



PROUD
LEGACY
PROMISING **FUTURE**

ಬೆಂಗಳೂರು ಟೆಕ್ ಸಮ್ಮಿಣಣ್ 2022

DEPARTMENT OF ELECTRONICS, INFORMATION TECHNOLOGY,
BIOTECHNOLOGY AND SCIENCE & TECHNOLOGY

Journey of Bengaluru Tech Summit

With the vision to position and promote Bangalore as the IT destination globally and to nurture the IT ecosystem within the state, the first Bangalore IT.com event was held at ITPL, India's first integrated tech park in 1998, under the aegis of Department IT, Bt and S&T, Government of Karnataka supported by STPI. The second edition was thus held at Electronic city, another major upcoming cluster for the IT Industry. At the beginning of the new millennium the event moved to the iconic Bangalore Palace venue. The event emerged as a goto place for the entire IT fraternity as well as IT enthusiasts and students. In the Later

years the event went through many Avatars, was held at various locations to meet the changing expectations of the stakeholders.

Similarly, in the year 2001 Bangalore Bio event was started with a vision to showcase India's capabilities in Biotechnology and to position Karnataka as an important R&D and manufacturing hub for this emerging sector. This event also kept pace with the times through many avatars incorporating emerging streams of biotech viz, Biopharma, Agribiotech, Bio Services, Med tech and so on.



2000
Bangalore IT.com
moves to



BANGALORE BIO 2001
APRIL 22 - 24
India's Biggest Biotech Show

1st Edition of
Bangalore Bio



2020
BTS goes
Virtual



In 2017, in a visionary step both these events were brought under one platform, Bengaluru Tech Summit (BTS), thus making it the only Interdisciplinary platform for diverse technologies to be showcased to the world, positioning Bengaluru as the global tech hub.

In its journey towards the 25th edition this tech event faced many challenges, the biggest adversity being pandemic when the world came to stand still, yet BTS continued its journey in Phygital format and emerged much stronger with wider reach and larger appeal. The three Vision Groups constituted by Government of Karnataka on IT, Biotech and Startups consisting of Industry Captains, Research Head, Investors and Policy makers have played a crucial role in the journey of this event, keeping pace with the times and its success.





TECHFORNEXGEN

ASSOCIATION PARTNERS



GLOBAL INNOVATION ALLIANCE PARTNERS



Event Partner



» TEAM BEHIND BENGALURU TECH SUMMIT



Dr. E. V. Ramana Reddy, IAS
Additional Chief Secretary, Department of Electronics, IT, Bt, Science & Technology; Department of Commerce & Industries, Government of Karnataka



Smt. Meena Nagaraj, IAS
Director, Dept. of Electronics, IT & Bt, Managing Director, Karnataka Innovation and Technology Society (KITS), Government of Karnataka

Bengaluru has been identified as the world's fastest growing tech hub, surpassing leading technology hubs such as London, Munich, Berlin and Paris. Bengaluru has also been recognized as one of the Top 5 cities in the World for Artificial Intelligence. This speaks volumes of Karnataka's leadership at a national, and at a global level.

The 25th edition of Bengaluru Tech Summit surpassed our expectations by leaps and bounds. BTS 2022 brought together global technology leaders, founders and technology heads, prominent government officials, academia, and other industry leaders under the same roof to interact, engage and collaborate.

Our Global Innovation Alliance is a unique initiative where the Government of Karnataka has deep engagements with leading technology hubs in innovation and technology. We had participation from 25+ countries, including 300+international delegates who travelled from all around the world to participate in BTS 2022. This truly shows that BTS is recognized as a global platform for innovation and collaboration.

BTS 2022 was a celebration of icons from global and Indian companies that have contributed to Karnataka's growth story. BTS continues to live up to the spirit of synergy between Government, Industry and Academia.

Bengaluru achieved the status of IT capital of India or the Silicon Valley of India because of our forward-looking policies, strategies and initiatives that we have been able to achieve and secure this title for many years.

Bengaluru Tech Summit 2022 was a grand success that witnessed participation from industry, academia and policymakers, who came together to inspire, collaborate and fuel the next wave of transformative technologies.

BTS 2022 displayed a wide range of innovations across the rapidly evolving tech landscape, which was at the heart of the theme for this year - 'Tech4NexGen'. The Summit provided all attendees - from innovators to MNCs, exposure to new markets, opportunities for growth, and opportunities for collaborations.

We heard from a wide range of expert speakers from across the globe. We had a range of sessions addressing important topics for today's techade - from 5G and Hybrid Cloud to ESG and Ethical aspects of technology to Genomics Revolution 2.0.

» TEAM BEHIND BENGALURU TECH SUMMIT



Dr. Kiran Mazumdar Shaw
Chairperson, Vision Group on Bt, Govt. of Karnataka



Kris Gopalakrishnan
Chairperson, Vision Group on IT, Govt. of Karnataka



Prashanth Prakash
Chairperson, Vision Group on Startups, Govt. of Karnataka



B.V Naidu
Chairman, Karnataka Digital Economy Mission, Govt. of Karnataka



Shri Shailendra Kumar Tyagi
Director, STPI, Bengaluru



Jitendra Chaddah
VP, Country Head India, Global Foundries



Dr. Vijay Chandru
Co-Founder & Director, Strand Life Sciences



K.S. Viswanathan
Vice President (Industry Initiatives)



G. S. Krishnan
President, Association for Biotech-Led Enterprises (ABLE), Bengaluru



Biren Ghose
President, ABAI

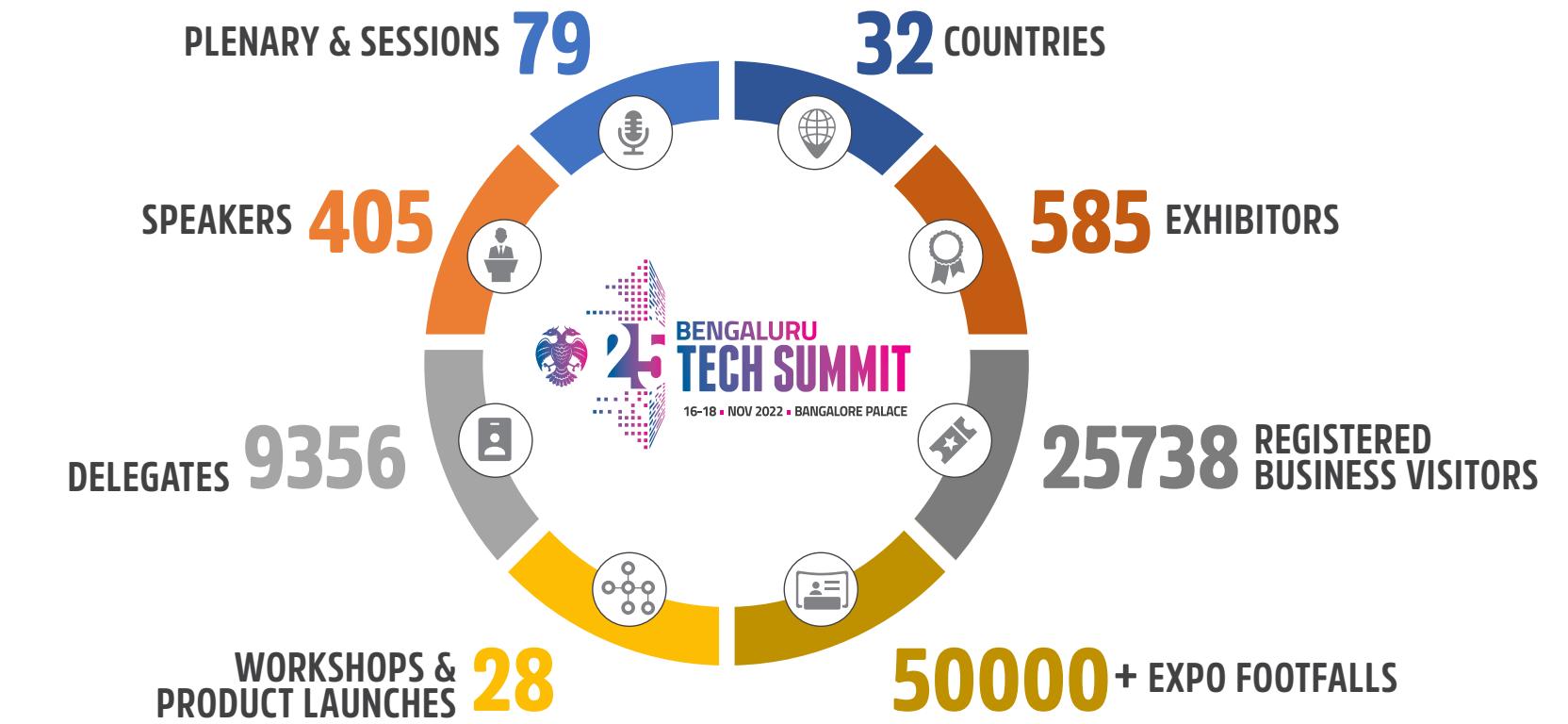


K. Krishna Moorthy
CEO & President, IESA



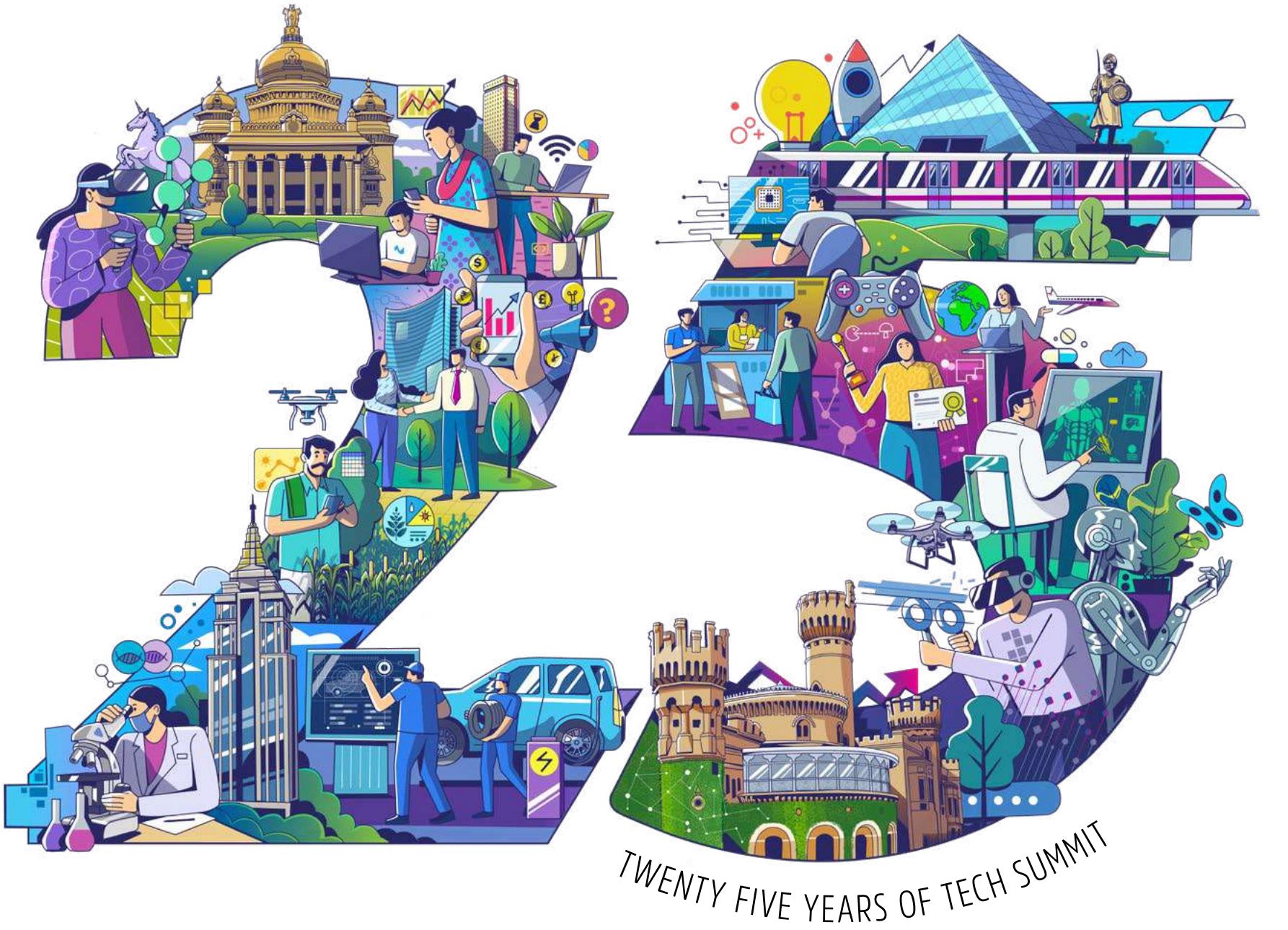
Jagdish Patankar
Executive Chairman, MM Activ - Event Partner

BTS2022 - Overall Participation



Global Innovation Alliance Partners (GIA) Participation





This is an artistic impression of Bengaluru's Tech Ecosystem and various facets of the 25th edition of Bengaluru Tech Summit.



National and International Dignitaries at BTS



Shri M Venkaiah Naidu
Hon'ble Vice President of India



Shri. Narendra Modi
Hon'ble Prime Minister of India



H.E. Mr. Scott Morrison
Hon'ble Prime Minister
Australia



H.E. Mr. Guy Parmelin
Hon'ble Vice President of
the Swiss Confederation



Shri Naftali Bennett
Hon'ble Prime Minister, Israel



H.E. Mr. Petri Honkonen
Minister of Science and Culture,
Finland



H.E. Mr. Omar Bin Sultan Al Olama
Minister of State for Artificial Intelligence,
Digital Economy and Remote
Work Applications, UAE



H.E. Mr. Tim Watts
Assistant Minister for Foreign Affairs,
Australia



Prof. Klaus Schwab
Founder and Chairman,
World Economic Forum



Shri Martin Schroeter
Chairman and CEO,
Kyndryl



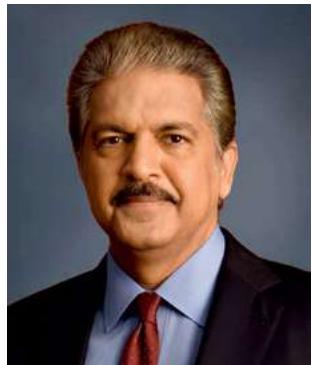
Shri. Ravi Shankar Prasad
Hon'ble Minister for Communications,
Electronics & IT and Law &
Justice, Government of India



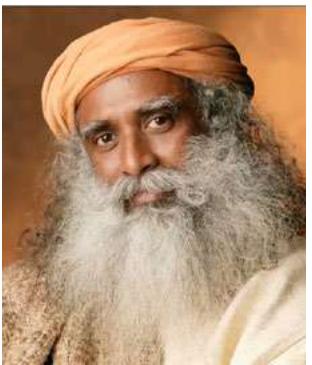
Shri Rajeev Chandrasekhar
Hon'ble Minister of State for Elec-
tronics and Information Technology,
Skill Development and
Entrepreneurship
Government of India



Shri. Piyush Goyal
Hon'ble Minister of Textiles,
Commerce and Industry, Consumer
Affairs and Food and Public
Distribution
Government of India



Shri. Anand Mahindra
Chairman
Mahindra Group



Sadhguru
Founder
Isha Foundation







DECLARATION

KARNATAKA RESEARCH, DEVELOPMENT AND INNOVATION POLICY

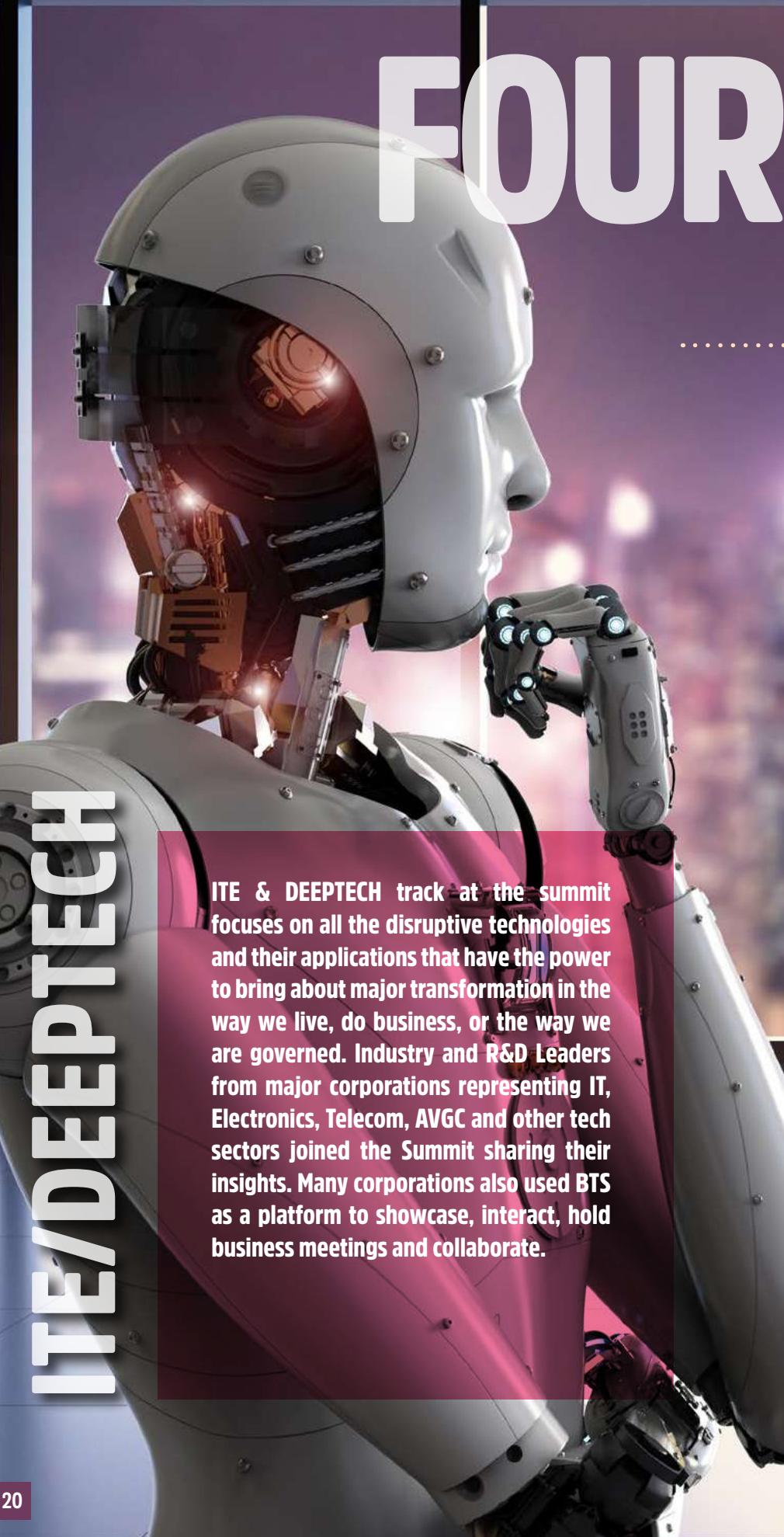
Research is the key driver of innovation and discoveries that transform our economy, build new industries, increase productivity and enhance competitiveness in the global knowledge economy. The current COVID-19 crisis highlights the fact that we need to put more emphasis on research and innovation than ever before. Investing in research and innovation generates new knowledge, technologies and jobs that power a vibrant economy and improves peoples' lives and opportunities. A research and innovation system is a complex set of relationships among stakeholders, including enterprises, universities, research institutes, intermediaries and governments. The interdependence of various components of the research and innovation system needs every subsystem to work at a reasonable level of efficiency and effectiveness, and since innovation is largely co-produced, the links among the components also need to function well. Hence, a policy mix needs to be designed to achieve this and ensure balance among the different components.

