial Innovation Awards Ceremony	<b>Prof. Ashutosh Sharma</b> Secretary Department of Science and Technology (DST) Government of India & <b>Mr. Kris Gopalakrishnan</b> Past President, CII & Chairman, CII National Startup Council
1735– 1740 hrs (IST) 1205 – 1210 hrs (WET)	<b>Closing remarks by Moderator</b>	

DST - CII  
INDIA   PORTUGAL  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

**PARALLEL SESSION 3 (b): IT, ICT & Advanced technologies**

*Unleashing the potential of Digital Technologies: Reviving the Indian growth story*

9 December 2020

1430 – 1600 hrs (IST)

0900 – 1030 hrs (WET)

Amid this global pandemic, we are reflecting in real-time on how systems undergo a large-scale transformation - how governments, businesses, schools, cities, and communities adapt and make fundamental changes to existing ways of working using different technologies available. Technologies help society and economy to cope with adverse social and economic impacts, provide opportunities for innovation, and enhance resilience.

In combating the adverse effects of COVID-19 and enhancing societal and economic resilience, digital technology and connectivity have emerged as an essential tool and alternative to the physical equivalent. During the global pandemic, digital technologies have become a critical enabler of connectivity facilitating the continuity of our regular lives and connecting people more than ever before.

Today with digitization catching up in all the segments of the industry, the digital infrastructure, IOT, Cloud, Data Science, Emerging Technology, 5G, Networking, security, surveillance and Data storage have become the areas of utmost importance offering enormous opportunities and solutions. In pandemic, the need to access a reliable digital infrastructure has become increasingly important, and certain aspects of ICTs are critical in a period of isolation, such as increased ICT opportunities from telework, telemedicine, food delivery and logistics, online and contactless payments, remote learning and entertainment.

The objective of this session is to bring together policy makers and industry players on common platform and deliberate on how economy can be fully ICT-enabled further with right digital skills to work productively and collaboratively.

1430 – 1435 hrs (IST) 0900 – 0905 hrs (WET)	<b>Opening Remarks by Moderator</b>	<b>Mr Manish Kumar Sinha</b> Chief Marketing Officer Sterlite Technologies Limited
1435 – 1555 hrs (IST) 0905 – 1025 hrs (WET)	<b>Indian Speakers</b>  <b>Prof. B.S. Murty</b> Director IIT Hyderabad  <b>Mr. Ravi Madipadaga</b> Head, Technology - India Siemens Technology and Services Private Limited  <b>Mr Amit Sinha Roy</b>	<b>Portuguese Speakers</b>  <b>Mr. Rodrigo Maia</b> Chief Technology Officer Altran



Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**  **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

	<p>VP – Global Head Marketing and Communications TATA Communications</p> <p><b>Mr Ganesh Suryanarayanan</b> Co-Founder and CTO Myelin Foundry</p> <p><b>Mr. Mahesh Uppal</b> Director Comfirst Private Ltd.</p> <p><b>Dr. Alexandre R. Paschoal (Brazil)</b></p>	
1555 – 1600 hrs (IST) 1025 – 1030 hrs (WET)	<b>Closing remarks by Moderator</b>	

**PARALLEL SESSION 4 (b): SPACE OCEAN INTERACTIONS**

9 December 2020  
1630 – 1800 hrs (IST)  
1100 – 1230 hrs (WET)

Satellites provide a global, long-term view of the oceans from space and greatly improve our understanding of ocean processes. Earth observation satellites are useful tools that enable extensive, detailed and regular surveying of wide areas of ocean.

Space-based technologies are an invaluable tool for ocean monitoring, with great potential to contribute to sustainable policy- and decision-making. The session would focus on space-based technologies that are used for monitoring of different aspects of the marine domain, illustrating the wide range of available relevant applications such as ocean pollution, fisheries protection, maritime security, coastal erosion, sea level rise, etc. Access to and adoption of such technologies are at the forefront of the quest towards the achievement of sustainable development globally and can contribute the fulfilment of many societal needs.

1630 – 1635 hrs (IST) 1100 – 1105 hrs (WET)	<b>Opening Remarks by Moderator</b>	<b>Mr. Vinod S Chippalkatti</b> Vice President, Strategic Electronics Business Unit (SEBU) Centum Electronics Ltd.
1635 – 1755 hrs (IST) 1105 – 1225 hrs (WET)	<b>Indian speakers</b> <b>Dr. Tune Usha</b> Scientist-G National Centre for Coastal Research (NCCR)	<b>Portuguese Speakers</b> <b>Emir Sirage</b> Director Operations (coo) Air centre - atlantic international research centre





Confederation of Indian Industry  
125 Years - Since 1895



**FCT**  
Fundação  
para a Ciência  
e a Tecnologia



REPÚBLICA  
PORTUGUESA  
CIÊNCIA, TECNOLOGIA  
E ENSINO SUPERIOR

DST - CII  
**INDIA**  **PORTUGAL**  
**TECHNOLOGY**  
7-9 December 2020 **SUMMIT**

	Ministry of Earth Sciences Government of India  <b>Dr Rashmi Sharma</b> Space Application Center Ahmedabad	
1755 – 1800 hrs (IST) 1225 – 1230 hrs (WET)	<b>Closing remarks by Moderator</b>	

**CLOSING PLENARY SESSION**

**9 December 2020**  
1815 – 1905 hrs (IST)  
1245 - 1335 hrs (WET)

1815 - 1820 hrs (IST) 1245 - 1250 hrs (WET)	Welcome Remarks	<b>Mr. Sanjeev K Varshney</b> Head, International Cooperation Department of Science & Technology Government of India
1820 - 1825 hrs (IST) 1250 - 1255 hrs (WET)	Address	<b>Mr. Alok Nanda</b> Co-chairman, CII National Committee on R&D & Innovation and CTO, GE South Asia & CEO, GE India Technology Centre
1825- 1830 hrs (IST) 1255- 1300 hrs (WET)	Address	<b>Prof. José Paulo Esperança</b> Vice President FCT
1830- 1840 hrs (IST) 1300- 1310 hrs (WET)	Address	<b>Prof. Ashutosh Sharma</b> Secretary Department of Science and Technology (DST) Government of India
1840– 1850 hrs (IST) 1310- 1320 hrs (WET)	Address	<b>H.E. Mrs. K. Nandini Singla</b> Ambassador of India to Portugal
1850 – 1900 hrs (IST) 1320- 1330 hrs (WET)	Address	<b>H.E. Mr. Carlos Pereira Marques</b> Ambassador of Portugal to India
1900 – 1905 hrs (IST) 1330- 1335 hrs (WET)	Closing Remarks	<b>Dr. Jyoti Sharma</b> Scientist E, International Cooperation Department of Science & Technology Government of India

