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प्रौद्योगिकी विकास बोर्ड

TECHNOLOGY DEVELOPMENT BOARD

DEPARTMENT OF SCIENCE AND TECHNOLOGY

TDB'S ATMANIRBHAR YATRA GUJARAT CHAPTER

From Lab to Market : TDB Bridges the Gap

First Outreach Program In Gujarat: Empowering Startups, Entrepreneurs & Industries

Ahmedabad, Gujarat | 6th June, 2025

Empowering Indigenous Technologies for Viksit Bharat

Hosted by

GUJARAT COUNCIL ON SCIENCE & TECHNOLOGY (GUJCOST)

Department of Science & Technology, Government of Gujarat

www.gujcost.gujarat.gov.in

INTERNATIONAL YEAR OF
Quantum Science
and Technology

2025 INTERNATIONAL YEAR OF QUANTUM SCIENCE & TECHNOLOGY

The International Year of Quantum Science and Technology brings together nations, institutions, and innovators emphasizing collaboration over competition.

Department of Science & Technology
Government of Gujarat

GUJCOST has been recognized as
UN Academic Institution Partner for IYQ2025
Year-long outreach activities.

GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY
GOVERNMENT OF GUJARAT

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Shri Rajesh Kumar Pathak
Secretary
Technology Development Board, DST
Government of India

-: MESSAGE :-

It was a moment of pride to host the first outreach program under the TDB Atmanirbhar Bharat Yatra in Gujarat, jointly organized with GUJCOST. The vision of an Atmanirbhar Bharat centered on nurturing innovation, empowering start-ups, and promoting technology-driven solutions for societal development. It reflected a belief that every innovative idea, no matter how small, has the potential to bring about large-scale impact when supported with the right ecosystem.

In this mission the Technology Development Board (TDB) was recognized as vital. TDB played a key part in bridging the gap between the lab and the market- supporting technologies at critical stages and helping them become commercially successful, impactful solutions.

The program emphasized the significance of outreach activities in tapping into the innovation potential spread across the country. It was highlighted that the initiative aimed to connect with innovators, start-ups, and technology developers, offering them essential support through funding, mentorship, and incubation.

The strength of Gujarat as a center for technology, research, and enterprise was acknowledged with optimism. There was strong encouragement for innovators from the region to convert their ideas into scalable technologies, not just for patents but for the benefit of society.

The program concluded with a hopeful vision that in the coming year, 10–15 impactful innovations from Gujarat would receive support through this initiative- paving the way for a truly self-reliant, Atmanirbhar Bharat.

The aspiration remained to see Gujarat and India rise as hubs of indigenous technology and innovation, shaping a brighter, self-reliant future.

(Rajesh Kumar Pathak)

India will March Ahead Phenomenally in this Decade which is Hailed as the Techade for Humanity

It is a decade of technology

Prime Minister **Shri Narendra Modi**

FIRST MEETING OF TDB FOR THE ATMANIRBHAR YATRA

Gujarat Chapter:
Laying the Foundation for
Technology-Driven Self-Reliance in Gujarat

In a significant step toward promoting indigenous innovation and self-reliant technological advancement, the Technology Development Board (TDB) under the Ministry of Science & Technology, Government of India, launched the Atmanirbhar Yatra - a national outreach initiative aimed at empowering state-level innovation ecosystems. As part of this nationwide campaign, Gujarat was identified as a high-potential state due to its dynamic industrial base, vibrant start-up culture, and commitment to science-led development.

The first preparatory meeting to chart out Gujarat's role in this Yatra was convened on 12th March 2025 by the Gujarat Council on Science and Technology (GUJCOST) in collaboration with TDB.

The meeting served as a strategic dialogue between central policymakers, state-level stakeholders, innovation enablers, and industry representatives. It underscored the shared vision of building a stronger innovation-to-commercialization pipeline in the state and emphasized the importance of bridging the gaps between lab-scale R&D and real-world market deployment.

This crucial brainstorming session culminated in the decision to host the Gujarat Chapter of the Atmanirbhar Yatra in June 2025 in Ahmedabad. The upcoming event is envisioned as a state-level outreach and capacity-building platform designed to unlock greater access to national-level innovation funding and accelerate the journey of indigenous technologies from the laboratory to the marketplace.

TDB'S ATMANIRBHAR YATRA – GUJARAT CHAPTER: TAKING INDIGENOUS INNOVATION FROM LAB TO MARKET, ONE STATE AT A TIME

Background and Rationale

India's innovation ecosystem is undergoing a transformative shift, driven by a surge in indigenous research capabilities, the emergence of deep-tech start-ups, and the strengthening of connections between public policy and private enterprise. At the center of this transformation stands the Technology Development Board, which has played a critical role in nurturing early-stage innovation and supporting industrial technologies with commercialization potential.

Despite these efforts, a major challenge persists: limited awareness and access to TDB's financial assistance programs in regions that are otherwise rich in talent and ideas. Many MSMEs, start-ups, and R&D institutions either lack information about such schemes or struggle with navigating application processes. The Atmanirbhar Yatra aims to change this through a nationwide outreach campaign that connects TDB directly with innovators, institutions, and entrepreneurs at the grassroots level.

Gujarat, with its robust ecosystem spanning manufacturing, life sciences, renewable energy, digital technology, and the circular economy, is uniquely positioned to become a national model for innovation-led Atmanirbharta. The state's high concentration of research institutions, industrial clusters, incubators, and proactive policy environment make it an ideal launchpad for accelerating the lab-to-market transition of Indian technologies.

Target Audience

The Gujarat Chapter of the Atmanirbhar Yatra will bring together a broad cross-section of innovation ecosystem stakeholders to ensure inclusive participation and meaningful engagement. The event expects to host 100–150 participants, including:

- Start-ups with technologies at Technology Readiness Level (TRL) 6 or 7, ready for commercialization and scale-up.
- Successful TDB-funded enterprises, who will share their journeys and mentor upcoming applicants.
- Industries from key sectors like pharmaceuticals, textiles, clean energy, electronics, and circular economy.
- District Industries Centres (DICs) from all 33 districts of Gujarat to facilitate decentralized awareness.
- Leaders and members from national and regional industry associations including:

- CII (Confederation of Indian Industry) – Gujarat Chapter
- ASSOCHAM (Associated Chambers of Commerce and Industry of India)
- FICCI (Federation of Indian Chambers of Commerce and Industry)
- GCCI (Gujarat Chamber of Commerce and Industry)

Intellectual property experts, tech transfer professionals, and consultants offering guidance on patents, regulatory clearances, and commercialization pathways.

GUJCOST's Collaborative Approach

To ensure the success of the Gujarat Chapter, GUJCOST took a proactive approach in mobilizing ecosystem players. The council formally approached leading industry bodies such as ASSOCHAM, FICCI, CII, and GCCI, seeking their involvement in both strategic planning and program participation. These partnerships are vital for reflecting industry challenges and co-creating policy solutions that make commercialization more accessible.

In addition, GUJCOST reached out to innovation enablers like iHub and iCreate—two of Gujarat's most impactful incubators and technology platforms. These institutions helped identify high-potential start-ups, provided mentoring support, and will co-host sessions during the main event. GUJCOST also engaged with leading industries, MSMEs, and grassroots innovators, using its vast outreach network of District Science Centres, Innovation Clubs, and IP Cells to ensure diverse participation.

Objectives of the Gujarat Chapter of the Atmanirbhar Yatra

The Gujarat outreach is not merely a platform for discussion—it is a catalyst for action. The key objectives of the initiative include:

1. Providing Financial Support to companies aiming to commercialize indigenous or advanced technologies.

2. Funding the Commercial Application of research outputs from Indian institutions and start-ups.

3. Supporting the Adaptation of Imported Technologies to meet Indian market and societal needs.

4. Recognizing and Promoting R&D Institutions that contribute to indigenous innovation.

5. Enabling Stakeholder Collaboration, including academia, industry, incubators, and policy makers.

6. Facilitating Policy Convergence, with Gujarat serving as a role model for technology-led self-reliance and industrial sustainability.

The first TDB meeting hosted by GUJCOST on March 12th, 2025, has laid the strategic foundation for a transformative movement in Gujarat. The forthcoming outreach event in June will be a landmark effort to empower innovators, strengthen regional capacities, and align Gujarat's innovation ecosystem with national development goals. By bridging the gaps between R&D and commercialization, policy and practice, and vision and execution, the Atmanirbhar Yatra – Gujarat Chapter holds the promise of unlocking a new era of technology-driven progress in the state and beyond.