Key components of the Karnataka Research, Development and Innovation Policy:

1. Strengthening the governance and financial outlay of the research and innovation system
2. Strengthening the capacity for research and innovation
3. Research and innovation to drive the regional ecosystem
4. R&D and innovation to support entrepreneurship and MSMEs
5. Promoting R&D and innovation in priority sectors for societal transformations



ITE/DEEPTech



FOUR PILLARS

BIOTECH

ITE & DEEPTech track at the summit focuses on all the disruptive technologies and their applications that have the power to bring about major transformation in the way we live, do business, or the way we are governed. Industry and R&D Leaders from major corporations representing IT, Electronics, Telecom, AVGC and other tech sectors joined the Summit sharing their insights. Many corporations also used BTS as a platform to showcase, interact, hold business meetings and collaborate.

IndiaBio@BTS is a platform that attracted best minds from Industry and R&D Institutes from India and overseas to deliberate on the fascinating field of Biotechnology. They delved deep into various aspects of Manufacturing, Pandemic preparedness, SmartSupply Chains, Agribiotech, Bioenergy, Synthetic Biology, Big data & Drug Discovery and so on. The big corporations, CROs, MedTech companies as well as start-ups and young researchers used the forum effectively for interactions and collaborations.

START-UP

Indian start-up ecosystem has grown rapidly generating innovative disruptive products, technologies and services. Bengaluru as well as Tier 2 & 3 cities have been leading the startup movement across IT, E-Commerce, Edutech, Healthtech, Agritech, EV & Mobility, e-Gov, Fintech, AI & ML, Blockchain and so on. BTS is platform for the entire startup ecosystem of India including startups, incubators, accelerators, investors, to participate, deliberate, meet, interact, showcase, attract investments and do business. Even GIA partners have used this forum for potential partnerships.

GLOBAL INNOVATION ALLIANCE

The Global Innovation Alliance program is an initiative launched by the Government of Karnataka, with an aim to create a platform for collaboration on innovation, with leading technology hubs across the world. Karnataka has deep partnerships with 30+ countries with focus on technology sharing, cooperation on skilling, trade promotion, startup/ soft landing and more. GIA partners leveraged BTS forum through conference, exhibition and structured meetings.



KNOWLEDGE & NETWORK, BUSINESS AND CELEBRATIONS

The silver jubilee edition of the Bengaluru Tech Summit emerged yet again as a thought leadership forum, a marketplace for new, innovative technologies & products, a place for inspiring & identifying brilliant youngsters and recognising as well as celebrating success. The Conference with its live panel discussions, fireside chats, keynotes & presentations by domain experts, the Exhibition which facilitated business & showcase of products & services, The Mega STARTUP ZONE of diverse sectors and programs such as Felicitation of top corporates, STPI IT Export Awards and Bengaluru Impact Awards helped achieve the core objectives of delivering value to all the participants including national and International delegates, Exhibitors, Business Visitors and all other stakeholders of BTS 2022.



Event Spectrum

- Multi-Track Conference
- International Exhibition
- Global Innovation Alliance
- India USA - Tech Conclave
- R&D - Lab2Market
- IT and Biotech Awards
- Unicorns Felicitation
- Quiz Competitions
- Bio Posters
- B2B Meetings

CONVERGENCE OF TECHNOLOGICAL REVOLUTION FOR ADVANCING INDIA'S GROWTH TRAJECTORY

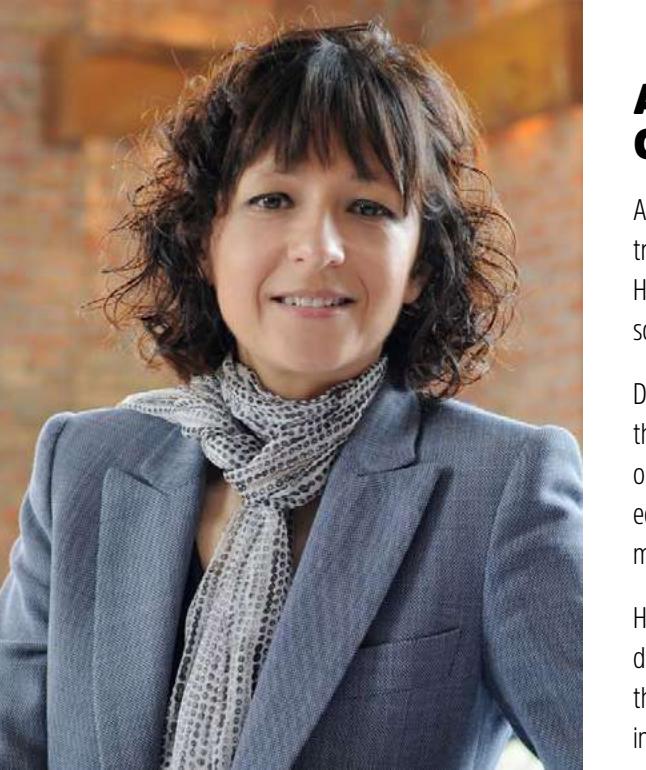
The R&D ecosystem in India is emerging with a good percentage of graduates from science, technology, engineering, and mathematics programmes. India's stands 7th for the Patents granted in 2020 in the field of Science, Technology, and Innovation (STI). Convergence of Technological Revolution such as quantum frontiers; advanced communication technologies; digital transformation viz., AI & ML, IoT, cyber security, cloud computing, big data analytics, digital twin, robotics automation, enterprise resource planning; clean energy revolution; one health mission, are fuelling the progress of India. India has emerged as the 3rd largest ecosystem for start-ups globally. With over 77,000 in the country as of August 2022, there are over 3000 startups in India focusing on Deep tech such as IoT, AI, Big Data & Analytics and Blockchain.

With the launch of Bengaluru Science & Technology Cluster (BeST), the region is positioned as the global innovation powerhouse focusing on Health & Wellness; Urban life and Futuristic technologies and solutions. This cluster envisions of setting up a collaborative ecosystem of scientists, engineers, social scientists and entrepreneurs working in academia, government labs and industry, to identify and collaborate towards solutions of some socially relevant problems.



Prof. Ajay K Sood

Principal Scientific Advisor, Government of India



Dr. Emmanuelle Charpentier

Nobel Laureate in Chemistry 2020 and Scientific and Managing Director of the Max Planck Unit for the Science of Pathogens in Berlin

A RESEARCH JOURNEY TOWARDS THE CRISPR-CAS GENOME ENGINEERING TECHNOLOGY

As a young woman scientist having done exceptional research in France, USA and Germany, Dr. Charpentier has translated the work at the bench to valuable IP and commercial success with ERS Genomics and CRISPR Therapeutics. Her talk on the research journey towards CRISPR-Cas genome engineering technology is an inspiration to all young scientists and bioengineers.

Dr. Charpentier shared the discoveries in microbiology of the palindromic patterns of CRISPR in nucleic material that gave bacteria the protection from virus attacks and the patterns that left imprints in other organisms. These observations along with the cleavage efficiencies of enzymes like Cas9, 12 and 13 led to the discoveries that gene editing (cut and paste) as well as detection of nucleic patterns in cells could be engineered which also works in microbes, crop plants, livestock and humans.

Hence it goes beyond medicine into food systems and planet care - a one health solution - one of the greatest discoveries since Darwin. As mentioned by Sri Atal Bihari Vajpayeeji, "If IT describes India of Today, then BT would be the Bharat of Tomorrow." To build India's Bioeconomy from its 100B base to 500B target as set by our biotechnology industry leadership, the coming together of Synthetic Biology, Genome Engineering and AI has to play a significant role.

This plenary lecture by Nobel Laureate Dr. Emmanuelle Charpentier has set the pace and was a perfect start to Tech4NexGen.



Rajeev Chandrasekhar

Hon'ble Minister of State for Skill Development and Entrepreneurship & Electronics and IT, Govt of India

INDIA'S ROLE IN ELECTRONICS & SEMICONDUCTOR MANUFACTURING - DRIVING TOWARDS \$5TN OPPORTUNITY

Mr. Rajeev Chandrasekhar said that Bengaluru has secured the title of being the largest ecosystem for innovation and the preferred destination for investments in India. He congratulated the Government of Karnataka in celebrating the silver jubilee of BTS and, in positioning Bengaluru Tech Summit as Asia's largest technology summit.

As various countries are grappling with Covid-19, he said that India has emerged as the fastest growing economy of the world. 66% of the FDI in electronics manufacturing has come to India in the last 3 years. This shows that more countries and companies are looking at India as a trusted partner in manufacturing and design of electronics production.

In 2014 - India heavily depended on imports, 92% of mobile devices consumed in India were imported, production of electronics from India was US\$ 10-12 billion. In 2022 - 97% of mobile devices consumed in India are domestically manufactured, exports are over INR 70,000 crores. Presently, the Indian Electronics Industry is worth US\$ 75 billion.

Government of India (GoI) has committed an investment of US\$ 30 billion in electronics and semiconductors. In semiconductors, GoI is taking a comprehensive approach in growing the overall ecosystem with a focus on 4 key pillars- Manufacturing, Packaging, Design & innovation and Talent.

Some of the initiatives at a GoI level include: India Semiconductor Mission, Government of India 1,000 crore capital fund for semiconductor startups and the design of blue print for semiconductor related research, design and manufacturing capabilities. He further mentioned that GoI is prepared to invest 10,000 crores in Semiconductor research.

Hon'ble Prime Minister of India, Shri Narendra Modiji has given a target to reach US\$ 300 billion by 2025 in semiconductor and manufacturing, which is 26x increase in just a decade. GoI is working in partnership with various State governments to achieve this target.



Shri Piyush Goyal

Hon'ble Minister of Commerce & Industry, Consumer Affairs & Food & Public Distribution and Textiles, Govt. of India

KARNATAKA IS THE FLAG BEARER OF INDIA OF TOMORROW

Shri Piyush Goyal, Minister of Commerce & Industry, Consumer Affairs & Food & Public Distribution and Textiles, Government of India spoke at the closing ceremony and felicitated winners at the Bengaluru Impact Awards, Unicorns felicitation and Smart Bio awards.

He said that he was delighted to be part of Bengaluru Tech Summit, an institution that has stood the test of time. He expressed deep appreciation to all individuals who have been part of the Summit's 25 year journey, who have brought talent, technology, innovation to the city, and who have helped make Bengaluru, the Silicon Valley of the East.

He congratulated all the award winners in the different categories who are recognised for their contribution to Bengaluru, to Karnataka and our Bharat. He was appreciative of the expansive ecosystem of private equity investors, venture capitalists, R&D centres, high quality of talent & skills.

Startups today are almost playing the role of booster doses in the global post pandemic recovery, and India is leading from the front, despite the geopolitical challenges. Over 40 out of 100 unicorns are housed in Bengaluru, 3 out of 4 Decacorns are from Bengaluru too.

The Indian economy is one of the fastest growing economies in the world, and will continue to power the world's recovery and economic growth, as we move towards India at 100, when we are celebrating a hundred years of Independence in India.

Bengaluru, and other regions of Karnataka are flag bearers of India of tomorrow. Bengaluru, the Garden City of India, has today gained recognition all over the world over as a global IT capital.



S. Somanath
Chairman, ISRO

INSIGHTS ON TRANSFORMATION & GROWTH OF BENGALURU AS THE TECH HUB OF INDIA

Bengaluru has 30000 IT companies and this year it is expected to export \$75B to \$80B of software services. The semiconductor chips industry is \$600Bn market globally with US investing about \$56Bn. Global power today is with technology which is the next wave in geopolitics followed by global finance and climate change. Bengaluru has more human capital than Silicon valley. India is expected to have the largest human capital in the world by 2025. Internet is a major breakthrough and one of the impact of the Internet on the world is emergence of new business models of governance. There are five trends changing the world: ageing society; technology connecting the world through humanoids, robots & AI and biotech; geopolitical network; global finance; climate change.

Innovation is the key to digital transformation and to enhance this further, India needs 10000 PhDs in computer science. Bangalore has to be the global leader in innovation. For that it needs more R&D institutions, create collaborative networks with other cities, encourage people working in different areas to interact, bring in more Indian Capital and hold global conferences in Deep tech every quarter. Further we need to increase R&D not only in Bengaluru, but beyond it. Startups and Innovators in Hubli, Mysore, Mangalore are paving the path which needs to be extended to R&D innovation as well.



Dr. Mohandas Pai
Chairman, Aarin Capital and Manipal Global Education Services

PLANERY TALK

R&D OF INDIA - INNOVATION FOR GLOBAL IMPACT

Mr. Somanath in his insightful talk focused on Research & Development in the Indian Space sector and said that India has built an ecosystem where a small start-up could launch a Rocket into space collaborating with industries within India and the ISRO. The setting up of the Indian National Space Promotion and Authorization Center (IN-SPACe) has created energy & enthusiasm in the space sector. Chandrayaan-3, studying the Sun & other celestial events as future projects of the country. Human Missions, reusable space systems, space tourism are the exciting new developments in the sector

He further added that Satellite connectivity will enable internet reach remote areas and will also enable business intelligence in every walk of life, on-demand access to information and Human-Machine symbiosis which are all opportunities for R&D and Business. He brought to attention of delegates the IoT revolution that is already taking place. A market for small satellites & small rockets is emerging and several companies are working on additive manufacturing.

LEADING THE TECHADE THROUGH DIGITAL TRANSFORMATION

India's digital transformation journey has left an impact in all walks of life based on technology that is sustainable, affordable, and transformative. India has spearheaded in developing innovative digital projects, with the objective of providing affordable access to digital services to all citizens/ corporates. In this session, the industry leaders shared insights on how their organisation has reimagined its business in the Techade. The world has moved from pro-active work to predictive insights when it comes to customer experience which is a key aspect of digital transformation. The panel also discussed about amplification of human potential in infrastructure services across

domains such as airports and banks and also about the digital transformation that has changed over the past years in our daily lives. The talent induction was a challenge with physical interaction to onboard them during the pandemic, hence the induction through digital platform with AI was established that brought in great results. The panel also shared insight about digital infrastructure changes that brought great benefits to customers globally. Overall, the panel presented an interesting perspective on Innovation, which made the audience interact in conversation, with enthusiasm.



STATE SECRETARIES CONCLAVE - INDIA INNOVATION ALLIANCE

India Innovation Alliance is an initiative to connect various innovation clusters across different States of India and bring them under one platform, providing them with a window to interact with the world. A session on how the state can leverage each other's strengths and collaborate to create the India Innovation Story was organised. The panel shared the strategies of their State's initiatives in the IT sector to achieve the \$1Tn digital economy. Dr. Neeraj Mittal, IAS, Principal Secretary, Department of

Information Technology spoke about how Tamil Nadu has used data and technology to enhance the service delivery for businesses and people. Policy frameworks that was created focusing on data, interoperability in digital platforms, for the benefit of public and private sector. Dr. Vipin Sharma, IAS, CEO, Maharashtra Industrial Development Corporation (MIDC) shared insights of the State been a magnet for investment in IT, ITES and soft sectors including data centres.



ITE/Deeptech



CONFERENCE SESSIONS

- Accelerating Trust and Responsibility GCC model
- Building India's power in the emerging tech
- Fintech - Enablers of thea economy
- ESG Next 150 Billion USD opportunity - next Y2K moment
- Indian Security requirements for Telecom Networks- 5G and beyond
- India's role in Electronics & Semiconductor Manufacturing - driving towards \$5Tn Opportunity
- Future of Mobility
- AVGC as the soft power - the India story
- Capturing the Spacetech - India Story
- On-ground FutureTech for Aviation

ACCELERATING TRUST AND RESPONSIBILITY - GCC MODEL

The session shared insights on the factors that triggered large companies to set its footprints in India through Global Capability Centres – the technology arms of global multinational corporations that enables acceleration of digital transformation from India. From being a capacity of person power to deep competency and real leadership in international capital, India has transformed in a big way. Talent pool in India is a magnet for MNCs and emergence of digital stack for further innovation is an accelerator for progress and change. For a GCC to be built in India, the clarity of identity of that GCC is much needed.

KEYNOTE	MODERATOR	SPEAKERS
		 
George Lee Applied innovation & Mgmt. Committee Member, Goldman Sachs & Co. LLC	K S Viswanathan Vice President (Industry Initiatives) NASSCOM	Manu Saale Managing Director & CEO Mercedes-Benz Research & Development, India Gunjan Samtani Partner & Managing Director Goldman Sachs Services Private Limited

BUILDING INDIA'S POWER IN THE EMERGING TECH

Dr. Gopichand Katragadda and Sandip Patel shared insights on Emerging Technologies and the India Opportunity in the emerging sectors of energy, healthcare, advanced manufacturing through robots, deep learning for understanding market dynamics and delivering content with less carbon footprint and also stated that exponential technologies like Hybrid Cloud, AI, Cyber Security, Quantum are shaping the world while Lama Nachman spoke of Changing the Narrative - from Human AI Competition to Collaboration and AI applications that has a great potential across Smart Home, Smart Manufacturing, Personalised education and Assistive Computing. Guruprasad shared insights on Sustaining Digital Disruption for a better future wherein he stated that digitally driven disruption is an inevitable paradigm shift through Smartphones in the past to the most recent digital financial transactions while Anand Ramamoorthy spoke of Data Science & Artificial Intelligence as significant levers driving innovation in semiconductors. He said AI has been revolutionizing our quality of life through Personal assistance, Automated cleaning, Smart appliances; Task automation, IP protection; Reaction monitoring, Safety and Sustainability

KEYNOTES
    
Dr. Gopichand Katragadda Founder and CEO Myelin Foundry Sandip Patel Managing Director IBM India Lama Nachman Intel Fellow, Director of Intelligent Systems Research Intel Labs Guruprasad S Vice President & Global Director (Healthcare & Data Science) Bosch Global Software Technologies Anand Ramamoorthy Vice President & Managing Director Micron India

MAKING AI USEFUL IN THE REAL WORLD

AI is a general purpose technology having applications across varied sectors, which gives an opportunity to leapfrog economically & technologically by citing the real world use cases of AI. Leveraging of AI by Governments, Corporates and Start-ups create a great impact across the world. Geopolitics is a crucial factor for leveraging AI. To create the next wave of AI, both Science and Data-driven approaches need to be brought together. The market scale and size of India is a great opportunity for innovation space in AI. It is profitable to focus on business problems and deliver solutions that are sustainable.

MODERATOR	SPEAKERS
  	 
Anirudh Suri Founding Partner India Internet Fund	Andres Elizondo Chief Financial Officer Builder.ai Anne Marie Engtoft Larsen Tech Ambassador Denmark Dr. Tobias Feakin Ambassador for Cyber Affairs and Critical Technology, Department of Foreign Affairs and Trade Australia Dan Jeavons VP Computational Science & Digital Innovation Shell Technologies

FINTECH – ENABLERS OF THE ECONOMY

The Indian payments landscape is evolving with Digital transactions. Initiatives by Government and Regulators with better access to devices and internet are driving towards a cashless India. At 87%, India has the highest Fintech adoption rate in the world against the global average of 64% and is expected to reach \$1 trillion market size by 2030. It is admirable that countries outside India such as France, UAE, Singapore etc have embraced different forms of Indian payment systems. Fintech companies need to build products not just for valuation, but long term solution and also be customer-centric rather than data centric.

KEYNOTE	MODERATOR	SPEAKERS
  	 	
Akash Sinha Co-Founder & CEO Cashfree Payments Arti Singh Deputy Editor LiveMint Nitin Chugh Deputy Managing Director & Head of Digital Banking & Transformation State Bank of India Rajesh Bansal Chief Executive Officer RBI Innovation Hub V. Ponnuraj, IAS Secretary to Government Department of Personnel & Administrative Reforms (e-Governance)		

ESG NEXT 150 BILLION USD OPPORTUNITY – NEXT Y2K MOMENT

In India, there are number of companies moving towards de-carbonization expecting a 30% reduction in carbon emission by 2030. To reach net zero globally, a stipulated estimate of \$100 to \$150 Trillion investment is needed in innovation over the next 30 years. Top priority opportunities to drive impact & value in net zero transition are Clean tech, EV, Renewable energy, Supply chain decarbonization to name a few. Digital technology is key to help balance the supply and demand for future energy systems. Major innovations including AI, Cloud, Blockchain, Deep Data, High performance computing, physics-based computational science will play a key in decarbonization.

KEYNOTE



Sumit Gupta
Head of Climate & Sustainability, APAC
Boston Consulting Group

LEAD TALK



Shashank Garimella
Head of Project &
Programme Management in IT
Shell

OPPORTUNITIES AND CHALLENGES FOR 150BN DOLLAR PLUS

In India, 34% of power is from renewable sources, and 13% of that is solar. For any sustainable solution to work, it has to make money for investors. About 90% of emissions are from three key areas viz., mobility, agritech and energy & resources. Hence investment into technology start-ups who are creating solutions for climate, an issue of national importance is the need of the hour. After covid, the corporates are shifting to renewable power. In the coming decade, Renewables would play a big role in powering India and the world.

MODERATOR



Sreysha George
Managing Director and Partner
Boston Consulting Group

SPEAKERS



Tejas AV
Chief Commercial Officer
Cleanmax



Tanya Singhal
Founder and Director
SolarArise



Swapna Gupta
Partner
Aavaana Climate & Sustainability Fund



Shashank Garimella
Head of Project &
Programme Management in IT
Shell

INDIAN SECURITY REQUIREMENTS FOR TELECOM NETWORKS- 5G AND BEYOND

The Department of Telecommunications (DoT) is responsible for framing the security requirements for Telecom equipment and certifying them. The objective of this session was to apprise the industry of the Telecom security standards and testing framework for the benefit of the industry. The session covered insights on Overview of Telecom security framework, MTCTE Framework and requirements of Indian security beyond 5G for telecom networks. The present day communication networks need resilient approach as the scope, variety and complexity of current cybersecurity threats are increasing exponentially. The take away for the industry is to participate actively in the stake holder consultation meets organized by NCCS, Bangalore and provide feedback to finalize a comprehensive document.

SPEAKERS



N D Ramaraju, ITS
Sr. DDG NCCS
DoT Bengaluru



N Murali Krishna, ITS
DDG, RTEC
DoT Bengaluru



K Srikrishna, ITS
Deputy Director General, NCCS
DoT Bengaluru

INDIA'S ROLE IN ELECTRONICS & SEMICONDUCTOR MANUFACTURING - DRIVING TOWARDS \$5TN OPPORTUNITY

India has huge market, good talent and good manufacturing base in electronics and inching towards to semiconductor manufacturing. However India needs electronics products originating from the country in order to be self-reliant. India has started its 5G journey and it is going to be there for a long time with many applications and products. Telecom will remain as an integral part of strategic technology. The production engineering capability in electronics manufacturing such as automation is playing a crucial role. Both design and manufacturing of semiconductor and electronics are needed for India to become self-reliant.

MODERATOR



Vivek Tyagi
Chairman
IESA



Arnob Roy
Chief Operating Officer
Tejas Networks



Santhosh Kumar
Managing Director
Texas Instruments



Ravindra Munvar
General Manager
Design & Development
Syrrma SGS Technology



Dr. Satya Gupta
Chief Executive Officer
EPIC Foundation



Gourab Basu
VP - BD & Head -
Commercials
Wistron Technologies



Hank Hsu
Vice President
Wistron Corporation

AVGC AS THE SOFT POWER - THE INDIA STORY

The Government of Karnataka had created the five-year policy for AVGC industry which has led India to the world map in the field of VFX. The Indian AVGC market is expected to rise to \$10Bn by 2030. Gaming and XR will catapult the already fast moving VFX and animation business. New policies will provide a massive surge to education with a growth to about 3x from 100 universities in the next 3-5 years. The aim of AVGC policy is to democratize the access to latest technology in India and with focus on both soft power and hard power.

KEYNOTE & MODERATOR



Biren Ghose
Country Head Technicolor India & President, ABAI



Harshavardhana Kikkeri
Founder & CEO Holosuit



Kiran Kumar V
Head of creative operations Moving Picture Company



Veerendra Patil
Founder & Director Moving Picture Company



Naveen Kumar Manoharan
Director Zebu Animation

SPEAKERS



ON-GROUND FUTURETECH FOR AVIATION

The airport of today has moved to a sustainable and passenger friendly environment. As the airlines are innovating, airports are going through radical change with intelligent connected systems. With 5G, edge and IoT, the interconnected airport system is gaining momentum. Bangalore airport has been known as digital leader in aviation space with the latest being biometric – a national initiative with blockchain enabled digital identity. In order to endeavour a seamless process and journey for passengers, future tech is of utmost importance.

KEYNOTE AND MODERATOR



Sonu Verghese
Partner Kyndryl India

FIRESIDE CHAT SPEAKER



George Fanthome
CIO Bangalore International Airport Ltd

CAPTURING THE SPACETECH - INDIA STORY

The session identified commercial opportunities in small satellites, small launch vehicles, Earth observation services & constellations, communication services currently and Manufacturing in space, Human missions to space & Space tourism as opportunities in the future.

India's advantages are strong heritage & experience in space systems & services, skilled Human resources in engineering, R&D, operations, management & policy. Indian policies are conducive to ease of doing business & in alignment with International obligations, security & safety. It noted that Bangalore is considered as Aerospace and Space hub & has ample opportunities for grabbing a significant portion of the emerging space business.

LEAD TALK & MODERATOR



Sudheer Kumar N
Director, CBPO ISRO



Kshitij Khandelwal
Co-Founder & CTO Pixel



Vinod Chippalkatti
President SEBU Centum Electronics Ltd



Tanveer Ahmed
CTO Digantara



Piyush Dhaundiyal
GM, India & Chief of Staff Space Machines Company Pvt. Ltd.



Wing Commander Satyam Kushwaha (retd)
Director Indian Space Association (ISPA)

SPEAKERS



FUTURE OF MOBILITY

In the backdrop of growing urbanisation transportation should be Zero emission at least Zero tail pipe emissions, cater to all sections of society ensuring Zero exclusion. The transport system should be safe with no deaths or injuries.

Public transport like Metros will be mainstay but not enough. A way needs to be found to connect Public buses, private cars, and two wheelers to facilitate seamless mobility through use of newer technologies. There is need to encourage walking, non-motorised travel, Car sharing, and bike taxis to reduce congestion. The key takeaway was that cities & mobility should be thought of to move people and not vehicles.

KEYNOTE



Vadiraj Krishnamurthy
Chief Technology Officer Bosch Global Software Technologies

MODERATOR



Amit Bhatt
Managing Director International Council on Clean Transportation (ICCT)

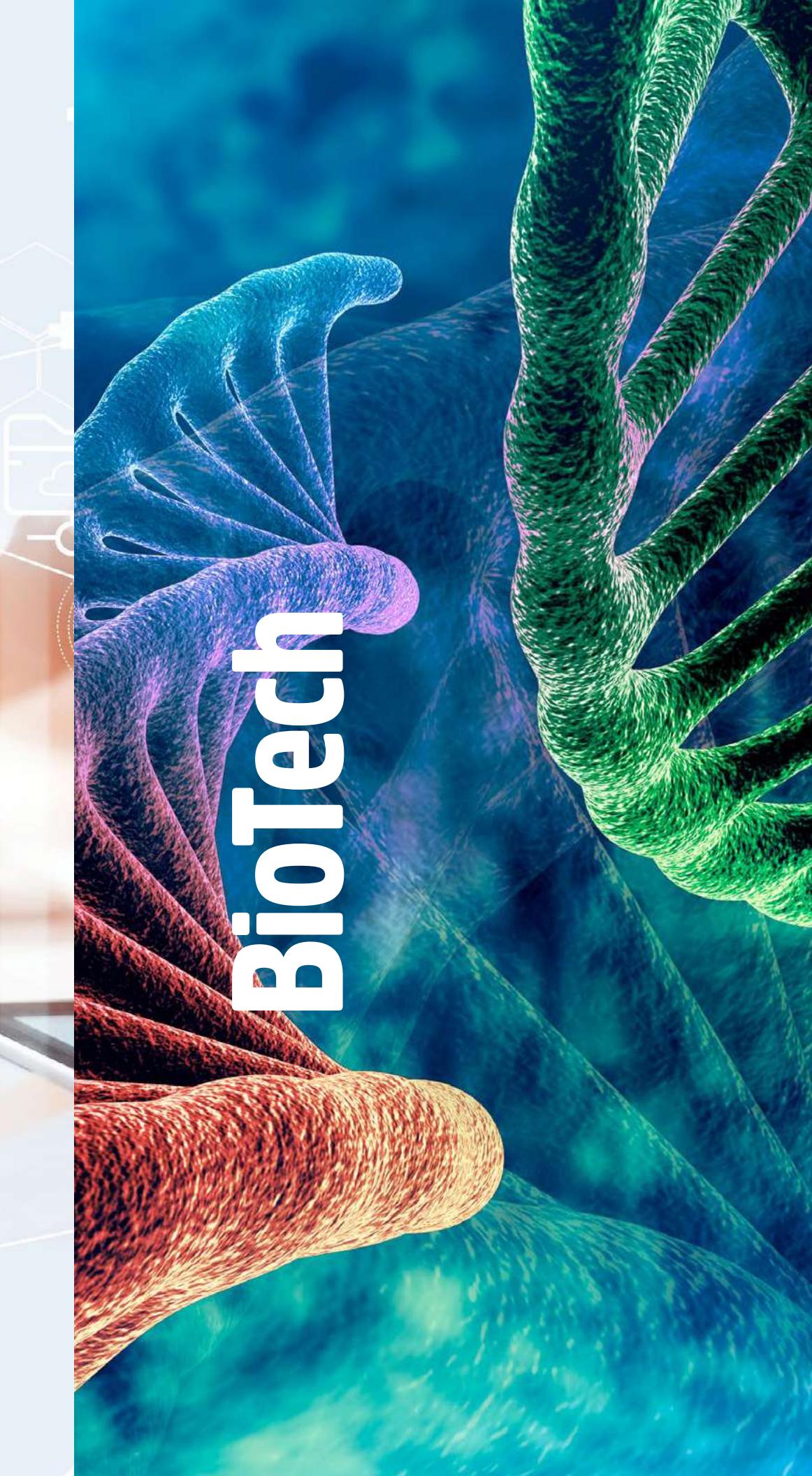
SPEAKERS



Anjum Parwez, IAS
Managing Director Bangalore Metro Rail Corporation Ltd (BMRCL)



Vinayak Bhavnani
Co-Founder & CTO Chalo



CONFERENCE SESSIONS

- Genomics revolution 2.0 and its implications
- Smart Supply Chains in Biopharma
- Gene Editing and Agriculture
- One Health and Pandemic Prevention
- The Future of Genomic Medicine
- Bio Industrial to boost BioEconomy - Synthetic Biology
- Bio Industrial to boost BioEconomy - Bioenergy & Renewable Biochemicals
- Bio Industrial to boost BioEconomy - Smart Protein
- Biotech Future: Cell & Gene Therapy
- Big data in Drug Discovery
- How to reach the \$100 billion Biological Manufacturing opportunity for India
- Bioinvesting: Public-Private Partnerships

*Leading the
New Normal*

GENOMICS REVOLUTION 2.0 AND ITS IMPLICATIONS

The panel had speakers who are pioneers in ushering in the genomics era in the Country. With recent announcements of massive reduction of costs of genome sequencing, an exciting tipping point has been reached in Low and Middle Income Countries (LMICs) like India for the genomics revolution to move to the next level – affordable diagnostics, population genomics for precision, pandemic response, next generation pharma, agriculture. Governments should mandate more genomics studies to generate large amounts of actionable data that can help drive policies and mitigate many of our intractable health related issues as Indian companies have the expertise.

KEYNOTE



Dr. Joydeep Goswami
Senior Vice President
Corporate Development &
Strategic Planning,
Illumina Inc.

MODERATOR



Dr. Vijay Chandru
Co-Founder & Director
Strand Life Sciences

SPEAKERS



Dr. Ramprasad V L
Chief Executive Officer
MedGenome Labs Ltd



Dr. Ramesh Hariharan
CEO & Co-Founder
Strand Life Sciences



Dr. Bratati Kahali
Associate Professor
Centre for Brain Research, IISc

GENE EDITING AND AGRICULTURE

As the world grapples with Climate Change, help is at hand with the newly developed gene-edited techniques to tailor a large number of crops to resist and adapt to the stress induced by unpredictable climate. The technique allows scientists to transfer, without altering the basic characteristics of crops with select favourable traits at the genetic level. There is no insertion of foreign gene that can cause concern among the public. A number of Indian groups are working on product development. A clear policy statement that encourages this new-age, promising technology should help the nation garner the benefits of the modern gene editing tools.

LEAD TALK



Dr. Brad Ringisen Ph.D
Executive Director
Innovative Genomics Institute

SPEAKERS



Dr. KK Narayanan
Director & CEO
Agrigenome Labs



Prof. C S Prakash
Dean
Tuskegee University

SMART SUPPLY CHAINS IN BIOPHARMA

The session focused on the smart and innovative use of existing supply chains during the Covid-19 pandemic to source key materials from across the country when the world was trying to hoard their limited supplies. From the lessons of the recent pandemic, we now understand that business continuity requires resilience and agility and not just cost. These 'future ready' supply chains will need to be dynamic to meet rapidly evolving, and increasingly volatile, customer and consumer needs. They need to be smart to predict, prepare, and respond to a catastrophe whenever and wherever it strikes.

MODERATOR



Lalith Kishore
COO, C-CAMP InDx

SPEAKERS



Mrinalini Lakshminarayanan
Global Executive Director - Digital
Operations Innovation, Ingram Micro



Sameer Amte
Managing Director,
Life-Science & Retail Industry
Lead India Accenture



Ravi Kalla
IT Head
Anthem Biosciences

ONE HEALTH AND PANDEMIC PREVENTION

'One Health', as a concept, has garnered priority and has now entered the common parlance after the COVID-19 pandemic. It is an integrating idea that aims to bring together different sectors to solve health, productivity, and conservation issues and thus, has major implications for India. With increasing globalization and air travel, zoonotic diseases are bound to impact human population more rapidly than at any time in our history. Panelists recommended an integrated approach to increase vigil through strict monitoring, prepare with surveillance and mitigation solutions so that the nation is not caught by surprise when the next pandemic visits us.

LEAD TALK



Sindura Ganapathi
Visiting PSA Fellow,
Office of the Principal Scientific
Advisor to the Government of India

MODERATOR



Raghu Dharmaraju
President
ARTPark

SPEAKERS



Dr. Farah Ishtiaq
Principal Scientist
Tata Institute for
Genetics and Society



Dr. H Paramesh MD
Visiting Professor Divecha Center
for Climate Change IISc;
Founder Chairman,
Lakeside Education Trust



Dr. Varsha Shridhar
Director and Co-founder,
Molecular Solutions
Care Health LLP



Dr. Thrilok Chandra
Special Commissioner
BBMP

THE FUTURE OF GENOMIC MEDICINE

Genomic medicine is an interdisciplinary medical specialty involving the use of genomic information and nucleic material for vaccines and therapeutics and their delivery vectors that has rapidly grown in the last decades based on the annotation of the human genome, the consequent understanding of the pathways of disease biology and the development bio-engineering at the micro and nano scales. We are on the threshold of making greater use of the tools of genomics medicine to tailor treatments to individuals for more effective disease control and mitigation. The future already beckons in genomics medicine.

MODERATOR



Dr. Vishal Rao U S
Director - Head Neck Surgical Oncology & Robotic Surgery; Dean - Centre of Academics & Research, HCG Cancer Centre



Dr. Roger Hajjar
MD - Head of Research & Development Ring Therapeutics

SPEAKERS



Dr. Vijay Chandru
Co-Founder & Director Strand Life Sciences



Prof. Siddharth Jhunjhunwala
Associate Professor, Indian Institute of Science

BIO INDUSTRIAL TO BOOST BIOECONOMY - SMART PROTEIN

India is the preferred destination for startups from US, for Innovation and Manufacture of 'Smart Proteins' and Bengaluru already has companies established in R&D facilities and sourcing production. There is a fast growing demand for fermentation capacities. Panelists forecast a potential for 10 million litre fermentation capacity to be set up in India in the next 3-5 years at \$ 500 million investment and annual revenues of \$ 1 billion. State governments need to take advantage of this opportunity and provide right support with land, speedy regulatory clearances and incentivise investments in their respective states to attract investments. A big opportunity for job creation and developing Biotechnology in regions.