KEY GOVERNMENT BODIES SUPPORTING INNOVA

विज्ञान एवं
प्रौद्योगिकी मंत्रालय
MINISTRY OF
SCIENCE AND
TECHNOLOGY
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DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST)

The Department of Science and Technology (DST) plays a crucial role in promoting new areas of science and technology in India. It supports scientific research, fosters innovation, and facilitates collaborations among academic institutions, industries, and research organizations.

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NITI Aayog

NITI AAYOG

NITI Aayog (National Institution for Transforming India) is the apex policy think tank of the Government of India. It provides strategic direction, fosters cooperative federalism, and promotes sustainable development through evidence-based policymaking.

बाइरैक
इग्नाइट इनोवेट इंक्यूबेट
birac
Ignite Innovate Incubate

BIOTECHNOLOGY INDUSTRY RESEARCH ASSISTANCE COUNCIL (BIRAC)

BIRAC is a not-for-profit public sector enterprise set up by the Department of Biotechnology to empower emerging biotech enterprises. It promotes high-end innovation and entrepreneurship through strategic funding, mentoring, and capacity building.

Department of
BioTechnology,
Government
of India
सत्यमेव जयते

DEPARTMENT OF BIOTECHNOLOGY (DBT)

DBT is a key department under the Ministry of Science and Technology responsible for promoting and supporting biotechnology initiatives in India. It facilitates research, innovation, and product development in sectors like agriculture, healthcare, and the environment.

ATION, SCIENCE & ENTREPRENEURSHIP IN INDIA

उद्योग संवर्धन और आंतरिक व्यापार विभाग
DEPARTMENT FOR PROMOTION OF INDUSTRY AND INTERNAL TRADE

सत्यमेव जयते

DEPARTMENT FOR PROMOTION OF INDUSTRY AND INTERNAL TRADE (DPIIT) – START-UP INDIA

DPIIT is responsible for formulating and implementing policies for promoting industrial growth. Through its flagship Startup India initiative, it nurtures innovation and entrepreneurship by offering regulatory support, funding access, and incubation assistance.

एन आर डी सी
NRDC
PROMOTING INNOVATION TRANSFORMING LIVES

NATIONAL RESEARCH DEVELOPMENT CORPORATION (NRDC)

NRDC is engaged in promoting, developing, and commercializing technologies, inventions, patents, and processes originating from various R&D institutions. It acts as a bridge between inventors and industries, facilitating technology transfer and innovation-led growth.

Entrepreneurship Development Institute of India Ahmedabad

ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA (EDII)

EDII, based in Gujarat, is an institute supported by apex financial institutions including IDBI Bank, IFCI Ltd, ICICI Bank, and SBI. It plays a pivotal role in promoting entrepreneurship through education, research, training, and institution building.

EDII offers entrepreneurship development programs, incubates startups, and supports livelihood entrepreneurship, with a special focus on underrepresented groups including rural youth, women, and artisans. EDII also collaborates with central and state governments to implement innovative entrepreneurial models across sectors.

IMPORTANT INDUSTRIAL CLUSTERS IDENTIFIED IN GUJARAT

Important Industrial Clusters in Gujarat: Driving Industrial Excellence and Economic Growth
Gujarat, one of India's most industrially advanced states, is home to a diverse and vibrant ecosystem of industrial clusters that contribute significantly to the state's economy and national manufacturing output. These clusters represent concentrated areas of specific industries, creating a synergy that promotes productivity, innovation, and employment generation.

The following are some of the key industrial clusters identified across various regions of Gujarat:

Ahmedabad: A Hub of Multi-sector Industrial Activity

Ahmedabad stands out as a multi-industry powerhouse, hosting clusters in dyestuffs, readymade garments, book publishing, jewellery, ginning, pharmaceuticals, foundry, pharma machinery manufacturing, and fabrication. The city also leads in data processing, textiles (including power looms and finishing), textile stores, and textile accessories machinery, showcasing its stronghold in both traditional and modern manufacturing sectors.

Surat: The Textile and Diamond Capital

Surat has gained national recognition for its diamond processing and synthetic textile industries. Additionally, the city plays a crucial role in data processing, powerloom textiles, jari-printing, and textile accessories machinery. Surat continues to thrive as a global center for precision craftsmanship and textile innovation.

Rajkot: Engineering and Metalwork Excellence

Rajkot has emerged as a major hub for machine tools, oil engines, and gold and jewellery manufacturing. The city also hosts a Common Facility Centre for Diesel Engine Research, reinforcing its reputation for mechanical and engineering expertise.

Jamnagar: India's Brass Capital

Known for its precision metal parts, Jamnagar is recognized for its brass parts cluster and contributions to the castings and forgings sector.

Vadodara: Fabrication and Engineering Strength

Vadodara's engineering cluster in Makarpura and contributions to fabrication and utensils manufacturing highlight its position as an important center for heavy and precision engineering industries.

Anand: Food and Dairy Equipment Expertise

Anand is renowned not only for its dairy revolution but also for its dairy and food processing machinery cluster, supporting agricultural value addition and food technology advancement.

Bhavnagar, and Bhuj

Other significant clusters include re-rolling mills in Bhavnagar, textile finishing in Bhuj, and castings in multiple districts including Bhavnagar and Jamnagar. Common salt production thrives in Anjar, Gandhidham, and Dasada, while chalk manufacturing is concentrated in Porbandar.

Specialty Clusters Across Gujarat

- Ceramics: Morbi, Thangadh, Himatnagar, and Ahmedabad
- Wood-based industry: Nadiad
- Fish processing: Veraval
- Khadi textiles: Wadhvan
- Textile printing: Jetpur
- Salt industry (Little Rann of Kutch): Surendranagar
- Submersible pump industry: A key contributor to rural and agricultural water supply

EMPOWERING VIKSIT GUJARAT THROUGH

As India sets its sights on becoming a developed nation by 2047—the centenary of its independence—the role of Science, Technology, and Innovation (STI) becomes foundational in achieving this ambitious vision. The roadmap for Viksit Bharat @2047 calls for technological sovereignty, inclusive development, and sustainable growth powered by human capital and cutting-edge research.

At the forefront of this transformation is Gujarat, a state known for its entrepreneurial spirit, industrial dynamism, and forward-looking governance. The state has nurtured a vibrant STI ecosystem that bridges scientific research, technological application, and innovation-driven entrepreneurship, making it a role model for other states.

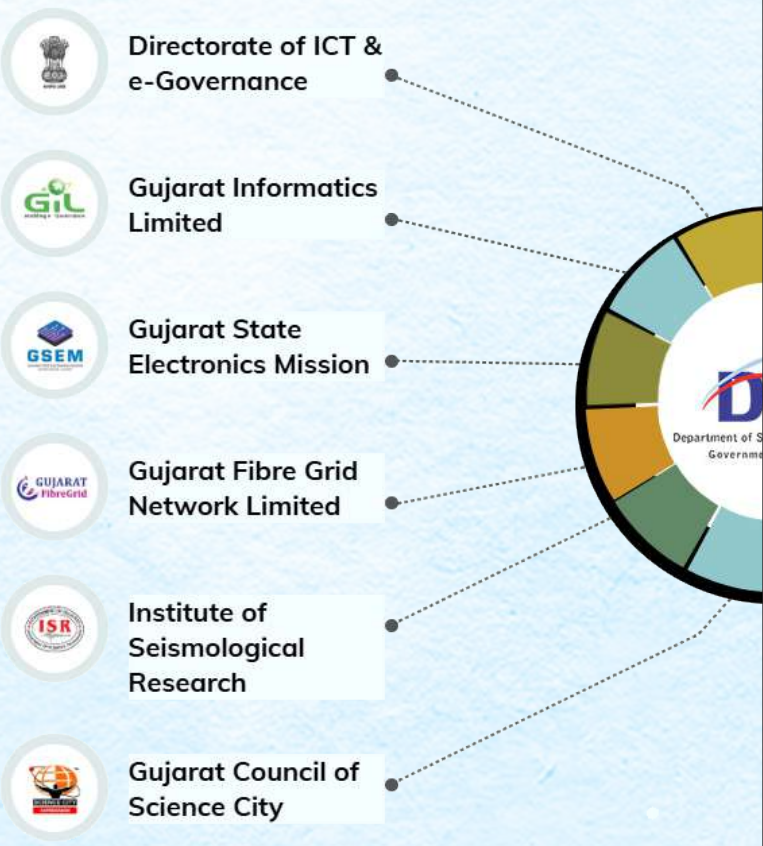
This article explores Gujarat's growing STI landscape and how it is fuelling the momentum toward Viksit Gujarat—a knowledge-powered, future-ready society.