MODERATOR



G. S. Krishnan
President ABLE



Dr. Bharathi Salimath
Director Sanorva Biotech Pvt. Ltd.

SPEAKERS



Subramani Ramachandrapa
Founder & Managing Director Laurus Bio Pvt. Ltd.



Varun Deshpande
Managing Director The Good Food Institute India



Dr. Manish Dhiwan
Head - Strategy Partnership & Entrepreneurship Development BIRAC

BIO INDUSTRIAL TO BOOST BIOECONOMY - SYNTHETIC BIOLOGY

India has achieved the E 10 mandate and is progressing towards E 20 & E 30. It is very much the 2G Ethanol from 'Agri residues' / Biomass which will facilitate the achievement of this target. With Indigenous Indian technology to convert these Agri residues, India can be a Global leader if we can succeed and attract further investments. Three new facilities is expected soon. India has a vast potential for marine agricultural biomass like seaweeds that can be converted to renewable Biofuels and renewable chemicals like Bioplastics. The Indian government has started to explore this potential with schemes like Pradhan Mantri Mansya Sampada Yojana (PMMSY). Panelists discussed how to leverage these emerging opportunities.

KEYNOTES



Dr. Anand Ranganathan
Professor, International Centre for Genetic Engineering & Biotechnology



Shrikumar Suryanarayanan
Chairman & Managing Director Sea6 Energy Pvt. Ltd.

MODERATOR



Krishna Mohan Puvvada
Regional President Business Director Novozymes South Asia Pvt. Ltd.

SPEAKERS



Dr. Pramod Kumbhar
President & CTO Praj Industries



Dr. Santanu Dasgupta
Senior Vice-President, Head of Algae to oil & Synthetic Biology R&D, Reliance Industries Limited



Dr. VV Hemanth Giri Rao
Senior Manager - R&D, Sea6 Energy Pvt. Ltd.

BIO INDUSTRIAL TO BOOST BIOECONOMY - SYNTHETIC BIOLOGY

From \$ 80 billion in 2021, the nation has set a \$300 billion BioEconomy target for 2030. It is important that new opportunity areas in the bioindustrial segment is tapped. Synthetic Biology is providing solutions to some intractable problems encountered in boosting the production of many key plant based raw materials used in food, medicine and industrial production sector. With increasing climate change, industries of the future will depend on assured supply of key materials and synthetic biologists are the forefront in producing a variety of alternate products synthetically. The use of these safe, enhanced products is only going to increase.

MODERATOR



Dr Ezhil Subbian
Co-Founder & CEO String Bio Pvt Ltd

SPEAKERS



Dr. Anindya Bandyopadhyay
Vice President - R&D Reliance Industries Ltd



Dr H. S Subramanya
Director, Institute of Bioinformatics and Applied Biotechnology



Eswar Iyer
Co-Founder and CTO Aikium

BIOTECH FUTURE: CELL & GENE THERAPY

Cells and genetically engineered cells have fundamentally different properties than medicines and surgery—they are “living drugs” that can heal and replace damaged tissues or diseased organs and they have the potential to provide curative therapies to a range of diseases that currently have no cure. Gene replacement therapies have reached public in many developed nations but at highly prohibitive costs. India is in a perfect position to bring, adapt and develop these therapies to make it affordable not just for Indian but for patients around the world. The panelists outlined the various steps needed to take full advantage of our strengths.

LEAD TALK



B N Manohar
MD & CEO
Stempeutics Research
Private Limited

MODERATOR



Dr. Narendra Chirmule
CEO, Director & Co-Founder, Symphonytech
Biologics Adjunct Professor (Faculty)
University of Pennsylvania

SPEAKERS



Dr. Arun Anand
COO & Board Director
Immuneel Therapeutics
Adjunct Professor (Faculty)
University of Pennsylvania



Prof. Rahul Purwar
Associate Professor & Founder
ImmunoACT
Scientist - E, Centre for
Stem Cell Research
(a Unit of inStem, Bengaluru)
Christian Medical College Campus



Mohankumar K. Murugesan PhD
Scientist - E, Centre for
Stem Cell Research
(a Unit of inStem, Bengaluru)
Christian Medical College Campus

HOW TO REACH THE \$100 BILLION BIOLOGICAL MANUFACTURING OPPORTUNITY FOR INDIA

India has set an ambitious \$100 billion biological manufacturing target by 2025. Currently it is between \$20-25 billion. Panelists outlined that the Covid-19 vaccine manufacturing prowess demonstrated to the world India can provide global scale manufacturing in this sector. Global industry is increasingly looking at India for biological manufacturing not just for vaccines, also for biosimilars, smart proteins and a variety of complex medical products. The country needs to make it easy for investments in biological manufacturing infrastructure. Equally critical is the need to upgrade skills of our human resources to handle these complex, large scale manufacturing processes without compromising on quality.

MODERATOR



N Suresh
Chief Operating Officer
ABLE

SPEAKERS



Vikas Katial
Head Manufacturing
Operations Biologics
Syngene International Limited

SPEAKERS



Dr. Jaby Jacob
Sr. President
Bharath Serums & Vaccines Ltd.
Senior Vice President & Global Head of
Manufacturing Sciences & Technology
(MSAT) Biocon Biologics Limited



Srinivasan Raman
Senior Vice President & Global Head of
Manufacturing Sciences & Technology
(MSAT) Biocon Biologics Limited



Dr. S D Ravetkar
Director
Serum Institute of India

BIG DATA IN DRUG DISCOVERY

The pace and approach to drug discovery was challenged during the pandemic. Inclusion of Big Data in the drug discovery can enhance project timelines and reduce clinical attrition through improved and timely decision making in the future. To use the data in an efficient and productive way, AI is required to manage the complexities and generate suitable algorithms. Applying Big Data processing approaches for the data coming from biology, chemistry and clinical trials, is a promising approach to bring efficiency into drug discovery. Drug research and development is a complex, expensive, time-consuming process characterized with a high attrition rate.

KEYNOTE



Dr. Woody Sherman
Chief Executive Officer
Psivant Therapeutics

MODERATOR



Mahesh Bhalgat
Chief Operating Officer
Syngene International Limited

SPEAKERS



Dr. Nandu Gattu
Vice President
Eagle Genomics Ltd



Panna Sharma
CEO & President
Lantern Pharma



Dr. Kishan Gurram
Founder & Managing Director
Sravathi AI Technology Pvt Ltd

BIOINVESTING: PUBLIC-PRIVATE PARTNERSHIPS

India has systematically rolled out PPP programs for the delivery of high-priority public utilities and infrastructure. Over the last decade India has developed one of the largest PPP Programs in the world with close to 2,000 PPP projects in various stages of implementation. As per World Bank, India is one of the leading countries in readiness for PPPs. In the 2018 Infrascope Report of the Economist Intelligence Unit, India ranked fourth in the overall ranking in Asia with first rank in Investment & Business Climate and second rank in Finance. A roadmap specific to Biotech for growth of Indian Bio-economy is the need of the hour.

LEAD TALK



Dr. Radha Rangarajan
Director
CDRI

MODERATOR



Dr. P. M. Murali
Chairman & Managing Director
Jananom Pvt. Ltd.

SPEAKERS



Clarence Andre John Anthony
Partner
Trilegal



Sanjeev Yamsani
Partner
VenturEast



CONFERENCE SESSIONS

- Venture Capital's long term role in driving dispersed innovation
- Building Robotics ecosystem for the developing world : Challenges and Opportunities
- Future of DPG: Challenges, Opportunities and Solutions
- Women in Tech - Women Leadership in Transforming the World
- Social Entrepreneurs - 1 - Delivering the Green Economy Now
- Ecosystem Track - 1 - Demystifying the Student entrepreneurship
- Deep Tech - 2 - AI hype or reality at scale
- FinTech - What will FinTech, in a \$5T Indian economy, look like?
- Digital Public Goods - 2 - Breakthroughs in DPG implementations
- Venture Track - 2 - Driving innovation beyond the venture capital support ecosystem
- Social Entrepreneurs - 2 - The mantras for building successful ventures in Bharat
- Ecosystem Track - 2 - "How Bengaluru startup ecosystem is accelerating innovation in the corporate sector"

We Define the  Tomorrow

VENTURE TRACK**VENTURE CAPITAL'S LONG TERM ROLE IN DRIVING DISPERSED INNOVATION**

The VC investment has grown significantly over the years and sectors such as e-commerce and fintech continue to attract investment followed by cleantech, transport tech, healthtech. The Panel were of the consensus that, if the tech is right, then it takes lesser time to become a Unicorn. The panel shared insights on the innovation landscape across AI, ML and deep tech and if VCs are focusing on Deep tech investments in a big way. It is believed that investments in Deep tech is best supported with grants than with VC investment. The panelist also shared their strategy on rationalizing an investment.

KEYNOTE

Tej Kapoor
Managing Partner
IvyCap ventures

MODERATOR

Anurag Ramdasan
Partner
Zone4 capital

SPEAKERS

Naganand Doraswamy
Managing Partner & Founder
Ideaspri... capital



Roopan Aulakh
Managing Director
Pi Ventures



Madhukar Sinha
Co-Founder & General Partner
India Quotient

DEEPTECH**BUILDING ROBOTICS ECOSYSTEM FOR THE DEVELOPING WORLD : CHALLENGES & OPPORTUNITIES**

The keynote shared insights on the emergence of robots since the first industrial robot created in 1954 which was majorly used for repeating the tasks. In the current trend, the expectation is using intelligence in robots with the help of data, train these robots using simulation and deploy them in real world. Robot-as-a-Service is an expected new norm across Logistics, Manufacturing, House-hold tasks, Medicine, Defense and Surveillance. The panel gave details on opportunity for robotics in India, and how robotic automation is the need of the hour in manufacturing industry, which is an enabler for the \$5Tn economy.

KEYNOTE

Pulkit Agrawal
Assistant Professor
Massachusetts Institute of
Technology, CSAIL

MODERATOR

Dr. Bharadwaj Amrutar
Professor-Division of EEECS- IISc
Co-Founder, Research Head
& Director
ARTPARK

SPEAKERS

Ajay Gopalswamy
Chief Executive Officer
DiFACTO Robotics &
Automation



Dr. Arjun Jain
Co-Founder, CEO
& Chief Scientist
UAVIO Labs Pvt Ltd



Kamal Bali
President & Managing Director
Volvo Group India

DRIVING INNOVATION BEYOND THE VENTURE CAPITAL SUPPORT ECOSYSTEM

The panel focused on the emergence of investment in India and the avenues for startups to leverage with industry for accessing markets and business. Insights on how corporates are accessible to these startups through corporate venture funds, mentoring, market access was discussed along with de-risking and scalability. The parameters of identification of startups with whom the large companies associate depends on the feasibility of the solution provided by the startup. The panel shared an interesting knowledge on the role of angel funds, individual investors for feeding into the pipeline of VCs or corporate investment.

MODERATOR

Syna Dehnugara
VP - Brand and Marketing
Trica



Prashant Adurti
Co-Founder
Mannjal

SPEAKERS

Nruthya Madappa
Director
Zone4 Capital



Manjunatha Kukkuru
AVP & Principal - Incubating Emerging
Technology Offerings
Infosys

AI HYPE OR REALITY AT SCALE

The sessions showcased insights on how AI is all around us in our daily lives and the state of AI in 2022 including NLPs, Voice and Image searches to name a few with the scalability of AI in the field of ecommerce. The panel discussed about the users such as customer support, governance, fintech and education's response to AI at scale as well as unique experiences and the manner in which things are changing at scale. The panelist also shared their pearls of wisdom for companies/startups in India and globally, who intend to scale their AI experiments. An interesting insight on how India could play a role in shaping AI globally was shared by the AI enthusiasts.

KEYNOTE

Jeyandran Venugopal
CPTO
Flipkart

MODERATOR

Umakanth Soni
Co-Founder & CEO
ARTPARK

SPEAKERS

Tapan Barman
Co-Founder & CEO
Mihup Communications



Dhrupal Shah
Chief Executive Officer
Stempedia



Ankush Sabharwal
Founder & CEO
CoRover



Rohit Rathi
Co-Founder
KarmaLifeAI

DIGITAL PUBLIC GOODS

FUTURE OF DPG: CHALLENGES, OPPORTUNITIES AND SOLUTIONS

The session focused on the challenges, opportunities and solutions of DPG in India, Europe and rest of the world. Key drivers and challenges faced by countries on new infrastructure development were shared by the panelists. With the R&D efforts globally, discussions around technological breakthroughs such as JAM and UPIS were discussed along with the expected breakthroughs in the coming decade. Perspectives on the methodology of coming together of democracies for the future of internet was an interesting aspect shared by the panel. In addition to this, the panel spoke about the key element of implementation of global breakthrough in DPG.

KEYNOTE



Henri Verdier
Ambassador for Digital Affairs
Ministry for Europe & Foreign Affairs
France

MODERATOR



Sridhar Pabbisetty
Founding Director
Kautilya School of Public Policy

SPEAKERS



Dr. S Rajagopalan
Former Professor
IIT - B



Sharad Sharma
Co-Founder
iSPiRT



Anne Marie Engtoft Larsen
Tech Ambassador
Denmark

SOCIAL ENTREPRENEURS

DELIVERING THE GREEN ECONOMY NOW

The session showcased future-ready climate businesses leading India's transition to a green economy. The session started with Keynote by Shri Saurabh Kumar, India Director Global Energy Alliance for People and Planet (GEAPP). He highlighted the role of climate innovation in India's economic development and pathways for Indian climate technologies to scale in India and globally. The panel shared key learnings from building climate businesses capable of scaling with government and large corporate customers. Each founder shared their global ambitions, competitive edge and tips for aspiring climate entrepreneurs.

KEYNOTE



Saurabh Kumar
Independent Consultant
Former EVC & MD EESL

MODERATOR



Starlene Sharma
Founding Partner
Green Artha

SPEAKERS



Vishal Pandya
Co-Founder
REConnect Energy



Ganesh Shanker
Founder & CEO
FluxGen Technologies



Suhas Dixit
Founder & CEO
APChemi Pvt Ltd

BREAKTHROUGHS IN DPG IMPLEMENTATIONS

The discussion was about the deployment of DPGs in areas as diverse as education, lending, data empowerment, health and e-commerce. The need for patience, talent, governance, understanding of use cases, experimentation, collaboration and communication was underscored. India had pioneered DPGs for use at unprecedented scale and scope and these were transforming India dramatically. The idea of DPGs was new and therefore it required constant communication and new models of working together.

KEYNOTE



Nitin Mishra
Chief Technology Officer & President
ONDC

MODERATOR



Sanjay Anandaram
Ambassador
iSPiRT

SPEAKERS



Kiran Anandampillai
Tech Advisor
NHA



Hrushikesh Mehta
Co-Founder & Chief Evangelist
CredAll



BG Mahesh
Co-Founder
Sahamati



Shankar Maruwada
Co-Founder & CEO
EkStep

THE MANTRAS FOR BUILDING SUCCESSFUL VENTURES IN BHARAT

The session focused on billion opportunities present in Bharat market. Successful startup founders across Agri, Fintech, local e-commerce, dairy domain with business in Bharat market shared insights on early hurdles faced such as market complexities, adopting new age tech consumption. India with over 1.4 billion lives, needs entrepreneurs to become successful beyond metros. This is possible by adopting entrepreneurial approach, local jobs creation, thereby raising economic conditions. Panel members focused on unleashing the true potential Bharat holds for mission driven entrepreneurs, through infrastructure developments, availability of funds from private sector, govt's policies encouraging entrepreneurial opportunities.

KEYNOTE



Madan Padaki
Founder & CEO
1BRIDGE

MODERATOR



Dr. Sridhar Mitta
Founder & Managing Director
NextWealth Entrepreneurs

SPEAKERS



C. M. Patil
Chief Executive Officer
Krishikalpa



Anil Kumar SG
Founder & CEO
Samunnati Financial Intermediation & Services Pvt Ltd



Jitesh Arora
Co-Founder & CTO
M000Farm



Praneeth Kumar
Co-Founder
eGROW



Ravi Haldipur
Co-Founder
eSamudaay

ECOSYSTEM TRACK

FIRESIDE CHAT: KINDLING THE SPIRIT OF STUDENT ENTREPRENEURSHIP

The Speakers shared insights on reimagining entrepreneurship on campuses and to promote student entrepreneurship, especially in the higher education system. The panel captured the importance of entrepreneurial thinking in each and every person and that the growth and experience from a startup journey adds great value to the entrepreneur. It captured the importance of entrepreneurial thinking in each and every person regardless of whether they are going to be an entrepreneur. A general consensus was reached among speakers on boosting entrepreneurship by a slight delay or leeway for repaying student loans.

SPEAKERS



Suresh Bhagavatula
Professor
Entrepreneurship Area, IIM Bangalore



Suresh Narasimha
CEO, Co-CREATE
Founder & CEO, Telibrahma



Prof. S Sadagopan
Former Director
IIIT Bangalore

DEMYSTIFYING STUDENT ENTREPRENEURSHIP

The Speakers shared insights on reimagining entrepreneurship on campuses and to promote student entrepreneurship, especially in the higher education system. Student Entrepreneur panelists from PESU Venture Labs shared their journey and experience of building a venture and the reason for becoming an entrepreneur. They also spoke about the immense opportunities present for student entrepreneurs and its positive impact. Corporations, both Indian and international, are finding that Bengaluru is a rich ecosystem for world-class technical, managerial and leadership talent, and showing great interest in startups solving some of the most daunting problems through innovative solutions. This is attracting corporations to setup their innovation centers in Bengaluru.

MODERATOR



Suresh Narasimha
CEO, Co-CREATE
Founder & CEO, Telibrahma



Pallavi Gopinath
Co-Founder and Director
Fond Solutions



Abhilash Madabhushi
Founder
Consuma



Yousha Mahamuni
Co-Founder
Physi.Fit



Akshay S P
Co-Founder
Zeru



Hrithin Kedage
Co-Founder & CTO
Assertify Technologies
Pvt Ltd



Ananya Mungara
Founder & CEO
SmartChakra



Ajay Hegde
Founder & CEO
Greenfly



Ravi Narayan
Trustee
TiE Global



Sruthi Kannan
Head - Cisco for Startups
Cisco



Naren Ravula
VP & Head of Product
Strategy & Deployment
Flipkart



Abhay Tandon
Head Digital &
AI Innovation
TVS Motor Company



Madhurima Agarwal
Country Head
Microsoft for Startups
Microsoft India

WOMEN IN TECH

WOMEN LEADERSHIP IN TRANSFORMING THE WORLD

Women are now visible in every area of public life - as heads of state in major countries, as CEOs of Fortune 500 corporations, and entrepreneurs creating innovative solutions to take care of global populations and save the planet. Technology is enabling ideas, products and solutions to make this happen. The session showcased how the world is transforming in Policy, Funding, Technology & Collaborations. The panelist shared their insights on how to increase the percentage of women at work and what does transformation mean for a working women leader globally.