The Dept. of Science and Technology, Govt. of Gujarat, mainly looks after the growth and development of new & emerging technology areas and is responsible for formulation and implementation of key policies in this sector in the state of Gujarat. Presently, DST has been looking after the following areas of technology in the State.

- Information & Communication Technology including e-Governance
- Biotechnology
- Science & Technology
- Remote Sensing and Space Application
- Seismology

The Department looks after 12 different verticals and the activities therein. These departments are Directorate of ICT & e-Governance, Gujarat Informatics Limited, Gujarat State Electronics Mission, Gujarat Fibre Grid Network Limited, Institute of Seismological Research (ISR), Gujarat Council of Science City, Gujarat Council on Science and Technology (GUJCOST), Gujarat State Bio Technology Mission (GSBTM), Gujarat Biotechnology Research Centre (GBRC), Gujarat Biotechnology University (GBU), Savli Technology & Business Incubator and Gujarat State Data Center.

Out of these organizations, GUJCOST and Science City are committed to connecting common citizens with science and developing a scientific temperament in young minds with the aim of entertainment and experiential knowledge. Gujarat Biotechnology University (GBU) is the World's First Biotechnology University with a strong translational

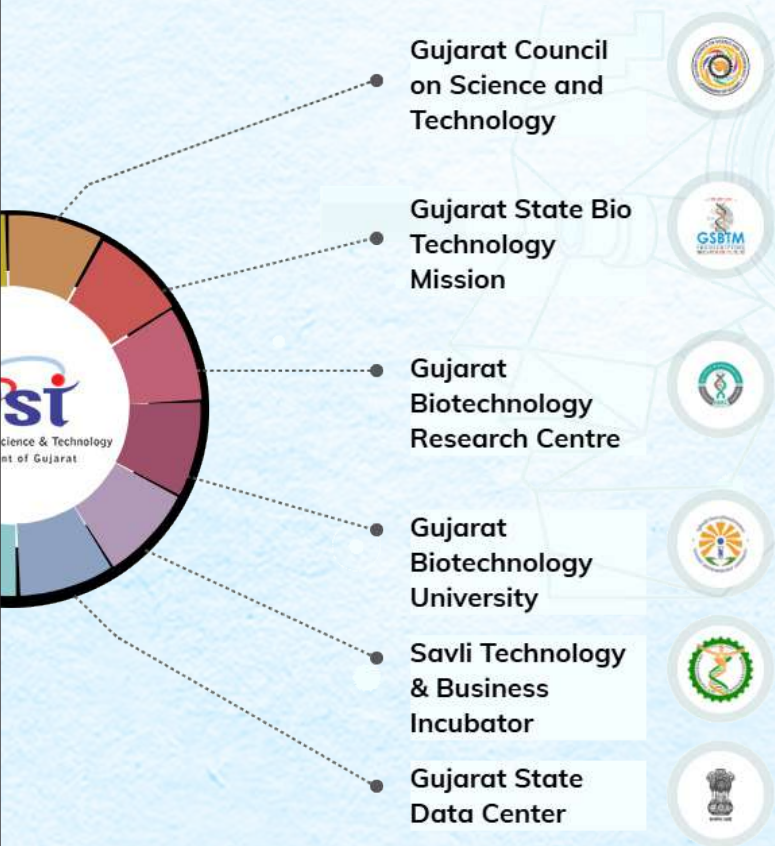


focus to deliver biotech solutions for societal challenges. The Gujarat State Data Center (GSDC) is a secure and centralized Information Technology (IT) infrastructure established to host applications and data related to e-Governance initiatives at the state level. This facilitates the efficient delivery of government services across various sectors. The GSDC holds the distinction of being the first State Data Center implemented in India under the National e-Governance Plan (NeGP).

The Directorate of ICT & eGovernance, is a pioneer in leveraging information and communication

technology (ICT) for better governance and has been at the forefront of the implementation of e-governance initiatives in India. The e-Governance initiatives in Gujarat have been widely acknowledged. The state has been awarded several awards at various eGovernance-related forums and competitions.

These unique infrastructure is complemented by various policies that pave the path of technological progress. The policies implemented by the Dept. of Science and Technology are Gujarat SpaceTech Policy, Gujarat GCC Policy, Gujarat Electronics Policy, Gujarat Semiconductor Policy, Gujarat State New IT/ITeS Policy, Science, Technology and Innovation Policy, Telecom Infrastructure Policy and Biotechnology Policy.



GUJCOST, working under the umbrella of Dept. of Science and Technology, Govt. of Gujarat is doing pioneering work in taking technology to people with uniquely crafted programs for all age groups. A few of the initiatives and collaborations undertaken by GUJCOST are detailed as under:

Gujarat's STI Vision: Empowering Every Citizen through Innovation

Gujarat's science and technology policy envisions the integration of science and technology into every sphere of governance and daily life. The focus is not just on high-end research but also on democratizing innovation, bringing science to the grassroots, and creating an ecosystem where ideas can flourish into impactful solutions.

This has led to the establishment of a network of knowledge institutions, incubators, R&D labs, innovation hubs, and outreach centres across the state. These are not isolated projects, but building blocks of a holistic, mission-oriented STI ecosystem.

Supercomputer Lab: Accelerating Research and Data-Driven Development

A key highlight of Gujarat's technological infrastructure is the State Supercomputer Lab, established under the aegis of the Gujarat Council on Science and Technology (GUJCOST). This facility brings high-performance computing (HPC) capabilities to researchers, students, and government agencies.

With this computational power, scientists and technologists can:

- Perform large-scale simulations in climate science, drug discovery, agriculture, and engineering.
- Support AI and machine learning model training for industry and academia.
- Enable data-intensive research and real-time analytics for public policy.

By providing access to such cutting-edge infrastructure at the state level, Gujarat is democratizing access to advanced technology and encouraging data-led innovation in diverse sectors—from precision farming to urban planning.

TECHNOLOGY DEVELO

Promoting Innovation. Supporting Entrepreneurs. Transforming India.

The Technology Development Board (TDB), a statutory body under the Department of Science and Technology (DST), Government of India, has been a driving force behind India's innovation-led growth since its establishment in 1996 under the Technology Development Board Act, 1995. With a steadfast commitment to promoting indigenous innovation and bridging the critical gap between laboratory-scale research and commercial deployment, TDB has emerged as a catalyst for translating scientific ideas into viable products, processes, and services. Its core vision is to empower Indian innovators, entrepreneurs, and technologists by fostering an ecosystem where breakthrough technologies can seamlessly transition from the lab bench to the marketplace, thus advancing the nation's goal of technological self-reliance and inclusive development.

TDB operates with a clear mission: to support the development and commercialization of homegrown technologies, provide funding and risk mitigation mechanisms for start-ups, MSMEs, and industries, and facilitate collaborations among academia, research institutions, and industry. It plays a vital role in India's innovation pipeline by offering soft loans, equity support, and grants to companies and R&D organizations engaged in high-potential projects.

TDB not only ensures the scalability of indigenous innovations but also reduces commercial

ɔPMENT BOARD (TDB)

uncertainties, enabling entrepreneurs to take bold, calculated risks. With over 300 supported projects across sectors like healthcare, energy, agriculture, environment, and defense, TDB has significantly impacted the Indian innovation landscape. Its swift response during the COVID-19 pandemic—funding indigenous vaccine production and diagnostic kits—demonstrates its agility and national relevance.

TDB's support spans cutting-edge and high-impact areas such as green and sustainable technologies, renewable energy, affordable healthcare, electric mobility, waste management, artificial intelligence, and robotics. These focus areas align with India's larger goals of sustainable development, energy security, and digital transformation.

By encouraging public-private partnerships, TDB nurtures synergy between governmental policy frameworks and private sector expertise, ensuring technologies reach communities at scale. It continues to play a crucial role in advancing the Atmanirbhar Bharat vision, propelling India toward a self-sufficient, tech-powered future. In essence, TDB is not just a funding body—it is the accelerator that powers the nation's journey from innovation to transformation, making India a global leader in technology and entrepreneurship.

"Innovation is the engine, and TDB is the accelerator that powers India's tech driven future"

GUJARAT COUNCIL ON SCIENCE

Promoting Scientific Temper, Research, and Innovation in Gujarat

The Gujarat Council on Science and Technology (GUJCOST), functioning under the Department of Science and Technology, Government of Gujarat, plays a vital role in strengthening the scientific ecosystem of the state. It aims to bridge the gap between science and society by encouraging innovation, supporting research, and popularizing science among the masses.

GUJCOST actively promotes science and technology through a wide range of programs that support R&D activities, capacity building, science communication, and grassroots innovations. A key focus is on leveraging science and technology for socio-economic development, especially in tackling rural poverty, unemployment, and backwardness. The Council also facilitates coordination between scientific institutions, industries, and government agencies to ensure the practical application of research and innovation.

GUJCOST's vision is rooted in the belief that science and technology should serve as powerful tools for societal transformation. By aligning its objectives with Gujarat's developmental priorities, it aims to bridge the gaps between science, technology, and society. The council is dedicated to advising the state government on S&T policy, supporting R&D activities, encouraging technology transfer, promoting science education, and developing infrastructure that makes science accessible to every corner of Gujarat.

A cornerstone of GUJCOST's work is science popularization and outreach. Through its robust network of Regional Science Centres (RSCs) in Bhavnagar, Bhuj, Rajkot, Patan, and several upcoming centres in cities like Vadodara, Surat, Jamnagar, and Junagadh, it provides engaging experiences in STEM education. The Patan centre features a dedicated Dinosaur Park, while Bhuj is home to a Space Observatory and Nanotechnology Centre. These centres aim to spark curiosity among students and the general public. GUJCOST has also established District Science Centres (DSCs) and Community Science Centres (CSCs), ensuring science education reaches rural and semi-urban areas.

In addition to physical infrastructure, GUJCOST organizes dynamic, state-wide programs such as the Children's Science Congress, ROBOFEST, STEM Quizzes, Science Drama Festivals, and Summer Science Camps, which bring young minds closer to scientific exploration. These efforts are complemented by innovation challenges and hands- on learning opportunities, often in collaboration with academic institutions, to instill a problem-solving mindset among school and college students.

Another major area of GUJCOST's work is its role in promoting innovation and supporting research and development. The council is instrumental in implementing Gujarat's Science, Technology & Innovation (STI) Policy, which encourages the establishment of Param Shavak supercomputing facilities across educational institutions and supports R&D in priority sectors like renewable energy, water, healthcare, and semiconductors. GUJCOST also offers financial assistance for research proposals, collaborative projects between academia and industry, and prototype development. It has fostered the creation of Innovation Clubs in over 480 colleges, providing Do-It-Yourself (DIY) kits and mentoring support for student-led innovations.

One of GUJCOST's defining achievements is in promoting intellectual property rights. As the nodal agency for the Patent Information Centre (PIC) and Technology and Innovation Support Centre (TISC) in Gujarat, it plays a vital role in assisting researchers and institutions with patent filings, technology scouting, and innovation management. With over 31 active IP cells across the state, GUJCOST is building a culture where innovation is protected, respected, and commercialized.

GUJCOST actively collaborates with national and international partners to strengthen Gujarat's science and technology ecosystem. It is the designated nodal body for the ISRO Space Tutor

E AND TECHNOLOGY (GUJCOST)

Program, working closely with the Indian Space Research Organisation to promote space education in schools and colleges. The council also partners with global organizations such as the World Intellectual Property Organization (WIPO), UNICEF, UNEP, and others. With private players such as Intel, it has implemented the AI for All initiative, making artificial intelligence literacy accessible to diverse age groups.

Gujarat's growing role in high-tech sectors such as semiconductors, biotechnology, and green energy is strongly supported by GUJCOST's policy advocacy and ecosystem development efforts. The council is spearheading the formation of a Science and Technology Cluster in the Ahmedabad-Gandhinagar region- of just four such clusters in India. This cluster aims to create a collaborative environment where academia, research institutions, start-ups, and industries can work together to solve complex societal problems, drive innovation, and generate employment opportunities. GUJCOST's long-term vision is to replicate and expand this model across the state.

The impact of GUJCOST's work is visible in both grassroots and high-end science engagement. Its efforts have empowered thousands of young learners, researchers, and innovators. Programs like the Children's Science Congress have enabled students from rural and tribal areas to present research at national platforms. Through capacity building, grants, infrastructure, and mentorship, the council is not just building knowledge but creating future leaders in science and technology. Its consistent focus on STEM education, public-private partnerships, and inclusive innovation ensures that Gujarat remains a front-runner in India's journey toward becoming a global knowledge economy.

Looking ahead, GUJCOST plans to further strengthen its outreach by expanding science centres, scaling up IP cells, and enhancing STEM education at the school level. The council also aims to deepen industry-academia-government collaboration and support start-ups through new funding mechanisms. With a forward-thinking approach, GUJCOST is set to play a critical role in shaping Gujarat's and India's science-driven growth, contributing meaningfully to the vision of Viksit Bharat @2047.

GUJCOST stands as a model for state-level science and technology councils in India. It brings together policy, practice, and people through a comprehensive and inclusive strategy. From creating curiosity among children to enabling large-scale scientific innovations, GUJCOST's work exemplifies how science and innovation can transform lives when driven with purpose, collaboration, and vision.

GUJARAT SCIENCE CITY: IGNITING CURIOSITY, INSPIRING INNOVATION

Gujarat Science City, located in Ahmedabad, is a flagship initiative of the Government of Gujarat under the Department of Science and Technology. Designed to popularize science and foster a spirit of inquiry and innovation among people of all ages, particularly the youth, Science City is a vibrant hub where education meets entertainment—commonly known as "edutainment."

Vision and Mission

The vision of Gujarat Science City is to bridge the gap between scientific knowledge and public perception through hands-on experiences, live demonstrations, and interactive exhibits. Its mission is to promote scientific temper, critical thinking, and innovation, aligning with national development goals and the vision of a knowledge-based society.

World-Class Attractions and Facilities
Gujarat Science City hosts some of the most advanced and interactive science exhibits in the country, including:

- Aquatic Gallery – A world-class aquarium featuring marine biodiversity and aquatic ecosystems.
- Robotics Gallery – An engaging space showcasing the evolution and application of robotics in daily life and industry.
- Nature Park – A green zone designed for biodiversity conservation and environmental education.
- IMAX 3D Theatre – A powerful medium for science education through immersive films.
- Planet Earth Pavilion – An exhibit on climate science and natural phenomena.
- Hall of Science, Hall of Space, and Energy Park – Popular exhibits that introduce complex scientific concepts in simplified, engaging formats.

Inspiring Future Innovators

Science City regularly organizes science fairs, workshops, lectures, innovation challenges, astronomy nights, and student outreach programs. It serves as a platform where young minds can explore cutting-edge science and technology, interact with experts, and nurture their curiosity.

Collaborative Hub for Science Communication

With collaborations involving national and international scientific institutions, Gujarat Science City also plays a key role in science communication and public engagement in science policy, environmental sustainability, and innovation.


TDB'S ATMANIRBHAR YATRA - GUJARAT CHAPTER | From Lab to Ma

TDB'S ATMANIRBHAR YATRA- GUJARAT CHAPTER: FROM LAB TO MARKET: TDB BRIDGES THE GAP

The Visionaries' Gateway (Inaugural Session)

The session featured distinguished speakers, including Dr. Narottam Sahoo (Advisor, GUJCOST), Shri Rajesh Kumar Pathak (Secretary, TDB, DST, Government of India), Ms. Mona Khandhar, IAS (Principal Secretary, DST, Government of Gujarat), Dr. Rajat Moona (Director, IIT Gandhinagar), Dr. Sumer Chopra (Director General I/C, GUJCOST), and Shri Kapil Kumar Tripathi (Scientist 'F', TDB, DST, Government of India).

Shri Rajesh Kumar Pathak
Secretary
TDB, DST, Govt of India

Shri Rajesh Kumar Pathak, addressed the gathering by highlighting that this marks the first outreach program under the TDB Atmanirbhar Yatra in Gujarat. He proudly spoke about TDB's first project sanctioned under the "Section 1" funding scheme—a pioneering initiative in drone technology incubated at IIT Delhi's incubation centre. The project, which evolved into a successful start-up, stands as a testimony to how innovation backed by timely support can lead to impactful outcomes. He elaborated on the advances in 3D drone technology and emphasized the importance of supporting innovations from across the country, quoting the saying "Boond boond se sagar bharta hai", meaning "Every drop contributes to the ocean". This, he said, reflects TDB's belief that valuable ideas can emerge from any region, including remote or small districts.