KEYNOTE



Dr Subi Chaturvedi
Chief Corporate Affairs & Policy Officer
InMobi

MODERATOR



Beverly White
Senior Anchor
YourStory Media

SPEAKERS



Srividhya Srinivasan
Co-Founder & Chief Customer
Success Officer
Amagi Technologies



Mythily Ramesh
Co-Founder & CEO
NextWealth Entrepreneurs Pvt Ltd



Geetha Ramamurthy
Co-Founder & CEO
Career Confidence

FINTECH

WHAT WILL FINTECH, IN A \$5T INDIAN ECONOMY, LOOK LIKE?

India is on an exciting growth path to \$5Tn+ economy to make it the third largest economy globally, with Fintech being a key enabler. The panel shared insights on enabling journey of \$5Tn economy across digitization, access to credit, better wealth management, smoother business processes and payments. It is critical for any Fintech, to build trust with the Indian audience, set real examples and adhere to them consistently. There will be growth of personalized and customized solutions for underserved segments. Adherence to regulations and building the business with patience and good governance is the need of the hour.

MODERATOR



Manasi Shah
Vice President
Accel Partner

SPEAKERS



Raghunandan G
Founder
Zolve



Nitin Kamath
Founder & CEO
Zerodha



Nitin Gupta
Founder & CEO
Uni Cards



Harshil Mathur
Co-Founder & CEO
Razorpay



Miten Sampat
Chief Architect
CRED



CONFERENCE SESSIONS

- France: Digital Sovereignty - From data localization to digital upskilling
- Australia: Australia – a great place for tech business, investment, work and study'
- Canada :Your innovation Gateway to the World
- Finland: Unleashing the 5G ecosystem with Nokia
- Denmark: Tech for Sustainability
- South Korea: Aerospace R&D and Industry in South Korea
- UK: The future of UK India telecom partnership
- Sweden: Sustainability in outer space powered by digital technologies
- The Netherlands: Farming the Future : Indo-Dutch Innovations in Agriculture
- Israel: Medi Tech & Innovation
- European Union: EU India Innovation Cooperation in the Biofuels Sector
- Lithuania: Hi-Tech Lithuania doing big in India – Opportunities for business and innovation
- Poland and Thailand: Glimpse of the Innovative ecosystem
- Beyond Bengaluru 1
- Beyond Bengaluru 2
- India US Tech Conclave
- Germany: Innovation Odyssey: The story of Bengaluru and Berlin
- NRW: NexGen-Tech for Sustainability
- Switzerland: Indo-Swiss Tech by NextGen
- Japan: India and Japan: Co-creating Solutions for the Digital World
- Shaping the Future with exponentials

BEYOND boundaries

FRANCE: DIGITAL SOVEREIGNTY - FROM DATA LOCALIZATION TO DIGITAL UPSKILLING

The session focused on digital sovereignty and its importance in today's world. Panelists representing various organisations spoke about their views on digital sovereignty and initiatives undertaken by the organisations to promote data and digital security. Some of the key elements brought out from the discussion included educating, training employees in cybersecurity, and the importance of re-skilling/ upgrading existing skills to meet the future needs of tomorrow. Other areas highlighted also included importance of supporting clients and customers in becoming self-aware and to prevent them from cyber-security attacks.

SPEAKERS



Clément Maës
COO & Co-Founder
Coralium

Rajesh Desai
Co - Founder, CEO & MD
Lyra India

Souad Tefiche-Ancelle
Chief Executive Officer
Link Innovations

Nikhil Pathak
Vice President - Offer
Marketing & Business Development
Schneider Electric India

Rajiv Aramadaka
Director Public Sector
Dassault Systemes India

Sylvain Rouri
Chief Sales Officer
OVH Cloud

CANADA: YOUR INNOVATION GATEWAY TO THE WORLD

The session largely covers Investment ecosystem, opportunities, various programs, schemes by Provincial states in Canada. Ms. Deepa Nagaraj gave an overview of Mphasis corporate journey in state of Alberta from establishment to scaling business, reasons for choosing Canada over other countries. Mr. John Ludovice, Director - Special Projects, Nova Scotia Business Inc spoke about vibrant and supportive ecosystem in Nova Scotia, various incentives, funding programs, tax incentives, pay roll rebates etc. Ms. Rooma Bussi, Investment Advisor - INDIA, Government of Alberta spoke about opportunities in the state of Alberta, value proposition for Indian companies willing to invest in Alberta, Govt investments in quantum computing, tax structures, various funds etc. Mr. Prashant Nair, Managing Director - India, Government of British Columbia, Province of British Columbia, High Commission of Canada, spoke about investment ecosystem in British Columbia, vibrant ecosystem, investments of Govt in technology, tax structure, tech funds, strategic investment funds etc.

MODERATOR



Varun Ramesh
Trade Commissioner
Consulate General of
Canada in Bengaluru



Patrick Hébert
Chargé d'Affaires
Consulate General of
Canada in Bengaluru



Kenneth Wong
Senior Trade
Commissioner
Consulate General
Government of Canada



Prashanth Nair
Managing Director - India,
Government of British
Columbia, Province of British
Columbia, High Commission of
Canada



Rooma Bussi
Investment Advisor
- INDIA
Government of Alberta



John Ludovice
Director - Special projects
Nova Scotia Business Inc



Deepa Nagaraj
Global Head of
Communications & Sparkle
Innovation Ecosystem
MPHASIS

AUSTRALIA - A GREAT PLACE FOR TECH BUSINESS, INVESTMENT, WORK AND STUDY

His Excellency Mr. Tim Watts, Assistant Minister of Foreign Affairs of Australian Government spoke about how Australia is making new investments in advanced programs with India including many that will build both India and Australia's science, technology and innovation ties. He further mentioned that Australia is investing in the talent and energy of the Indian-Australian Community by opening a new centre for Australia-India relations in Australia.

The panellists from the sessions spoke about why Australia is a great place for tech talents and companies, to invest, work, study and live.

SPEAKERS



Tim Watts
Assistant Minister
for Foreign Affairs
Australian Government

Barry O'Farrell
Hon'ble High
Commissioner to India
Australian High
Commission Delhi

Sarah Kirlew
Australian Consul
General for South India
Australian Consulate
Chennai

Jay Meek
General Manager &
High Growth
Export Services
Austrade

Chris Waters
Regional Director
South Asia Dept. of
Home Affairs
Australia

Madhavi Shankar
Co - Founder & CEO
SpaceBasic

Gaven Standon
Executive Partner
Ecosystem
Telstra

Suresh Raman
Vice President &
Regional Head
TCS Chennai

FINLAND: UNLEASHING THE 5G ECOSYSTEM WITH NOKIA

The session covers overview of Finnish startup ecosystem, how NOKIA is supporting startups to unleash the potential use cases of 5G, role of startups in making 5G ecosystem. Ms. Saniya Jeswani, Co-Founder and Chief Executive Officer, Perkant Tech Private Limited, spoke about 5G enabled one tap health screening system called "Abhay Parimiti". The health results can be derived in 30 seconds for 5 body vitals. She also spoke on leveraging 5G with NOKIA to reduce the cost of the device. Mr. Ravi Chivukula, CEO, Hearhealth Technologies spoke about transforming cardiac care with AI driven clinical decision support system. The product is called "upBeat", it is a continuous heart monitoring device enabled with 5G. With speed of information flow, this device can save many lives. He also discussed on various use cases for using 5G in cardiac care. Prof. Amruthur Bharadwaj spoke about IISc- NOKIA Center for Networked Robotics and how 5G can be harnessed to improve robotic based solutions and create use cases. He also discussed on few use cases in the robotics lab at IISc.

SPEAKERS



Vinayak Andangoudar
Head of Location Development
Nokia

Saniya Jeswani
Co-Founder & CEO
Perkant Tech Private Limited

Ravi Chivukula
CEO
Hearhealth Technologies

Dr. Jukka Holappa
Country Director India
Business Finland

Prof. Amruthur Bharadwaj
Professor, Division of Electrical
Electronics & Computer Sciences
IISc

Lokant Jain
Co-Founder & CTO
Perkant Tech Private Limited

DENMARK: TECH FOR SUSTAINABILITY

The session focused on use of technology to achieve sustainability. Denmark's uses of technology to achieve sustainable development goals and ways of joint collaboration with India to achieve SDGs. Session also covered insights from Danish corporates like Novozymes, Maersk on decarbonizing through technological interventions. Speakers also spoke on using technology for finding solutions to eradicate poverty and maximizing social impact. The session also highlighted about the green strategic partnership between Denmark and India.

SPEAKERS



Eiske Bo Knudsen Rosenberg
Consul General, Head of Trade & Innovation Consulate General of Denmark Bangalore



Krishna Mohan Puvvada
Regional President & Business Director (Consumer Biosolutions) Novozymes



Tanushree Garg
Senior Director Technology MAERSK



Manoj Kumar
Co-Founder & CEO Social Alpha



Sharad Sharma
Co-Founder iSPiRT Foundation



Ravi Sunderrajan
Managing Director Zacco India R&D Private Limited

NORTH-RHINE WESTPHALIA (NRW): NEXGEN-TECH FOR SUSTAINABILITY

Mr. Achim Burkart, Consul General, German Consulate Bengaluru spoke about how organizations should overcome the carbon emissions, be profitable and deliver innovation. Technology is shaping sustainability and enabling advanced levels of productivity and efficiency. NRW is an innovative powerhouse with the highest density of large companies, startups and universities in Germany.

Representatives from Germany spoke about the Digi Hub, a digital innovation hub by the economic affairs industry, climate change and energy in Dusseldorf. They are an accelerator for start-ups and enable them to develop economic, sustainable and innovative solutions for business models and programs.

SPEAKERS



Achim Burkart
Consul General German Consulate General Bengaluru



Felix Neugart
Chief Executive Officer NRW.Global Business



Dr. Tobias Traupel
Director General European, Legal & Foreign Trade Department Ministry of Economic Affairs, Industry



Andrea Hendrix
Country Head / Executive Board Member Infosys Germany / Infosys Global Business



Ambika Banotra
Chief Representative, NRW Global Business India NRW. Global Business



Nicole Karuvallil
International Relationship & Project Manager digihub Digital Innovation Hub Düsseldorf/Rheinland GmbH



Harish Shenoy
Director Plastic Fischer India



Benjamin Pfrang
Head, RWTH Aachen University India Office RWTH Aachen University

GERMANY: INNOVATION ODYSSEY- THE STORY OF BENGALURU AND BERLIN

The session hosted by Germany saw the coming together of startups in India and Germany, where the focus of the session was seen on consistent collaboration between Germany and Karnataka, paving way for innovation corridor ranging across multiple technologies and domains. The speakers also spoke about the presence of impeccable talent, importance of capital and innovative mindset to reap benefits of fruitful collaborations.

SPEAKERS



Achim Burkart
Consul General German Consulate General Bengaluru



Friedemann Lotz
Key Account Manager ICT Berlin Partner



Aurélien Elimane Guèye
Chief Executive Officer Medigo GmbH



Stoyan Halkaliev
Chief Executive Officer NursIT Institute GmbH



Martin Theobald
Chief Executive Officer NursIT Institute GmbH



Harish Sid Venkat
Global Account Manager Eva Drone Ports



Vanessa Rexin
Managing Director & Co-Founder LAEMON



Amrita Gandikota
Founder, German Chancellor Fellow 21-22
PrimedInFabrik

UK: THE FUTURE OF UK INDIA TELECOM PARTNERSHIP

The session gave a snapshot of the UK's innovation and technology, so the panel went on to discuss the opportunities and challenges faced by the country. The speakers discussed how data is driving investments in the 5G networks, giving clarity on the vitality of data traffic and ways to handle data. A 5G system is possible through consistent collaboration with an active network of academic institutions, industries and government policies. The panelists shared their opinion on open RANs (Radio Access Networks), where they delved deeper on how an open RAN brings together the IT community more broadly into the telecom networks and ways of controlling and regulating it under governance and security provisions.

SPEAKERS



KT Rajan
Cluster Head - Technology & Innovation
British Deputy High Commission Bengaluru



Prof. K V S Hari
ECE & Chief Project Executive, BTIRC Indian Institute of Science (IISc)



Gnanapriya Chidambaranathan
Associate Vice President Unit Technology Officer Infosys



Dr. Mike Short CBE
DIT Chief Scientific Adviser
Department for International Trade



Tim Kay
Director – Technology
Department for International Trade

SOUTH KOREA: AEROSPACE R&D AND INDUSTRY IN SOUTH KOREA

The session hosted by South Korea highlighted the country's key achievements in space development and clearly established the call for collaboration with India in areas of data sharing, deep space exploration, participation from private players to foster the space industry that involves international collaborative measures. The speakers in the panel utilized BTS as a platform to collaborate on innovative, cutting-edge technologies for development of space tech and international solidarity and cooperation.

SPEAKER



Dr. Jong-Bum Kim
Principal Researcher
Korea Aerospace Research Institute

SWITZERLAND : INDO-SWISS TECH BY NEXTGEN

Swissnex in India forges bilateral collaborations between India and Switzerland across academia, startup and industrial milieus. At the Switzerland session, Academia Industry Training (AIT) program introduced ten Swiss and six Indian startups who spoke of their innovative solutions and products that were in the areas of CleanTech, Medtech, and Life Sciences. The startups further went on to speak about how their solutions are beneficial for the Indian Markets. The purpose of the session was to connect the startups to the innovation ecosystems of Karnataka.

SPEAKERS



Jonas Brunschwig
CEO & Consul General
Swissnex India

Venkat Gourishankar
Founder & CEO
Simulatory

Gnanli Landrou
Co-Founder
Oxara

Florin Müller
Head, Swiss Business
Hub, India

Matteo Cornaglia
CEO & Founder
Nagi Bioscience

Dr. Sawsane Queloz
Principal CEO
TOSA Swisstech

Rajesh Jayachandran
Co-Founder & CSO
Nextimmune AG

Anand Verma
Founder & CEO
Perovskia Solar

Anna Krammer
Co-Founder
Solaxer

Ana Hernando Ariza
COO & Co-Founder
Bionomous

Panagiotis Martakis
Co-Founder
Seismohealth

Satyanarayanan AR
Founder & CEO
Embright Infotech

Prachi Kharb
COO
Life and Limb

Vishwali Padole
Founder
WeRehab Technologies

Sarthak Gupta
Co-Founder & CEO
NovoEarth

SWEDEN: SUSTAINABILITY IN OUTER SPACE POWERED BY DIGITAL TECHNOLOGIES

The panel hosted by Sweden highlighted the well-established Indo-Sweden relationship, especially in the field of outer space co-operation and emphasized on further consolidation of this relationship in the domain of outer space. The session stressed on the importance of being sustainable not only on Earth but also in the outer space. The speakers drove the idea of Sweden and India using new tech innovations in outer space for tackling global challenges like climate change and meeting sustainable development goals to co-create a sustainable outer space and Earth.

SPEAKERS



Cecilia Oskarsson
Sweden Trade & Invest
Commissioner to India
Business Sweden



Christian Kamill
Deputy Head of Mission
Embassy of Sweden
New Delhi



Stefan Gustafsson
Senior Vice President Strategy
& Sustainability
Swedish Space Corporation



Laxmesh BH
Head of Missiles &
Aerospace Business
Larsen & Toubro



A K Anil Kumar
Associate Director
ISTRAC
ISRO



Vinod Kumar
Director
IN-SPACe

JAPAN: INDIA AND JAPAN CO-CREATING SOLUTIONS FOR THE DIGITAL WORLD

The Japan session focused on India and Japan's relationship on co-creating solutions together for the Digital World. The panelists emphasised on start-ups and collaboration between Japanese and Indian companies as well as a presentation from two big companies, Panasonic Life Solutions and DENSO from Japan based in Bengaluru, who spoke about their journey, idea of sustainability, present sustainable solutions, and current challenges the world is facing along with the importance of collaboration to move forward towards a clean and green planet.

SPEAKERS



Tsutomu Nakane
Consul General
Consulate General of
Japan in Bengaluru



Dinesh Aggarwal
Joint Managing Director
Panasonic Electric Works India
Panasonic Life Solutions India Pvt. Ltd.



Masanori Kurita
Head of Research & Development
Panasonic Electric Works India
Panasonic Life Solutions India
Pvt. Ltd.



Tsuyoshi Morimoto
General Manager
DENSO International India Pvt. Ltd



Yuna Natsumi
Director
JETRO Bengaluru



Toshihiro Mizutani
Director General
JETRO Bengaluru

THE NETHERLANDS: FARMING THE FUTURE: INDO-DUTCH INNOVATIONS IN AGRICULTURE

The Netherlands is a strong partner to India in the innovation and technology domain and this view was the key issue during the session hosted by The Netherlands. The session's topic-Indo-Dutch innovations in the field of agriculture was seen essential by the panelists because sustainable agriculture practices are being developed using new technologies due to close co-operation between both the countries & Karnataka and The Netherlands. This assimilation of new technologies and booming of Agri-tech startups is helping farmers make better decisions and earn a good income.

SPEAKERS



Ewout de Wit
Consul General
Consulate General of the Netherlands in
Bengaluru



Michiel van Erkel
Agricultural Counselor
Embassy of the Kingdom of the
Netherlands in India and Sri Lanka



Anesh Kisoen
Business Advisor Tech & Founder
Digital Soft Landing Program
The Hague Business Agency

EUROPEAN UNION: EU INDIA INNOVATION COOPERATION IN THE BIOFUELS SECTOR

European Union (EU) conducted a session on the EU India Innovation Cooperation in the Biofuels Sector. The main theme of the session was on how to scale the production of biofuels, with focus on sustainable aviation fuels and biofuels for the maritime sector. EU has funding of €20 million to invest on research, initiatives and funding in biofuels. As both India and Europe have contributed significantly to this sector and want solutions to the same problems, there are opportunities for India and EU to work together and grow the supply of biofuels. It was also highlighted that EU is also an agriculture economy, and employs a large number of people in the sector.

SPEAKERS



Pierrick Fillon Ashida
First Counsellor, Head of Section Research &
Innovation, European Commission Directorate
General for Research & Innovation (DG R&I)



Leena Pishe Thomas
Director
Global Business Inroads (GBI)



Patrick Crehan
Founder Director
CKA (Crehan, Kusano & Associates) SRL



Dr. Balakrishna Gowda
Professor and Project Coordinator
Biofuel Park
India



Ramakrishna VB
Member - Working Group on
Biofuels Ministry of Petroleum &
Natural Gas

ISRAEL: MEDI TECH & INNOVATION

Israel conducted a session focused on future looking innovations in the health care sector, as 4 Israeli start-ups--Ivory Graft, Ice Cure, Healables and Nanose Medical, presented their products. The panelists spoke about their products which have been developed using cutting-edge technology and are revolutionising health tech space. The speakers also furthered the agenda of collaboration with India in the field of medical technology along with expansionary plans in the Indian market.