Shri Pathak also highlighted TDB's Top 30 funded projects, which span various sectors, showcasing the diversity and potential of Indian innovation. Recognizing Gujarat as a hub of technology and business, he noted the state's immense potential for contributing to national development. He emphasized that the government is now focusing more on such outreach programs, not only to promote patent generation but also to translate patents into technologies with societal applications. He concluded by stating that the true success of this outreach initiative would be evident if, within a year, TDB is able to fund at least 10-15 impactful projects from Gujarat, thereby turning this collaborative mission into a concrete step toward self-reliance and innovation-led growth.

Ms. Mona Khandhar, IAS
Principal Secretary
DST, Govt of Gujarat

Ms. Mona Khandhar, IAS, expressed her appreciation for the Technology Development Board's initiative, stating that it is a matter of pride that the TDB Atmanirbhar Yatra is commencing from Gujarat. She described this as a timely and commendable step toward realizing the Hon'ble Prime Minister's vision of a Viksit Bharat@2047. Highlighting the alignment between national and state goals, she stated, “Our motto is Viksit Bharat through Viksit Gujarat”, making the launch of this yatra from Gujarat particularly significant. She emphasized that India is now the fourth-largest economy in the world, and to sustain and accelerate this growth, there is an urgent need to promote research and development that is innovation-driven, research-driven, and socio-economically relevant.

Ms. Khandhar stressed the importance of building a knowledge-based community by embracing traditional technologies, rural innovations, and green technologies that are inclusive and far-reaching. She called for collaboration among all stakeholders-academia, industry,

start-ups, government, and communities-to build a robust innovation ecosystem. She emphasized that R&D must be IP-driven and commercially viable, providing practical solutions to socio-economic challenges in a well-directed and grounded manner. She also highlighted the importance of nurturing a research mindset from the school and undergraduate levels, creating a deep and sustainable talent pool from the ground up. Discussing policy efforts, she mentioned that DST Gujarat is actively working on Science and Technology policy and planning for S&T clusters, particularly in the Ahmedabad-Gandhinagar region. Noting that only four such clusters exist across India, she shared the state's vision to expand such clusters across Gujarat, making the state a leader in science-driven development. She concluded by stating that TDB's vision, beginning with this Gujarat chapter, has the potential to go a long way in building a self-reliant and innovation-empowered India.

Dr. Sumer Chopra
Director General (I/C)
GUJCOST

Dr. Sumer Chopra, highlighted India's advancing science and technology ecosystem, with a special focus on the Ahmedabad-Gandhinagar region as a hub of premier institutions and innovation. He emphasized the growing need for scientific advancements to address national priorities, drive economic growth, and enhance societal well-being. Dr. Chopra outlined GUJCOST's pivotal role in nurturing Gujarat's S&T landscape through strategic policies, funding support, and capacity-building initiatives. He spotlighted Gujarat's progressive S&T policy, positioning the state as a future leader in semiconductors and advanced technologies through academia-industry partnerships.

Dr. Chopra also emphasized GUJCOST's grassroots efforts in promoting STEM education via its network of RSCs, CSCs, and DSCs, which foster scientific curiosity among youth. Mentioning key initiatives like Project Dholera and Gujarat's first Science & Technology Cluster in the Ahmedabad-Gandhinagar region, he stressed their importance in uniting research, industry, and startups. He concluded by reaffirming GUJCOST's commitment to making Gujarat a national leader in science, innovation, and sustainable development through inclusive, future-ready strategies.

Dr. Rajat Moona
Director
IIT, Gandhinagar

Dr. Rajat Moona, Director of IIT Gandhinagar, delivered an impactful address highlighting India's remarkable technological resilience during recent crises, particularly through the successful execution of “Operation Sindoor,” where science and technology played a pivotal role without the need for foreign assistance. He emphasized this as a true testimony of India's "lab-to-market" capabilities and a reflection of the nation's innovative spirit. He recognized Gujarat as a leading example of technological growth, especially with advancements in the semiconductor sector and the development of the Science and Technology Cluster. He elaborated on how universities and industries in the GIFT City area are fostering an environment where innovations born in academia are seamlessly transferred to industries, fueling commercialization and economic growth.

Dr. Moona also referenced practical, citizen-centric technological applications, such as the ability to instantly verify one's name on the voter list, as a powerful illustration of efficient and accessible digital innovation. While lauding India's vast talent pool, he pointed out that the key missing link in the lab-to-market journey is market access. He concluded his remarks by quoting Union Minister Shri Piyush Goyal, who noted that while India has a rich start-up ecosystem, there is still a noticeable gap in the deep-tech start-up landscape.

Shri Kapil Kumar Tripathi
Scientist 'F'
TDB. DST, Govt of India

Shri Kapil Kumar Tripathi, delivered the vote of thanks and expressed heartfelt gratitude to all the dignitaries, experts, and participants for their valuable presence and contributions to the program. He extended special thanks to Ms. Mona Khandhar, IAS, Principal Secretary, DST, Government of Gujarat, for her continuous support and visionary leadership in promoting science and technology initiatives in the state. He also acknowledged the dedicated efforts of Team TDB, whose commitment made this outreach program a meaningful step toward building a robust innovation ecosystem. Shri Tripathi highlighted that the event holds special significance as it marks a milestone in identifying and building synergies for innovation-a crucial foundation for realizing the vision of Viksit Bharat.

Reflecting on the day's proceedings, he spoke about the various insightful sessions, which brought together stakeholders from government, academia, industry, and the start-up community to collaborate and chart a path forward for technology-led development. He reiterated TDB's continued commitment to supporting innovation and translating ideas into impactful technologies that benefit society at large. He concluded by once again thanking all those involved in making the program a success and emphasized that such initiatives are key to fostering a culture of innovation that drives India's self-reliant and technologically empowered future.

Dr. Narottam Sahoo
Advisor & Member Secretary
GUJCOST

Dr. Narottam Sahoo, extended a warm welcome to all dignitaries and emphasized the importance of the Technology Development Board's (TDB) ongoing Atmanirbhar Bharat Yatra, aligning with the vision of the Hon'ble Prime Minister. He noted that the Gujarat Chapter of this national initiative marks a pivotal step in reinforcing the state's innovation ecosystem.

Dr. Sahoo highlighted TDB's instrumental role in bridging critical gaps between industry and academia, ideas and innovation, and prototypes and large-scale production. He stressed that such collaborative efforts are essential to fostering synergy among key stakeholders- including TDB (DST, Govt of India), GUJCOST (DST, Govt of Gujarat), industry leaders, academic institutions, startups, and the MSME sector-working collectively to advance a self-reliant and innovation-driven India.

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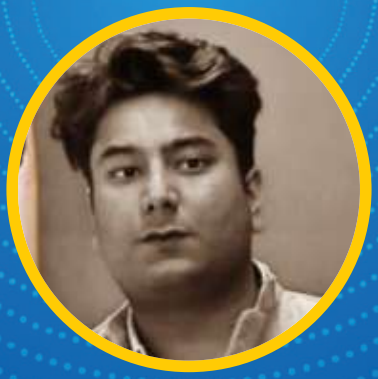
TDB'S 1st OUTREACH PROGRAM IN GUJARAT: EMPOWERING STARTUPS, ENTREPRENEURS & INDUSTRIES

TDB'S ATMANIRBHAR YATRA- GUJARAT CHAPTER

From Lab to Market : TDB Bridges the Gap

SESSION: II

FUNDING THE FUTURE



Shri Siddharth Mishra
Media Coordinator, TDB
DST, Govt of India

Shri Sudhir Tiwari
Project Manager
TDB, DST, Govt of India

Dr. Narottam Sahoo
Advisor & Member Secretary
GUJCOST

TDB's Support for Startups

Shri Siddharth Mishra
Media Coordinator
TDB. DST, Govt of India

Shri Siddharth Mishra, delivered an engaging session on “Fueling Indigenous Technologies towards Global Success.” He provided a concise overview of TDB's funding programs, highlighting the board's strategic role in bridging the gap between research and commercialization. He outlined the various schemes that support innovation-driven enterprises, especially those in their early stages, helping them scale from prototypes to market-ready products. He emphasized how TDB's financial and technical assistance fosters a robust ecosystem for translating innovative ideas into impactful technologies.

Shri Mishra also shared insightful success stories from TDB-funded start-ups that have grown into high-performing companies, not only contributing to India's self-reliance but also gaining international recognition. These examples served to inspire aspiring entrepreneurs and innovators in the audience by demonstrating the real-world impact of TDB's support mechanisms. His session reinforced the message that with the right support, indigenous technologies can achieve global competitiveness, and that India's innovation journey is well on its way toward realizing the vision of Atmanirbhar Bharat.

Shri Sudhir Tiwari
Project Manager
TDB, DST, Govt of India

Shri Sudhir Tiwari, delivered an informative session focusing on the opportunities available through TDB for projects approaching the commercialization stage. He emphasized that TDB plays a crucial role in providing last-mile funding support, helping innovators transition their research into viable market-ready products. He highlighted the importance of collaboration in project development, noting that TDB actively encourages partnerships between academia, industry, start-ups, and research institutions. Such collaborations, he said, must be built on a strong scientific foundation, with both partners sharing a common R&D component to ensure alignment and impact.

Shri Tiwari also explained the guidelines for international collaboration programs, offering insights into approval processes, funding modes, and evaluation criteria. He addressed common challenges, particularly the lack of effective collaboration in many proposals, and reiterated that successful partnerships must demonstrate mutual commitment and shared objectives. He concluded by stating that TDB is committed to supporting collaborative, innovation-driven projects and urged stakeholders to leverage the platform not only for funding but also for building strategic alliances that drive scientific advancement and commercial success.

Dr. Narottam Sahoo
Advisor & Member Secretary
GUJCOST

Dr. Narottam Sahoo, Advisor, GUJCOST, led a focused session on “Gujarat State's Support for Startups”, highlighting the state's proactive measures in nurturing a vibrant innovation and start-up ecosystem. He emphasized that Gujarat, through GUJCOST and DST, is committed to providing infrastructure, mentorship, funding access, and policy support to innovators, researchers, and young entrepreneurs across the state. He underlined the importance of building strong linkages between academia, industry, and government to enable meaningful, scalable innovations.

The session also included an engaging Q&A segment with funding experts from TDB, where participants sought clarity on funding guidelines, eligibility criteria, proposal preparation, and evaluation procedures. The interactive dialogue allowed start-up founders and researchers to better understand how to access central and state-level funding schemes and how to align their projects with national priorities.

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TDB'S ATMANIRBHAR YATRA- GUJARAT CHAPTER

SESSION: III

Homegrown to High Growth (Beneficiary Experience Sharing)

Shri Hemant Purohit
CEO
Alchemy Recyclers Private Limited

Shri Ganesh Sabat
CEO
Sahajanand Medical Technologies

Dr. Vivek Khare
Group Lead
M/s Birla Cellulose
Grasim Industries Ltd.

Homegrown to High Growth (Beneficiary Experience Sharing)

Shri Hemant Purohit
CEO
Alchemy Recyclers Pvt. Ltd.

Shri Hemant Purohit, emphasized during his talk that the Technology Development Board (TDB) is not limited to supporting only premier institutions like IITs or renowned industries, but is equally committed to funding grassroots innovators with promising and impactful ideas. He highlighted that TDB maintains a diverse and unbiased panel of experts who evaluate proposals based solely on scientific merit, innovation potential, and societal impact—regardless of the applicant's institutional background. This inclusive approach has enabled several unconventional and early-stage innovators to gain recognition and support.

Shri Purohit further underlined the transparent and efficient online funding process adopted by TDB, ensuring that applicants are guided and assisted fairly throughout the application and evaluation stages. He noted that TDB typically provides 50–60% of the total project cost as financial assistance, making it a substantial and enabling support mechanism for technology development and commercialization. His talk served as a strong encouragement to start-ups, MSMEs, and individual innovators to approach TDB with confidence and leverage its schemes to bring transformative ideas to market.

Shri Ganesh Sabat
CEO
Sahajanand Medical Tech.

Shri Ganesh Sabat, CEO of Sahajanand Medical Technologies (SMT), delivered an inspiring talk under the theme “Homegrown to High Growth (Beneficiary Experience Sharing)”, sharing his entrepreneurial journey and the transformative role of TDB funding in scaling indigenous innovation.He began with a warm and engaging interaction with the participants, creating a personal connection before diving into the story of Gujarat's excellence in fostering innovation. He proudly emphasized that Gujarat is not just the growth engine of India but also a rising hub for homegrown high-tech medical advancements.

Shri Sabat elaborated on SMT's remarkable journey-a company dedicated to developing world-class cardiovascular medical devices. With three manufacturing facilities-two in India and one in Thailand, SMT has expanded its global footprint while staying rooted in its mission to serve patients through cutting-edge, affordable healthcare solutions. The company's core vision, as he shared, is “Save Lives, Save People, Save the Country”- powerful motto that guides all their innovations and operations. He credited TDB's timely support and funding as a crucial catalyst in advancing one of their key R&D projects, which enabled the company to enhance manufacturing capabilities and bring their indigenous drug-eluting stents and other life-saving technologies to global markets. TDB's belief in SMT's vision and their transparent, efficient funding process helped bridge the gap between concept and large-scale commercialization. Shri Sabat encouraged other start-ups and innovators to dream big, aim high, and focus on building solutions that serve humanity, noting that when your vision aligns with societal good, success follows naturally.

Dr. Vivek Khare
Group Lead
Birla Cellulose, Grasim Industry

Dr. Vivek Khare, delivered an insightful talk on the theme of technology innovation in sustainable fibre production, highlighting the journey of developing cellulose fibre as an alternative to conventional cotton.

He explained the scientific and industrial process of cellulose fibre production, discussing the challenges encountered during R&D, such as material behavior, scalability, and environmental considerations. Dr. Khare emphasized the importance of validation at multiple stages and collaborative partnerships that helped transition their work from lab-scale innovations to full-scale industrial production. He specifically spoke about the development of Excel Fibre, a sustainable, high-performance fibre that offers a viable and eco-friendly alternative to cotton, with benefits such as reduced water usage, biodegradability, and adaptability across textile applications.

Dr. Khare expressed his gratitude to the Technology Development Board (TDB) for its critical financial and strategic support, which played a pivotal role in moving their innovation across the Technology Readiness Levels (TRLs). He highlighted that the TDB funding enabled them to bridge the crucial gap from pilot validation to commercial manufacturing, effectively transforming an idea into a market-ready, sustainable product. He concluded by encouraging innovators to focus on practical, scalable ideas that address industrial challenges, and reiterated that collaboration, validation, and perseverance are key to driving meaningful technological progress in India's innovation ecosystem.

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SESSION: IV

Tech Maturity Unlocked
(Demystifying Technology Readiness Levels)

Dr. Sujit Bhattacharya
Chief Scientist and Dean
Policy Research
CSIR-NISCPR

Tech Maturity Unlocked (Demystifying Technology Readiness Levels)

Prof. Sujit Bhattacharya
Former Chief Scientist
CSIR-NIScPR

Prof. Sujit Bhattacharya, Chief Scientist and Dean, Policy Research at CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), delivered a compelling session on "Taking Innovations from Lab to Market", focusing on the Technology Readiness Levels (TRLs) and the critical need to bridge the gap between R&D and commercialization. In his address, Prof. Bhattacharya elaborated on the importance of understanding TRL frameworks as a strategic tool to assess the maturity of a technology and guide its transition from concept to market deployment. He emphasized that many innovations in India remain underutilized because they stall at early research stages without moving towards real-world applications. He outlined the challenges that typically hinder commercialization, including weak industry-academia linkages, lack of early-stage validation, and inadequate support for scale-up. To address these, he advocated for a structured approach where innovators are supported through each TRL stage, with a focus on pilot testing, market analysis, regulatory pathways, and business model development.

Prof. Bhattacharya also stressed the role of policy, ecosystem enablers, and funding bodies like TDB in enabling this journey. He encouraged researchers to adopt a market-oriented mindset from the beginning and build multidisciplinary collaborations that align technological innovation with real societal and industrial needs. His session served as a valuable guide for researchers, start-ups, and institutions, offering both strategic insights and actionable frameworks to successfully take innovations beyond the lab and into the market.

The Atmanirbhar Synergy (Brainstorming with Ecosystem Leaders)

The session of the event, titled “The Atmanirbhar Synergy (Brainstorming with Ecosystem Leaders),” brought together key representatives from the innovation ecosystem to deliberate on strengthening the support system for indigenous technologies. This thought-provoking panel discussion featured notable participants including Shri Vinod Agarwal (Past-Chairman, CII), Mr. Jaymin Shah (Co-Chairman, ASSOCHAM), Shri Jay Joshi (Program Head, iHub), Ms. Tejashree Shah (Lead, Stakeholder Management), Shri Veeresh Singh (CEO, NIF), Dr. Narottam Sahoo (Advisor, GUJCOST), Shri R.D. Barhatt (Joint Commissioner of Industries), and Shri Kshitij Singh (Project Coordinator, TDB).