SPEAKERS



Tammy Ben-Haim
Consul General of Israel to South India
Consulate General of Israel



Eyal Miller
CEO
Ivory Graft



Tlalit Bussi Tel-Tzure
VP of Business Development &
Global Marketing
IceCure



Ilay Marom
COO
Nanose Medical



Marco van der Putten Landau
CBD0 Strategic Partnerships
Healables Digital Health

LITHUANIA: HI-TECH LITHUANIA DOING BIG IN INDIA OPPORTUNITIES FOR BUSINESS & INNOVATION

The panelists in this session agreed that currently India and Lithuania are embarking and growing partners for both trade and investment. Lithuania stressed upon scaling cooperation with India in areas of life sciences, biotech, ICT among other technologies to begin with. Furthermore, two companies Teltonika India and Neurotechnology Lab India Private Limited came together to describe in detail the work they do, the use cases in the Indian scenario and potential for further collaboration with Karnataka.

SPEAKERS



Nishad Ali
Chief Executive Officer
Teltonika India



Leena Pishe Thomas
Director
Global Business Inroads (GBI)



Sandeep Mohanta
Director
Neurotechnology Lab India Private
Limited

POLAND AND THAILAND GLIMPSE OF THE INNOVATIVE ECOSYSTEM

The panelists in the session spoke in detail about the rich, vibrant innovation culture of Poland, making it a fertile ground for development of advanced technologies. The idea of strengthening business ties and collaboration between India and Poland echoed throughout the session.

The session conducted by Thailand emphasised on regulations pertaining to conducting business in Thailand, building innovation centric infrastructure to achieve new partnerships and collaboration, leading to better visibility in the global innovation ecosystem.

SPEAKERS



Raghu Rajappa
Honorary Consulate of the Republic of Poland in Bengaluru



Irzyk Damian
Consul General of the Republic of Poland, Consulate General of the Republic of Poland, Mumbai



Ada Dyndo
President of WICCI's India-EU Business Council and Principal Consultant of European Business & Technology Centre



Pipat Pichetjumroen
Director of Thai Startup Trade Association (TSTA), TSTA



Pongsathorn Chotikasemri
Chief Executive Officer Welala Co. Ltd
Perada Suponpun
Chief Executive Officer Tasted Better (Thailand) Limited



SHAPING THE FUTURE WITH EXPONENTIALS

The panelists discussed the potential of exponential technologies like Metaverse, Synthetic Biology, Quantum computing and Spacetech. The speakers also addressed risks and challenges of ecosystem disruptions and need for responsible innovations. It was envisaged that Exponential technologies, as opposed to linear technologies, indicates accelerated and exponential opportunities for innovation. Technologies such as AI, cloud, sensor/IoT and augmented and virtual reality are changing the way we think and experience the world around us. From a policy perspective, panelists pointed out the need to work on DPG to focus towards adoption of technology, encouraging social entrepreneurship, skill and digital learning and sharing best practices.

MODERATOR



Purushottam Kaushik
Head, C4IR India
World Economic Forum



Koushik Ragavan
Director - AIML & DataScience, Micron Technology Operations India LLP



Shashi Bhushan
VP & CTO
Enterprise Growth Business, TCS



Raja Roy
VP
Head of Digital Transformation
Tech Mahindra



Shyam Kumar Doddavula
VP - Principal Product Architect
Infosys



Alok Medikepura Anil
Director
Next Big Group



Prof. Debabrata Das
Director
IIITB
Dr. Clare Walsh
Head of Education IOT
Institute of Analytics

SPEAKERS

The panelists discussed the potential of exponential technologies like Metaverse, Synthetic Biology, Quantum computing and Spacetech. The speakers also addressed risks and challenges of ecosystem disruptions and need for responsible innovations. It was envisaged that Exponential technologies, as opposed to linear technologies, indicates accelerated and exponential opportunities for innovation. Technologies such as AI, cloud, sensor/IoT and augmented and virtual reality are changing the way we think and experience the world around us. From a policy perspective, panelists pointed out the need to work on DPG to focus towards adoption of technology, encouraging social entrepreneurship, skill and digital learning and sharing best practices.

INDIA - US TECH CONCLAVE

OPENING REMARKS AND PANEL ON A QUAD STRATEGIC TECHNOLOGY UPDATE PARTNERSHIP FOR THE CENTURY

The Opening remarks was given by Ms. Ambika Sharma, MD, USIBC India detailing the sessions covered in this Conclave and about the India-US partnership. The Hon'ble Minister Dr. C.N. Ashwath Narayan and U.S. Consul General in Chennai Ms. Judith Ravin emphasized that the U.S.-India strategic relationship continues to deepen and expand via the economic partnership in a wide range of Science & Technology fields.

The panel shared insights on the cruciality of the semiconductor, cyber, space and quantum in the future of the Indo-US technology relationship. The Quad and the bilateral iCET mission cover cyber, AI, 5G/6G communications, space hardware, biotechnology and quantum applications. It was felt that the strategic relationship deepened with the announcement of collaboration between National Science Foundation and the Indian science and technological ecosystem.

OPENING SESSION



Dr C N Ashwath Narayan
Ministry for Electronics, Information Technology, Biotechnology, Science and Technology, Higher Education, Skill development, Entrepreneurship and Livelihood, GoK



Judith Ravin
US Consul General
Chennai



Ambika Sharma
Managing Director
USIBC, India

MODERATOR



Jay Gullish
Executive Director
USIBC



Chantal Lakatose Alcantara
Senior Director
Government Affairs
LAM Research

SPEAKERS



Dr. Rohini Srivatsa
National Technology Officer
Microsoft



Kranthi Chand
Head, Strategy & Special Projects
Dhruva Space

MOU SIGNING BETWEEN USIBC & USAID

TECHNOLOGY AS A KEY DRIVING FORCE FOR INDIA'S INCLUSIVE DEVELOPMENT

USAID, represented by Veena Reddy, Mission Director and USIBC, represented by Ambika Sharma, Managing Director, announced an MOU that will form a working group that will evaluate models for digital inclusion particularly to bridge the gender digital divide. These can be produced in India and replicated worldwide. Technology, the panels emphasized, offer tools that need people, institutions and communities to maximize value. Gender gaps cost the globe trillions of dollars in economic value, and an incalculable amount for towards social good. The panel members discussed specific actions and programs to make digital transformation more inclusive by including people in the process.

MODERATOR



Tobby Simon
Founder & President
Synergia Foundation

SPEAKERS



Veena Reddy
Mission Director
USAID



Geeta Gurnani
CTO & Technical Sales Leader, IBM India



Sudhir Rao
Managing Partner
Celesta Capital



Gopal Madabhushi
Senior Vice President & South Asia Business Leader
Veolia Water Technologies & Solutions

▪ INDIA - US TECH CONCLAVE ▪

DIGITAL HEALTH CHANGING THE COURSE OF HEALTHCARE INNOVATION WITH ADOPTION, EVIDENCE AND REGULATION AS KEY DRIVERS

The success story of one Indian Platform XoXo provided the lessons learned about how other Indian SaaS providers can be successful in the face of sameness, commoditization & me-too competition. While address by Nirvuti Rai focused on Digital Health Changing the Course of Healthcare Innovation providing a segue to an expert discussion on how digitization is revolutionizing health care, enabling health outcomes via patient reporting, and records keeping for radiographs, pathology images, etc. along with diagnostic tools available on mobiles and tablets. There are also Improvements in telemedicine, vaccine inventory management, effective healthcare delivery and expanding access advances in AI applications that help clinical decision-making.

LEAD TALK



Manoj Agarwal
Co-Founder
XoxoDay



Nirvuti Rai
Country Head
Intel India and VP
Intel Foundry Services



Bagmiska Puhan
Associate Partner,
Digital Health
TMT Law Practice



Rupam Chaudhury
Global Head of IoT &
Digital Engineering
TCS



Santosh Salimati
Principal Architect
Google Cloud



Murali Badrinarayanan
Managing Director &
Lead-Health Practice
Accenture's Advanced
Technology Centers in India
(ATCI)



Arvind Kumar Pandian
Project Manager
Strategic Partnerships,
Digital Health
USAID



**Ashvin Dharamavaram
Bhogendra**
Senior Director
Commercial Excellence
Axtria

SPEAKERS

▪ INDIA - US TECH CONCLAVE ▪

AUGMENTING AND CO CREATING IP THROUGH US INDIA PARTNERSHIP

The expert panel applauded the efforts that the India-US technology collaborations has been effective and existing since many decades. Out of box innovations are coming through start-ups. They have been collaborating with international partners in the healthcare space and many US companies wants to work with these startups, invest more in India. However, they would also prefer for a robust IP system to be in place. A strong IP regime protects and motivates start-ups and gives them the necessary edge to attract collaboration and co-create IP. The experts of the IP panel felt that a continuous upgradation is required in the existing IP regime and keep pace with new innovations happening globally, such as CRISPR technology, which has immense potential, but India is yet to gain traction there.

MODERATOR



Ravi Bhola
Partner & Patent Chair
Digital Health
K&S Partners



John Cabeca
U.S. Intellectual Property
Counselor for South Asia Embassy
of the United States of America
New Delhi



Dr. Malathi Lakshmikumaran
Director
Lakshmikumaran &
Sridharan Attorneys



Dr. D Usha Rao
Asst Controller General Patents
Trade Marks & Copyrights
Government of India



Vipul Srivastava
Advisor
Bycara Therapeutics



Dr Chaitra Harsha
Chairperson
Vipragen Biosciences

SPEAKERS

THE REALITY OF THE METAVERSE: COMMERCE, ETHICS, SECURITY, AND SAFETY

There is much excitement around the Metaverse and the transformative nature of the immersive experience that innovates new games, training, and communications products, as well as the advance equipment driving spatial audio, 3D visuals and tactical experiences. The Metaverse creates totally new cybersecurity and safety issues – requiring changes in both how to push of these technologies as well as how people learn to utilize them.

MODERATOR



Dileep Srihari
VP & Senior Policy Counsel
Access Partnership



Girish Menon
Chief Strategy Officer
JetSynthesys



Uthara Ganesh
Head of Public Policy
Snap Inc



Kamal Dutta
Chief Executive Officer
ByteEdge



Sunil Abraham
Public Policy Director
Data Economy & Emerging Tech
Meta



Dr Subhashis Sengupta
MD, Accenture Technology Labs
& Head of Technology Innovation
for Growth Markets

SPEAKERS

WHAT INDIA NEEDS, TO BECOME A THRIVING HEALTHCARE R&D HUB

The experts felt that India should make a targeted investments in R&D space from both government as well as private sectors. Life sciences R&D being highly capital intensive and time consuming government should de-risk it. Targeted investments in emerging areas of medical products and advanced molecular therapeutics are required for India to emerge as a serious player to contribute to global product pipeline. It was also observed that Research Linked Incentive (RLI) scheme should be created just like government's PLI which can together act as an enabler to make India the R&D hub that will also support product design and improvement and will in turn boost, as well sustain manufacturing in the long run.

MODERATOR



Dr. Vibhav Garg
Director
Health Economics & Govt Affairs,
India HUB & ASEAN
Boston Scientific



Dr. Mahesh Bhalgat
Chief Operating Officer
Syngene International Limited



Ayan Choudhury
Vice President
Imaging System Software, GE
Healthcare (C)



Ram Rangarajan
Vice President & Head R&D
Stryker Global Technology
Centre



Dr. Manish Diwan
Head - Strategy Partnership
& Entrepreneurship Development
BIRAC

MEETINGS & NETWORKING



Meetings held with **Global Innovation Alliance Partners** by **Shri Basavaraj S. Bommai**, Hon'ble Chief Minister of Karnataka and **Dr. C.N. Ashwath Narayan**, Hon'ble Minister, Department of Electronics, IT Bt and S&T, Skill Development, Entrepreneurship and Livelihood.

Australia



Meeting with Australia's delegation led by H.E. Tim Watts, Assistant Minister for Foreign Affairs, Member of Parliament and H.E. Barry O'Farrell, Australia High Commissioner to India.

United Arab Emirates (UAE)



Meeting held with United Arab Emirates's delegation led by H.E. Omar Sultan Al Olama, Minister of State for Artificial intelligence, Digital Economy and Remote Work Applications.



The Netherlands



Meeting held with The Netherlands delegation led by H.E. Marten Van Den Berg, Ambassador to India and further build on the existing relationship with Singapore

Denmark



Meeting held with Denmark's delegation led by Eske Bo Knudsen Rosenberg, Consul General of Denmark in Bengaluru. Id and further build on the existing relationship with Singapore

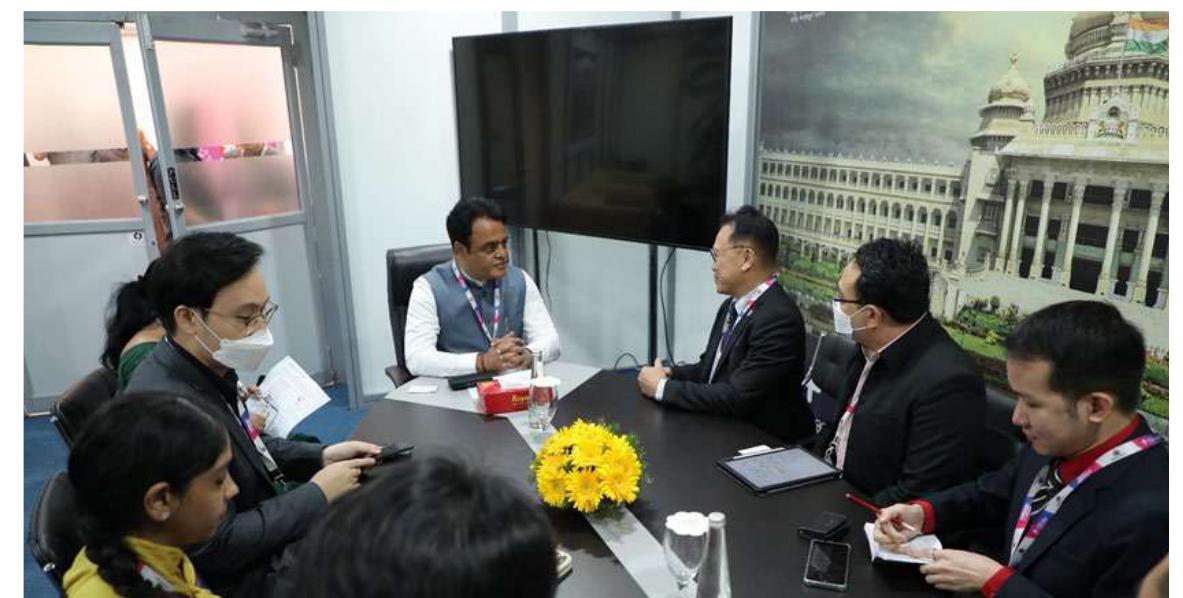
The United Kingdom



Meeting held with United Kingdom's delegation led by Alan Gemmel, His Majesty's Trade Commissioner for South Asia

Meetings were also held with delegations from Singapore and Finland

Thailand Delegation Meet



Thailand's Delegation led by Nitirooge Phoneprasert - Consul General, Royal Thai Consulate-General expressed keen interest to be part of the Global Innovation Alliance and work closely with start-ups in the State.

Israel Delegation Meet



Dr. Taslimarif Saiyed, CEO and Director of C-CAMP and Ms. Tammy Ben-Haim, Consul General of Israel to South India Bangalore conducted a roundtable session to discuss important ventures to collaborate in the area of med-tech and innovation. 8 Indian med-tech/health tech startups and 4 Israeli med-tech startups participated in the discussion

EU Delegation Meet



EU delegation led by Pierrick Fillion-Ashida, Head, Research & Innovation, discussed how Horizon Europe can collaborate with the Government of Karnataka in the area of biofuels and joint exchange program with Karnataka Education Department on environment development.

IESA Meet



Conducted Round Table meeting with Hon'ble Union Minister Rajeev Chandrasekhar, GIA Partners and Industry Representatives and discussed various collaborative programmes and initiatives to promote ESDM /Electronics Sector in India



A roundtable session was conducted by NASSCOM with GIA Partner countries and industry heads to discuss areas of collaboration in the areas of: Citizen-Centric Digital Economy, Talent and Sustainability.

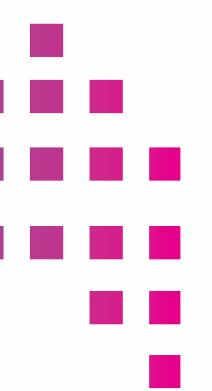


MoU Signing with Google to support the startup ecosystem of Karnataka.

IACC Meet



Meeting held with Indo-Australian Chamber of Commerce leadership to discuss mechanisms to strengthen and support Australia Karnataka Govt-Industry collaboration, growth and investment.



B2B Partnering @ Bengaluru Tech Summit 2022

During the three days of Bengaluru Tech Summit 2022, an advanced AI based B2B partnering tool - InterlinX was used by the registered delegates to schedule the targeted meetings with potential partners and collaborators from IT, Electronics, Biotech industry and R&D Institutions.

Total 18,139 meetings requests were exchanged and total of 2563 interactions happened through Physical meetings at B2B Zone / Exhibition booth or through Contact Exchanged for further dialogue during the three days of the summit.



BEYOND BENGALURU

Karnataka Digital Economy Mission (KDEM), Has Been Spearheading The Beyond Bengaluru Mission Through Its 3 Emerging Tech Clusters - Mysuru, Mangaluru & Hubballi-Dharwad-Belgaum (Hdb).

KDEM recently hosted a roadshow “Techceleration” at Hubballi and “The Big Tech Show” at Mysuru. The aim of this roadshow was to spread awareness of the sector and promote the ecosystem Beyond Bengaluru. As a part of this expedition, the following activities were executed.

- Beyond Bengaluru BLUE - Start-ups from the cluster, pitching their product/service to a group of investors
- Women @ Work (W@W) - A conclave to bring awareness on the importance of women in workforce, both entrepreneurship and service.
- CEO roundtable - A closed door meeting to take feedback from industry and to set roadmaps for these clusters
- Walkathon - an awareness programme with 500 participants from industry, academia, media



Conference

Full day conference with various panel discussions, keynote addresses, and fireside chats by the prominent industry voices, academic leaders, Consul Generals of Global Innovation Alliance (Country partners) to Government of Karnataka etc. was organized.

Key outcomes

- Potential 100+ companies in the pipeline to setup their business across these tech clusters in the next 24 months
- Setting up CoE for AI, Data Engineering, Agritech, Foodtech
- Establishing common manufacturing facilities for ESDM
- Creation of Hubballi Cluster Venture Fund
- Securing 11 Lols from the industry
- Funding of 80+ startups, 65+ trademarks registered, generation of 4500+ jobs by startups, 90+ IPs filed, more than 30% women entrepreneurs in HDB cluster
- Operationalisation of 6+ accelerator centers to help scale up and support startups
- First ever Metaverse CoE in Mysuru is set up
- GCCs like Kyndryl, IBM, Infosys, HGS, Cashfree, Niveus, Proxelera, ThirdEye have been expanding their roots across these tech clusters
- Setup of Startup grid across the state to accelerate their growth

BEYOND BENGALURU

The 25th edition of Bengaluru Tech Summit provided an opportunity for the Beyond Bengaluru startups to interact with International delegations and the Global Innovation Alliance partners from Berlin, Israel, EU region and Switzerland.

The discussion with Berlin, detailed how start-ups and organizations based in Berlin and Karnataka could access each other's markets; with Israel - Hebrew University focus was on Joint skilling and upgrading talent; with EU-India InnoCenter, focus was on soft-landing for European start-ups and building significant long-term partnerships and with Switzerland, keen interest to work closely in areas of deep tech, infra, IT and Beyond Bengaluru.

On the final day of the Bengaluru Tech Summit 2022, a power-packed session of Beyond Bengaluru was organized. The session highlighted the Mission of Beyond Bengaluru initiative and its role as the emerging innovation hub of India. The session touched upon the Beyond Bengaluru Clusters and introduced the new ‘Partners in Progress’ of the Beyond Bengaluru initiative. The event concluded with a highly energizing and informative address by Hon’ble Minister Dr. Ashwath Narayan C N and a panel discussion moderated by Sanjeev Kumar Gupta, CEO of KDEM that shed light on the accomplishments of the Beyond Bengaluru initiative and the road map for the future!

In addition to the conference sessions and B2B meetings, about 20 startups across the 3 clusters set up their pavilion at BTS 2022, the outcome of which was that every startup received over 50 good business leads across the 3 days of power packed expo; over 300 meetings were executed and over 3 startups received potential investment opportunities from Angels, VCs.



EXHIBITION AS BUSINESS PLATFORM

585 EXHIBITORS • **25738** BUSINESS VISITORS



R&D LAB TO MARKET



R&D Lab to Market pavilion hosted leading R&D labs of India which showcased their technologies & original IP that had the potential to venture into the market as products & services that could create significant social impact & reduce import dependence. India's premier R&D institutes including CSIR Labs, ICMR Labs, DRDO Labs, C-DAC, C-DOT, NAL, IIAP, ISRO, IIIT-B, and BIRAC were part of R&D Lab to Market pavilion at the exhibition.

STATES OF INDIA



CORP. & INDUSTRIES



Leading ITC and Biotech majors as well as SMEs including Infosys, Biocon, Robert Bosch, Accenture, Shell Technology, Kyndryl, Micron Technology, Builder.ai, Zoho Corporation, Greendzine, KED Technologies, MethodHub, Strand Life Science, Aurigene Discovery, Norwiche Clinical Research, Immuneel Therapeutics, String Bio, Medgenome Labs, Labzone, Maple Labs, Sniper Systems, Mitibase, BD Software, Yokogawa, Razorpay, Cashfree, Paytm, SearchBox, Nextwealth, participated.



STARTUPS ZONE



Start-ups zone had 353 exhibitors from diverse sectors such as IT, Electronics, AI & ML, IoT, Digital Learning, Mobility, Blockchain, Robo & Drone, Cyber Security, Gaming, Health-Tech, Fintech, Edutech, Smart Tech & Agri Tech along with pavilions of I-Biom, BBC, BIRAC, KDEM, IKEP, Kerala Startup Mission and Brigade REAP from 19 cities of India



INTERNATIONAL PAVILIONS



The International Pavilion consisted of exhibitors from various countries including USA, Canada, Germany, Netherlands, Britain, Denmark, Thailand and South Korea.



ASSOCIATION PAVILIONS



Industry Pavilions of STPI, ELCIA, VoICE and ABLE showcased their members from across India including Corporates and SMEs.



PRODUCT LAUNCHES AND DEMO

BOOSTER KIT: Dr. Ashwath Narayan C. N., Hon'ble Minister of Electronics, IT, Bt and S&T, GoK launched the Booster Kit in partnership with Google, Paytm, HDFC, Razorpay, Microsoft & other Ecosystem Partners to provide a gamut of pro bono services to further assist the startups in their growth journey.



START-UP PRODUCT / SERVICES LAUNCH: Dr. Ashwath Narayan C. N., Hon'ble Minister of Electronics, IT, Bt and S&T, GoK also launched 21 innovative products/solutions by startups. The innovative products/solutions developed are multi-disciplinary and are sector-agnostic. Out of the 21 startups, 3 are Women-led startups. Majority of the startups are incubated in Innovation Hubs, Centres of Excellence (CoEs) and Technology Business Incubators (TBIs) supported by GoK and anchored by C-CAMP, IISc & associations like NASSCOM and IAMAI.



Workshops and Product launches : Many Workshops that gave practical insights were also conducted during the three days summit- USPTO's Educational IP Workshop, 1 Verse's Metaverse workshop, Deeprio, Next Big Innovation Lab's 3D Bio Printing Machine etc.

EXHIBITOR AWARDS: Exhibitor Awards were presented to companies with displays of most creative & innovative design and best Content & information. These awards were presented by Shri. Basavaraj S. Bommai, Hon'ble Chief Minister of Karnataka and Shri. Piyush Goyal, Hon'ble Minister of Commerce and Industry, Govt. of India. BTS 2022 exhibition had 585 organizations including 351 Startups from across diverse sectors who showcased their products and services.



National Rural IT Quiz

The Rural IT Quiz is conducted by Department of Electronics, IT, BT and S&T, GoK in partnership with Tata Consultancy Services (TCS) as part of the BTS event. The program was initiated in the year 2000 by Government of Karnataka & TCS and has reached over 18 million students till date. The Rural IT Quiz takes the gamified approach to enhance IT awareness amongst students at the grassroots, keeping them abreast of the latest developments in the world of Information Technology. The 23rd edition was held this year with participation of 4.5 Lakh students from 28 States and 5 Union Territories representing 350 districts. Students from as far as Lakshadweep, J&K, Arunachal Pradesh, Assam, Manipur & Nagaland also participated in event, further expanding the footprint of the programme.

2 Winners out of 8 finalists are as follows:

Winner - Sreenand Sudheesh, GMHSS Calicut University, Kerala- 1 Lakh Prize Money.

Runner-Up - Vivek, Swami Vivekanand Govt. Model School, Suratgarh, Rajasthan.



National Bio Quiz

The India Bio@BTS has been hosting Bio Quiz competition with an objective to create awareness about the fascinating world of Biotechnology and encourage students to delve deep into the subject in a holistic manner. On the occasion of the Silver Jubilee edition of Tech Summit it was decided to take the 15th edition of state Bio Quiz competition to National Level offering an opportunity to showcase to the world, the talent of our country in the fast growing area of Biotechnology.

The national Bio Quiz attracted pan India participation of 1198 talented students from 24 states.

Winners:

1st Winner - South Zone - Mythili Padavu, Manipal School of Life Sciences, Manipal, Karnataka | Prize Money - Rs. 50,000.

2nd Winner - North Zone - Ishika Agrawal, Motilal Nehru National Institute of Technology, Allahabad, Uttar Pradesh | Prize Money - Rs. 25,000.

3rd Winner - East Zone - Saheli Basu Roy, Asutosh College, Kolkata, West Bengal | Prize Money - Rs. 15,000.

4th Winner - West Zone - Jahnavee Palsodkar, Institute of Bioinformatics and Biotechnology, SPPU, Pune, Maharashtra | Prize Money - Rs. 10,000.



Biotech Posters- Walkway of Discovery

- Popular amongst Young Researchers, Poster Session showcases innovative ideas, outstanding research, ground-breaking studies undertaken by young minds from Research Institutes and Universities that have the potential to make a significant impact in the field of Life Sciences & Biotechnology.
- This season Biotech Posters from 104 Young Researchers were presented at the Walkway of Discovery session.
- Some of the prominent Institutions/Universities includes ICAR, Amity University, GITAM University, Bangalore University, Biocon Academy, Ramaiah University, RVCE, Indian Institute of Science, JAIN University, Garden City University, Anna University, REVA University, Manipal School of Life Sciences etc.



Winners

Mr. Adel Zaid I. Mutahar, University of Mysore.
Mr. Udaya Ravi, Padmashree Institute of Management and Sciences.
Dr. Fazilath Uzma, Bangalore University, Bangalore.
Ms. Sushma Indrakumar, Indian Institute of Science.
Dr. Shivaleela V B, BEC - STEP.

Top 5 winner prized
Rs. 20,000/- each



» Silver Jubilee Felicitation

The 25th edition of Summit witnessed felicitation of 35 enterprises which have completed over 25 years of their presence in Bengaluru and have immensely contributed towards building the IT, Electronics & Biotech ecosystem in the state. They have indeed been instrumental in placing Bengaluru and India on the global tech map. The Felicitation Function was graced by Shri. Basavaraj S. Bommai, Hon'ble Chief Minister of Karnataka and Dr. C.N. Ashwath Narayan, Hon'ble Minister for Electronics, IT & Bt, Science and Technology, Higher Education, Skill development, Entrepreneurship and Livelihood, Government of Karnataka. The evening was concluded with a Hindustani instrumental concert by the renowned artists followed by networking dinner.

INFORMATION TECHNOLOGY

1. Wipro
2. ANZ Operations and Technology
3. Microland
4. Tata Elxsi
5. AXISCADES Technologies
6. Mercedes-Benz Research and Development India
7. Oracle
8. Infosys
9. Philips Innovation Campus
10. Quest Global Engineering Services
11. Bosch Global Software Technology
12. Texas Instruments
13. Mphasis
14. Honeywell India
15. Siemens Technology Services
16. John F Welch Technology Centre
17. Sasken Technologies
18. Nokia
19. IBM India
20. Tally Solutions
21. TCS
22. Sonata Software

ITPL & IIIT-B

1. ITPL (Capitaland India)
2. International Institute of Information Technology (IIIT-B)



SEMICONDUCTOR & ELECTRONICS

1. Intel India
2. Cadence Design Systems
3. Synopsys India
4. Analog Devices India
5. Accord Software & Systems

BIOTECH

1. Novozymes South Asia
2. Novo Nordisk India
3. Bhat Biotech
4. Biocon
5. Kemwell Biopharma
6. Syngene International



➤ STPI IT Export Awards - Karnataka: 2021-22

STPI is associated with Bengaluru Tech Summit since its inception in 1998 and over the years STPI IT Export Awards have become a major highlight of the event. IT companies are being recognized by STPI for their performance and contribution to IT industry by awarding them in different categories. Accordingly, for the year 2021-22, the top performing IT companies in terms of Exports, Employment, Women Employment, etc. were awarded on 17th Nov 2022 evening in a grand STPI IT Export Awards -2022 Ceremony, during Bengaluru Tech Summit 2022. An eminent jury consisted of members from STPI, Government of Karnataka, Academia, Industry Association and Industry.

The awards were given away by the Chief Guest Dr. C N Ashwath Narayan, Hon'ble Minister for Electronics, IT, Bt and S&T; Higher Education; Skills, Entrepreneurship and Livelihood in the august presence of Shri. Kris Gopalakrishnan, Chairman, Vision Group on Information Technology; Dr. E V Ramana Reddy, Additional Chief Secretary, Department of Electronics, IT, Bt and S & T; Shri Arvind Kumar, Director General, STPI; Shri. Shailendra Kumar Tyagi, Director, STPI-Bengaluru and Smt. Meena Nagaraj, Director E, IT, BT and MD KITS.



DETAILS OF AWARDEES:

SN	CATEGORY OF AWARD	NAME OF THE COMPANY
1.	High Growth in Exports - IT/ITES (Exports greater than ₹5 cr. and up to ₹100 cr.)	Invenger Technologies
2.	High Growth in Exports - IT/ITES (Exports greater than ₹100 cr. and up to ₹1000 cr.)	Coforge
3.	High Growth in Exports - IT/ITES (Exports greater than ₹1000 cr. and up to ₹2000 cr.)	Mphasis
4.	Best Performer - IT/ITES :Mysuru Region	Excelsoft Technologies
5.	Best Performer - IT/ITES : Mangaluru Region	Diya Systems (Mangalore)
6.	Best Performer - IT/ITES : Hubballi Region	Sankalp Semiconductor
7.	Best Performer -Electronic Hardware Exports : Tier II & III Region	Kaynes Technology India ,Mysuru
8.	Best Performer - Electronic Hardware Exports : Bengaluru	Wipro GE Healthcare
9.	Highest New Jobs Creator - IT & High Growth in Women Employment - IT	Fidelity Information Services India
10.	Highest New Jobs Creator - ITES	TLG India
11.	Highest Exports per Employee - IT	Oracle Financial Services Software
12.	Highest Exports per Employee - ITES	AQR Capital India Services
13.	High Growth in Women Employment - ITES	Infosys BPM
14.	Woman Entrepreneur of the year - IT	Mrs. K Vijaya Pai, M/s. Invenger Technologies, Mangaluru

IT PRIDE OF KARNATAKA (Exports greater than ₹2000 cr. and up to ₹10000 cr.)

1. Accenture Solutions	8. IBM India	15. Samsung R&D Institute India - Bangalore
2. Amazon Development Centre (India)	9. JP Morgan Services India	16. SAP Labs India
3. Bosch Global Software Technologies	10. Juniper Networks India	17. Standard Chartered Global Business Services
4. Dell International Services India	11. Mercedes-Benz Research and Development India	18. Tata Consultancy Services
5. EIT Services India	12. Microsoft India (R&D)	19. Vmware Software India
6. Goldman Sachs Services	13. Mindtree	20. Wipro
7. HSBC Electronic Data Processing India	14. Qualcomm India	21. Schneider Electric IT Business (I) (EHTP)

IT RATNA OF KARNATAKA (Exports greater than ₹10000 cr.)

1. Infosys
2. Intel Technology India



» GREEN STARTUP PLEDGE



On the occasion of BTS 2022 Valedictory on 19th November 2022, the entire startup fraternity committed themselves to green technologies and took a pledge which became one of the major highlights of the event. The pledge was led by Prashant Prakash, Chair of Vision Group on Startups along with Starlene Sharma, Founding Partner, Green Artha Co-Founder of Social Change, ACT Grants; Anirban Mukherjee, Managing Director & Partner, BCG; Vivek Adhia, Associate Director, BCG; Government dignitaries on the stage and the audience. The aim of the Green Startup Pledge was to demonstrate India's Innovation and Climate Leadership.



The pledge, to secure India's climate and innovation leadership, was sworn to support setting ambitious goals to incorporate climate action within the business plans; to measure and manage emissions as startups ramp-up operations; to implement low-carbon initiatives in-line with UN global goals and India's long-term climate conditions including Lifestyle for Environment objectives and to neutralize residual emissions credibly.

Bengaluru

IMPACT AWARDS

Bengaluru takes pride in its well-deserved status as the startup capital of India. The First 40 out of 100 unicorns of India are housed in Bengaluru. Govt. of Karnataka has been taking every effort to nurture the startup eco system in the state. Thus, on the platform of Bengaluru Tech Summit start-ups of Karnataka who have flourished into unicorn and decacorn status in the last one year are felicitated and recognised with Bengaluru Impact Award.

This year 10 Unicorns and 3 Decacorns were felicitated in the august presence of Shri. Basavaraj S. Bommai, Hon'ble Chief Minister of Karnataka and Shri. Piyush Goyal, Hon'ble Minister of Commerce and Industry, Govt of India.

AWARDEES

UNICORNS

1. ACKO General Insurance
2. Amagi Media Labs
3. DealShare
4. Glance
5. LeadSquared
6. Livspace
7. Mensa Brands
8. No Broker
9. Open Financial Technologies
10. Slice

DECACORNS

1. Byju's
2. Swiggy
3. Flipkart



» SMART BIO AWARDS

The India Bio@BTS has been presenting Smart Bio Awards with an objective of recognizing biotechnology firms that have shown dynamic leadership, exciting technologies and stand-out contribution in their chosen fields of biotech activities.

These awards were presented by Shri. Basavaraj S. Bommai, Hon'ble Chief Minister of Karnataka and Shri. Piyush Goyal, Hon'ble Minister of Commerce and Industry, Govt. of India.

AWARD CATEGORIES

AWARD CATEGORIES	ORGANISATION
1. Biotech Startup of the year	Natura Crop Care
2. Innovator of the Year Award	Stempeutics Research
3. Best Social Enterprise/ Institute	Centre for Incubation, Innovation Research & Consultancy
4. Woman Entrepreneur of the Year	Mocxa Health
5. Best Startup Against COVID-19	Blackfrog Technologies

ORGANISATION

CENTRE FOR INCUBATION RESEARCH &
“Best Social Enterprise”





DECLARATION

- Develop Science & Technology Research centres into Universities.
- Setup a Startup Park nearer to Kempegowda International Airport, Bengaluru.
- Bring Synergy between Educational Institutions and IT, Bt and Science & Technology Sectors.
- Setup Modern Technological labs in 50 colleges across Karnataka.
- Bring about Greater Connectivity and Synergy between Institutions, R&D Centres and Industries for better Human Life.





Global Alliance Partner Meet



Interaction Meet scheduled with Industry captains and founders of Unicorns and Startup ecosystem held on 25th April ,2022, at Taj West End, Bengaluru.



Tuesday, 18th October 2022 • The Leela Palace, New Delhi



Interactive Press Meet held on 8th November at Hotel Shnagrica, Bengaluru



25th Bengaluru Tech Summit was promoted strategically through print, electronic, outdoor and digital medium reaching the diverse target groups. This resulted in excellent leads for participation, appropriate delegate registrations, high number of Exhibition visitors and above all tremendous interest and engagement amongst stakeholders.

Digital Reach

The digital campaign of BTS was unique, engaging and highly targeted. The Social media platforms were used effectively through topic specific postings. Appropriate tagging, promotion of conference topics, speakers, exhibitors, other highlights kept the conversation going and Influencer marketing helped build high traction to the event.

BTS is today one of the most engaging platforms, with high followers as compared to many well established B2B events and investment meets.



PRINT MEDIA - RUN-UP TO BTS 2022 ADVERTISEMENTS

Print Media has always been a strong media vehicle for BTS Publicity and this year was no exception being the 25th edition of the Tech Summit. The campaign kick-started well before 2 months with State centric and National insertion and then after the extensive campaign across Mainline, Business & Kannada Newspapers as run-up to the event was carried out. This magnificent campaign of **15,207 sqcm** ensured reach & provided impact that was required for the event of BTS stature. This Campaign had a good mix of All India, South India and Karnataka focused advertisements that garnered good publicity for the event.