The discussion focused on identifying critical gaps in policy implementation, funding accessibility, and collaborative opportunities between industry and academia. Panelists emphasized the importance of strengthening regional innovation ecosystems, with Gujarat cited as a model for emerging technology and entrepreneurship hubs. The need to move beyond silos and foster cross-sector collaboration was reiterated, especially in bridging the transition from lab-scale research to large-scale commercialization. Several speakers highlighted the importance of enabling mechanisms such as flexible funding schemes, inclusive stakeholder engagement, and creating pathways for grassroots and deep-tech innovators to access markets.

There was a shared commitment to work collectively towards building a robust and self-reliant innovation ecosystem aligned with the national vision of Viksit Bharat 2047. The session concluded on a forward-looking note, emphasizing the need for ecosystem players-government bodies, industries, academic institutions, and start-ups-to unite in translating India's indigenous ideas into impactful and globally competitive technologies.

Innovators' Dialogue (Open House)

The final session of the event, titled “Innovators' Dialogue (Open House),” served as an interactive platform for start-ups and innovators to directly engage with policymakers and funding agencies. Designed to encourage open communication and collaborative exchange, this session provided a valuable opportunity for emerging entrepreneurs to present their queries, share experiences, and offer suggestions to improve support mechanisms for indigenous innovations. Officials from the Technology Development Board (TDB)—including Shri Kapil Kumar Tripathi (Scientist 'F'), Shri Kshitij Singh (Project Coordinator), Shri Sudhir Tiwari (Project Manager), and Shri Siddharth Mishra (Media Coordinator)—actively participated in the dialogue. The open house facilitated transparent and practical discussions, where TDB representatives addressed the concerns of start-ups regarding funding processes, proposal evaluations, commercialization challenges, and opportunities for scaling technologies.

Start-up founders and ecosystem enablers shared firsthand insights about the hurdles they face at various stages of innovation, from proof-of-concept to product deployment. Team TDB noted the feedback and assured participants that their inputs would play a vital role in shaping future funding policies, streamlining application procedures, and enhancing accessibility for innovators across India. The session reaffirmed the commitment of TDB and its partners to build a responsive, inclusive, and entrepreneur-friendly innovation ecosystem, reinforcing the larger goal of achieving self-reliance through technological advancement.

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TDB'S ATMANIRBHAR YATRA GUJARAT CHAPTER

From Lab to Market : TDB Bridges the Gap

Empowering Indigenous Technologies
for Viksit Bharat


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INDIA

TDB's Atmanirbhar Yatra- Gujarat Chapter: From Lab to Market: TDB Bridges the Gap

Name of Officials (TDB)

1. **Shri Rajesh Kumar Pathak**
   Secretary, Technology Development Board (TDB)
   Department of Science & Technology (DST), Govt of India

2. **Shri Kapil Kumar Tripathi**
   Scientist 'F', Technology Development Board (TDB)
   Department of Science & Technology (DST), Govt of India

3. **Shri Kshitij Singh**
   Project Coordinator, Technology Development Board (TDB)
   Department of Science & Technology (DST), Govt of India

4. **Shri Siddharth Mishra**
   Media Coordinator, Technology Development Board (TDB)
   Department of Science & Technology (DST), Govt of India

5. **Shri Sudhir Tiwari**
   Project Manager, Technology Development Board (TDB)
   Department of Science & Technology (DST), Govt of India

Name of Experts

1. **Mr. Hemant Purohit**
   Alchemy Recyclers Pvt. Ltd.

2. **Shri Ganesh Sabat**
   CEO, Sahajanand Medical Technologies

3. **Shri Rajanbhai Jariwala**
   Managing Partner
   T.M. Patel Processing Pvt. Ltd.

4. **Dr. Vivek Khare**
   M/s Birla Cellulose
   Grasim Industries Ltd.

5. **Prof. Sujit Bhattacharya**
   Chief Scientist and Dean
   Policy Research
   CSIR-NIScPR

6. **Mr. Jaymin Shah**
   Co-Chairman, ASSOCHAM

7. **Shri Jaykumar Joshi**
   Program Head, iHub

8. **Ms. Tejashree Shah**
   Lead, Stakeholder Management

9. **Shri Avinash Punekar**
   CEO, iCreate

10. **Shri Kshitij Singh**
    Project Coordinator, TDB

11. **Shri Veeresh Singh**
    CEO, NIF

12. **Shri R.D. Barhatt**
    Joint Commissioner of Industries

13. **Shri Vinod Agarwal**
    Past- Chairman, CII

Name of Participant

1. **Dr. Subhanarayan Sahoo**
   Adani University, nr. Vaishnodevi Circle, Shantigram, Khodiyar, Gujarat

2. **Mr. Hosam Kashaea**
   Ahmedabad University, Navrangpura, Ahmedabad, Gujarat

3. **Mr. Jay Nareshbhai Chaudhari**
   Ahmedabad University, Navrangpura, Ahmedabad, Gujarat

4. **Mr. Jimit Patel**
   Ahmedabad University, Navrangpura, Ahmedabad, Gujarat

5. **Mr. Kashish Dineshbhai Shah**
   Ahmedabad University, Navrangpura, Ahmedabad, Gujarat

6. **Mr. Kirtan Kalaria**
   Ahmedabad University, Navrangpura, Ahmedabad, Gujarat

7. **Mr. Moses Jere**
   Ahmedabad University, Navrangpura, Ahmedabad, Gujarat

8. **Dr Sahajkumar Anilkumar Gandhi**
   Bhartiya Vidya Bhavans College, Dakor

9. **Mr. Naitik Thakor**
   Dhirubhai Ambani University, DAU (DA-IICT), Reliance Cross Rd, Gandhinagar

10. **Mr. Rahilkumar Jitendrakumar Brahmbhatt**
    Department of Biochemistry and Forensic Science, Gujrat University

11. **Mr. Karan Pravinbhai Prajapati**
    Department of Microbiology and Biotechnology, Gujrat University

12. **Ms. Anjali D. Solanki**
    Department of Microbiology and Biotechnology, Gujarat University

13. **Ms. Dhwani Hiteshkumar Panchal**
    Gandhinagar University, Khatraj Kalol Rd, Moti Bhoyan, Kalol

14. **Mr. Bhargav Parmar**
    Ganpat University, Mehsana-Gozaria Highway, Kherava, Gujarat

15. **Dr. Nikunj Patel**
    Ganpat University, Mehsana-Gozaria Highway, Kherava, Gujarat

16. **Mr. Nishant Solanki**
    Ganpat University, Mehsana-Gozaria Highway, Kherava, Gujarat

17. **Mr. Vishal Ganpatbhai Parmar**
    Ganpat University, Mehsana-Gozaria Highway, Kherava, Gujarat

18. **Ms. Rita Sihag**
    Ganpat University, Mehsana-Gozaria Highway, Kherava, Gujarat

19. **Ms. Shweta Patel**
    Ganpat University, Mehsana-Gozaria Highway, Kherava, Gujarat

20. **Mr. Hitesh M. Rakhade**
    Ganpat University, Mehsana-Gozaria Highway, Kherava, Gujarat

21. **Ms. Aesha Raval**
    Gujarat Biotechnology University, Gujarat International Finance Tec-City, Gandhinagar

22. **Mr. Ashutosh Kumar**
    Gujarat Biotechnology University, Gujarat International Finance Tec-City, Gandhinagar

23. **Mr. Gaurav Jerath**
    Gujarat Biotechnology University, Gujarat International Finance Tec-City, Gandhinagar

24. **Ms. Khushi Arvindkumar Parmar**
    Gujarat Biotechnology University, Gujarat International Finance Tec-City, Gandhinagar

25. **Mr. Rakesh Kumar sharma**
    Gujarat Biotechnology University, Gujarat International Finance Tec-City, Gandhinagar

26. **Mr. Sahil Jain**
Gujarat Biotechnology University, Gujarat International Finance Tec-City, Gandhinagar

27. **Dr. Sudhir Pratap Singh**
Gujarat Biotechnology University, Gujarat International Finance Tec-City, Gandhinagar

28. **Ms. Tejalba Ranjitsinh Rathod**
Gujarat Biotechnology University, Gujarat International Finance Tec-City, Gandhinagar