Leading newspapers used across the campaigns were:

Times of India, Economic Times, Deccan Herald, Hindu Business Line, Dainik Bhaskar, Dainik Jagran, The New Indian Express, Kannada Prabha, Hosadigantha, Samyukta Karnataka, Vijayvani, Vijay Karnataka, Delhi Varte, Prajavani, Udayvani, Vishwavani, Udaykala etc.



PRINT MEDIA - ADVERTISEMENTS

The BTS print media campaign included an excellent mix of national and regional, mainline as well as business publications. The campaign was carried out in three phases with specific objectives of event awareness, generating leads and encouraging visitors to the exhibition and delegates to the conference.



GOVERNMENT OF KARNATAKA
Department of Electronics, IT, BT and S&T



Azadi ka Amrit Mahotsav

TECH FOR NEXGEN

A platform to meet, discuss, debate, showcase, invest, and partner

ATTEND CONFERENCE

India's most significant and interdisciplinary technology conference on ITe, Deep Tech, Biotech, Startup is all set with 350+ domain experts addressing 70+ sessions.

Start-Up Pavilion is an exciting showcase of IT, Electronics, AI & ML, IoT, Digital Learning, Mobility, Blockchain, Robo & Drone, Cyber Security, Gaming, HealthTech, Fintech & Agri Tech.

VISIT EXPO

India's largest tech exhibition is a confluence of IT & Biotech majors, Best of R&D Labs, Tech Nations, States of India, and various pavilions by STPI, ELCIA, VoICE, ABLE, I-BioB, BBC, BIRAC, KDEM, IKEP, Brigade REAP and Cyber Security.

Global Innovation Alliance partners sessions by France, Australia, Canada, Finland, Denmark, South Korea, UK, Sweden, The Netherlands, Israel, Germany, Switzerland, Japan, European Union, Lithuania, Poland, Thailand. And India USA Tech Conclave.

REGISTER

Register Now and experience the tech-powered tomorrow!

Register FREE as Expo Visitor

To Register as a Delegate Contact:

Ms. Bhawna +91 9739211804, 9739545434

#BTS2022 For more details: enquiry.bengalurutechsummit.com www.bengalurutechsummit.com



16-18 NOV 2022 • BANGALORE PALACE



Shri. Basavaraj S. Bommai
Hon'ble Chief Minister

KANNADA ADVERTISEMENT

HINDI ADVERTISEMENT

102

103

SOCIAL MEDIA

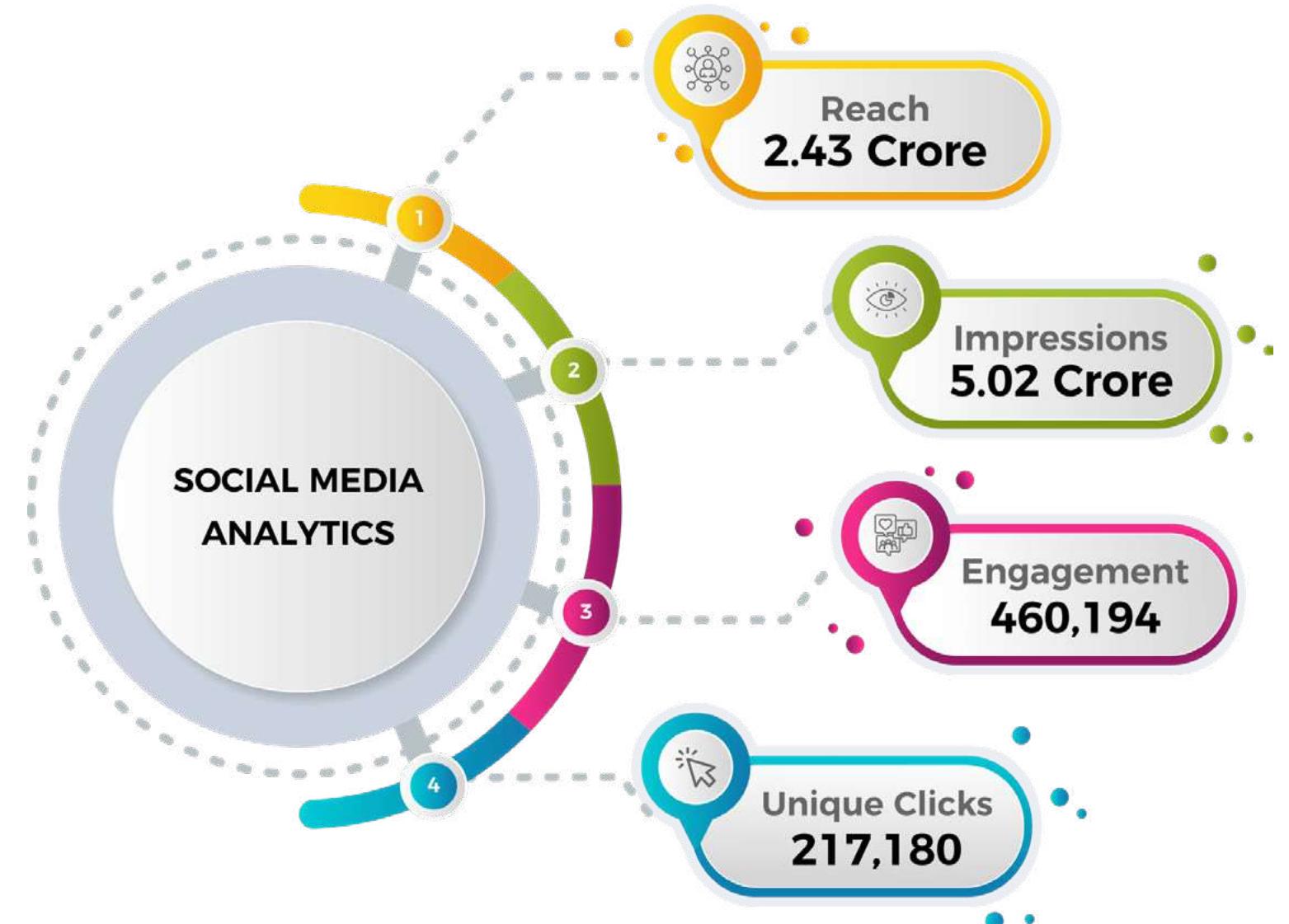
The comprehensive Social Media Campaign for BTS 2022 was a stupendous success. Being the landmark silver jubilee edition, extra effort was taken to popularize the event through social media platforms and event surpassed all its previous editions numbers and proved to be a mega success.

The pre-event campaign saw posts around the BTS legacy, the event spectrum, participation opportunities, Conference tracks announcements, session details, speaker and panel discussion posts, video bytes, Exhibition and other special programme posts etc.

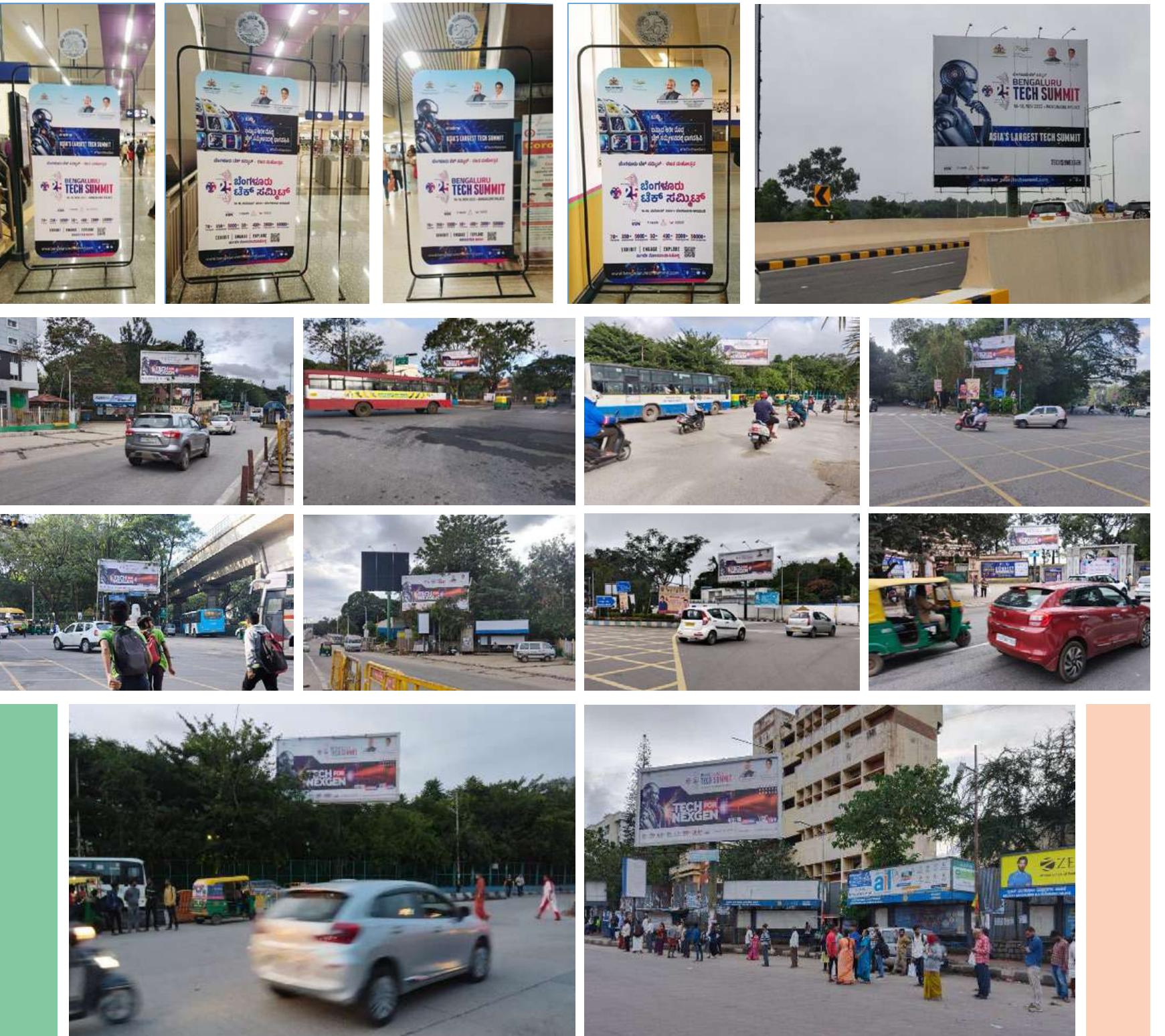
During the event campaign covered the live 3 days event with continuous posts covering inauguration, parallel sessions, felicitation, awards, valedictory sessions and wrap-up video for each day.

The post-event campaign mainly talked about the success stories of event with posting of video bytes, event coverage and some of the gripping sessions etc

Total Number of Post Done Across Facebook, Twitter, Linkedin, Instagram and Youtube- 1345



OUTDOOR CAMPAIGN



» TESTIMONIALS



Dr. Kiran Mazumdar Shaw
Executive Chairperson
Biocon Limited

“
The Bengaluru Technology Summit is a unifying platform for different streams of technology encompassing IT and Biotech. This year the Bio Track, driven by the Vision Group on Biotech, set the stage for capturing the next wave of innovations that will drive the future of healthcare. The newest technologies in biosciences like mRNA, NextGen MedTech among others, were discussed.



Mr. Lingraju Sawkar
President, Kyndryl India



Mr. Prashant Singh
Co-founder & COO, Leadsquared



Mr. Arun Gopinath
Head, MN Technology Centre, Nokia Bangalore



Mr. Murali Krishna S
CEO, Accord Software & Systems Private Limited



“
BTS was a very successful event showcasing Bangalore's contribution in IT-BT sector in a big way. It's an achievement to get going for 25 years and many congratulations to the organizers. We had an opportunity to interact with Industry leaders with excellent panel discussions. It was also very nice on part of the organizers to felicitate the companies from Bangalore who contributed to the growth of the sector. Hoping to witness many more such events in future.

“
Mr. Sai Srinivas
Co-Founder & CEO, Mobile Premier League (MPL)



“
provide better-integrated healthcare systems, generate clean water, reduce carbon footprint, and progress - digital India. We commit to working with the Government of India to make our nation and our business ecosystem the strongest in the world.



Mr. Abhiit Kabra
CEO, Sasken Technologies Ltd.



“
Mr. Eske Bo Rosenberg
Consul General, Denmark



“
Mr. Akash Sinha
CEO & Co-founder, Cashfree Payments



H.E. Mr. Tim Watts
Assistant Minister for Foreign Affairs, Australia



“
Australia is proud to have been a long-time partner of the BTS, as a forum for bringing together the Australian and Indian technology ecosystems.

“
We are committed to advancing our technology partnership with India, and, as Assistant Minister Tim Watts MP said during his remarks, the bilateral relationship has now entered the powerplay! We look forward to opening our Consulate-General in Bengaluru in 2023.



“
Bengaluru is where we started with a small office, a really small team, and a big dream. Bengaluru is where that small team got the perfect environment and ecosystem to scale that dream from India to the world. The startup capital of India, which is also my home, is the confluence of courage and optimism. The courage to chase the impossible. The optimism that the ecosystem will always be there to help.

“
I thank the Government of Karnataka for its relentless efforts to nurture entrepreneurship in Bengaluru. The 25th edition of the Bengaluru Tech Summit was a resounding success and will go a long way in inspiring the next generation of entrepreneurs in this city that never stops giving. We, the entrepreneurs of Bengaluru and the dreamers of India, are ready to do our bit in fulfilling the Prime Minister's vision of taking India to the world.



Mr. Eske Bo Rosenberg
Consul General, Denmark



“
Sasken technologies was pleasantly surprised to have been invited to the felicitation ceremony by BTS. While the whole arrangements were managed very professionally - just like any multinational corporate group. Everything was well planned and minute details were taken care.

“
The organisers were friendly and helpful. Mr. Bommai. Dr. Ashwath were very approachable and their pro industry attitude was very pleasing. The function was well attended and who's who of the Bangalore industry were all present. All in All, it was a world Class event and Sasken feels very proud to be associated in the development of Bengaluru and Karnataka state.

“
We are looking forward to bigger and more collaboration opportunities with Karnataka state government!



“
Bengaluru Tech Summit 2022 was an excellent experience and a wonderfully organised event. It was a crucial opportunity for cutting edge technologies like Fintech. This summit served as a much-needed platform to bring together new tech solutions across different sectors to explore synergies.

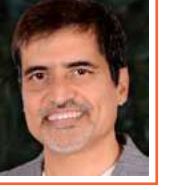
“
As the leading payments and API banking company in India, being part of Bengaluru Tech Summit 2022 was a delight for Cashfree Payments. We would like to thank the Government of Karnataka for organising this summit.”



Mr. Akash Sinha
CEO & Co-founder, Cashfree Payments



“
We are grateful to the organizers of Bengaluru Tech Summit 2022 for providing a fantastic platform for Denmark to showcase Danish sustainable innovations, solutions and values. BTS was also a fantastic opportunity to get an overview of and engage with the highly interesting and fast growing Indian tech ecosystem. Denmark is deeply committed to further strengthening our participation in Bengaluru Tech Summit and sees it as a key platform to deliver on the high ambitions of the Green Strategic Partnership.”



Mr. Eske Bo Rosenberg
Consul General, Denmark



“
The organisers were friendly and helpful. Mr. Bommai. Dr. Ashwath were very approachable and their pro industry attitude was very pleasing. The function was well attended and who's who of the Bangalore industry were all present. All in All, it was a world Class event and Sasken feels very proud to be associated in the development of Bengaluru and Karnataka state.

“
We are looking forward to bigger and more collaboration opportunities with Karnataka state government!



Mr. Abhiit Kabra
CEO, Sasken Technologies Ltd.



“ As digitalization rapidly permeates every aspect of our life and work, the 25th edition of Bengaluru Technology Summit manifested itself as a powerful platform to steer the momentum towards India's Techade. This flagship technology conclave brought together leaders and visionaries from the government, industry and academia with its focus on India's rising prowess in key technologies like AI, 5G, Cloud and the intelligent edge, and the outstanding talent that reinforces our commitment to shape the technology future for the world. ”

Ms. Niruti Rai
Country Head Intel India & VP Intel Foundry Services, Intel Corp



“ Canada was country in focus at the Bengaluru Tech Summit 2022 and Canada's participation highlighted the exceptional complementarity that exists between Canada and India in the field of technology and innovation and the vast potential to accelerate the Canada-India bilateral commercial partnership in the South. I look forward to further building Canada's partnership as part of the Government of Karnataka's Global Innovation Alliance. ”

Mr. Kenneth Wong
Consul and Senior Trade Commissioner for South India, Consulate General of Canada in Bengaluru



“ We are deeply honoured to be recognised at the BTS in the presence of Hon'ble Chief Minister of Karnataka, Shri Basavraj Bommai Shri Piyush Goyal, Hon'ble Minister of Commerce & Industry, Government of India and Dr. Ashwath Narayan, Hon'ble Minister of IT & BT, Government of Karnataka. The Prime Minister's vision and mission to digitise India is ingrained in our own ethos and thinking. We strongly believe in a future where all of India is empowered to shop online and partake in the benefits of the digital frontier. ”

Mr. Vineet Rao
Co-founder, Dealshare



“ It's a remarkable achievement that Bengaluru Tech Summit is in its 25th edition. Over the last 25 years, Bengaluru has become the startup capital of India, and I am super proud of this. This has also had a ripple effect in terms of inspiring more startup clusters across Karnataka. I'm confident that Bengaluru will continue to be the preferred home of disruptive startups that'll help shape the lives of Indians. I'm really happy to be a part of this year's summit. ”

Mr. Nithin Kamath
Founder & CEO, Zerodha

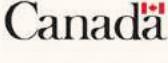


“ Congratulations to the Bengaluru Tech Summit team for completing 25 remarkable years of the event. The efforts and initiatives by both the Government of Karnataka and the Government of India has resulted in our country producing over a 100 unicorns and being a positive influence towards contributing to increasing employment, creating industry-defining international technology infrastructure, global investments and strategic partnerships worldwide. We at Open consider it an honour to be India's 100th Unicorn and this encourages us to give back and help further strengthen the rapidly growing Indian startup ecosystem. ”

Ms. Mabel Chacko
Co-founder, Open Money



ACKNOWLEDGEMENTS

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App Development Partner	Country in Focus	Fibrenet Partner	Gold Partner	Gold Partner	Gold Partner
					
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GOVERNMENT OF KARNATAKA

DEPARTMENT OF ELECTRONICS, INFORMATION TECHNOLOGY, BIOTECHNOLOGY AND SCIENCE & TECHNOLOGY

6th Floor, Stage 5, M.S. Building, Dr. Ambedkar Road, Bengaluru 560001.

Phone: +91 80 22280562 ; +91 80 22265943

Email: itbtsec@karnataka.gov.in

Website: <https://itbtst.karnataka.gov.in/>

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