29. **Dr. Maitri Trivedi**
Gujarat University, University Road, Navrangpura, Ahmedabad

30. **Dr. Rushikesh Joshi**
Gujarat University, University Road, Navrangpura, Ahmedabad

31. **Dr. Zalak Rameshchandra Rathod**
Gujarat University, University Road, Navrangpura, Ahmedabad

32. **Mr. Harsh Mineshbhai Prajapati**
Gujarat University, University Road, Navrangpura, Ahmedabad

33. **Mr. Mohit Chauhan**
Gujarat University, University Road, Navrangpura, Ahmedabad

34. **Ms. Vishakha Lonare**
Gujarat University, University Road, Navrangpura, Ahmedabad

35. **Ms. Urvashi Rathod**
Institute of Technology, Nirma University

36. **Mr. Jay Rana**
JR Labss Private Limited, Sector27, Gandhinagar

37. **Ms. Devshakti N Vyas**
L D College of Engineering, Navrangpura, Ahmedabad

38. **Dr. Sandeep Patil**
Navrachana University Vadodara, Vasna-Bhayli Road, Vadodara

39. **Mr. Dhaval B. Shah**
Nirma University, Sarkhej-Gandhinagar Highway, Ahmedabad

40. **Dr. Absar Lakdawala**
Nirma University, Sarkhej-Gandhinagar Highway, Ahmedabad

41. **Dr. Jatinkumar Dave**
Nirma University, Sarkhej-Gandhinagar Highway, Ahmedabad

42. **Mr. Bhalala Paras Girirajbhai**
Pandit Deendayal Energy University, PDPU Rd, Gandhinagar, Raysan

43. **Ms. Rutu Talati**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

44. **Dr. Namrata Bist**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

45. **Dr. Ramanand Singh**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

46. **Dr. Abhinav Kumar**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

47. **Dr. Ravi Tejasvi**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

48. **Dr. Ustav Dalal**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

49. **Dr. Pankaj Varma**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

50. **Dr. Deepak Gautambhai Vyas**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

51. **Dr. Roshni Kumari**
Pandit Deendayal Energy University PDPU Rd, Gandhinagar, Raysan

52. **Ms. Grishma Chitroda**
Pandit Deendayal Energy University
PDPU Rd, Gandhinagar, Raysan

53. **Ms. Kritika Narula**
Pandit Deendayal Energy University
PDPU Rd, Gandhinagar, Raysan

54. **Mr. Maulesh H Parikh**
Parul University, Waghodia, Dist. Vadodara

55. **Joshi Margi Subhashchandra**
The Maharaja Sayajirao University of Baroda

56. **Prof. (Dr.) Anjali Patel**
The Maharaja Sayajirao University of Baroda, Pratapgunj, Vadodara

57. **Rageshri Gajendrakumar Dave**
The Maharaja Sayajirao University of Baroda, Pratapgunj, Vadodara

58. **Dr. Kiran Trivedi**
University of Wollongong Australia - India Campus

59. **Mr. Dax Rameshbhai Patel**
Gandhinagar University

60. **Mr. Gaurav Bhardwaj**
AIC-LMCP Foundation, L. M. College Of Pharmacy, Navrangpura, Ahmedabad

61. **Ms. Aditi Patel**
AIC-LMCP Foundation, L. M. College Of Pharmacy, Navrangpura, Ahmedabad

62. **Mr. Akash Desai**
AIC-LMCP Foundation, L. M. College Of Pharmacy, Navrangpura, Ahmedabad

63. **Mr. Akash Parekh**
AIC-LMCP Foundation, L. M. College Of Pharmacy, Navrangpura, Ahmedabad

64. **Mr. Panchasara Happy Sureshbhai**
Bhoomaa Biotech, Palanpur, Gujarat

65. **Ms. Koumal Kalantry**
Bignano Ventures Private Limited, Ashram Road P.O, Ahmedabad, Gujarat

66. **Mr. Amit Rajora**
Bionic Energy Systems Pvt Ltd, Ahemdabad

67. **Ms. Kunj Chauhan**
Brainspire, Bhavnagar Gogha Circle, Bhavnagar

68. **Dr. Monark Vyas**
Cold box-Doorstep vaccination, Changodar, Ahmedabad

69. **Mr. Satyajeet Kumar**
Cold box-Doorstep vaccination, Changodar, Ahmedabad

70. **Mr. Kavit Rameshchandra Shah**
Dharmsinh Desai University Vikalp Ane Ukel Pvt Ltd

71. **Mr. Aryankumar Mafatlal Jadav**
Elevaite automations pvt. Ltd., Mandal Hansalpur Ahmedabad

72. **Mr. Manthan Gohel**
Elevaite automations pvt. Ltd., Mandal Hansalpur Ahmedabad

73. **Mr. Darpan Shimpi**
Excelon IP, Thaltej, Ahmedabad

74. **Ms. Drashti Jayeshkumar Patel**
Financial Executive, Sector 16, Gandhinagar

75. **Ms. Vandana Parikh**
Gau Nirantar Pvt Ltd, Gota, Ahmedabad

76. **Mr. Brijesh Patel**
Genexis Biotech Pvt Ltd, Brushellz Industrial Park, Chhani, Vadodara

77. **Dr. Jitendra Wagh**
Genexis Biotech Pvt Ltd, Brushellz Industrial Park, Chhani, Vadodara

78. **Ms. Akanksha Gupta**
GTU Innovation & Startup Centre, Regional Passport office, Navrangpura, Ahmedabad

79. **Mr. Patil Chiragbhai**
I scale innovation, Gota, Ahmedabad

80. **Ms. Tejashree Shah**
ICreate, Vastrapur, Ahmedabad

81. **Mr. Jalpesh Panchal**
Ignite Incubation & Startup Centre, Ahmedabad

82. **Mr. B. Prabhakaran**
LexOrbis Consulting Pvt Ltd, Sanidhya, Ahmedabad

83. **Ms. Neha Ramani**
LexOrbis Consulting Pvt Ltd, Sanidhya, Ahmedabad

84. **Mr. Narayan Patel**
LexOrbis Consulting Pvt Ltd, Sanidhya, Ahmedabad

85. **Mr. Devansh Patel**
Maharaj Developers, Ahmedabad

86. **Ms. Saumil Jain**
Maharaj Developers, Ahmedabad

87. **Mr. Mitesh Vadher**
Ministry of Education's Innovation Cell, Government of India

88. **Ms. Himadri Dave**
Mohar IP Solutions, Bodakdev, Ahmedabad

89. **Mr. Rohit k. Patel**
Ahemdabad

90. **Dr. Parikshit R Shirode**
Ahemdabad

91. **Mr. Shashvat Shah**
Naturessence Foods Private Limited, Paldi, Ahmedabad

92. **Dr. Vijaykumar Gadhavi**
Niharika Softweb Solutions Private Limited, Kudasan, Gandhinagar

93. **Dr. Parvesh Sharma**
NSIT-IFSCS, Swaminarayan Gurukul Campus, Jetalpur

94. **Mr. Tarun Kishan**
Rijwani Rudrabots

95. **Mr. Vikesh Kumar R Shah**
RVN Lifecare, Nr Gls School, Handloom House India, Ahmadabad

96. **Mr. Aaditya Jobanputra**
STORMDRIVE Private Limited, Patel Colony, Jamnagar, Jamnagar

97. **Ms. Venisha Faldu**
STORDRIVE Private Limited, Patel Colony, Jamnagar, Jamnagar

98. **Ms. Hir Kishorbhai Rupareliya**
STORMDRIVE Private Limited, Patel Colony, Jamnagar, Jamnagar

99. **Ms. Grishma patel**
Takshvi Designing and Foundation, Anjali Char Rasta, Ahmedabad

100. **Mr. Vivek Brahmbhatt**
Urukrama innovations Pvt. Ltd., Rajesh Tower Road, T B Sanatorium, Vadodara,

101. **Mr. Bakul Panchal**
Ahemdabad

102. **Mr. Umang Patel**
Dhirubhai Ambani University, DAIICT-campus, near, Reliance Cross Rd, Gandhinagar

103. **Mr. Saurabh Thakor**
GIFT City, Gandhinagar

103. **Mr. Saurabh Thakor**
GIFT City, Gandhinagar

104. **Mr. Chirag Rathod**
Gujarat Biotechnology University (GBU), Gujarat International Finance Tec-City, Gandhinagar

105. **Mr. Priyank Kumar**
Gujarat Biotechnology University (GBU), Gujarat International Finance Tec-City, Gandhinagar

106. **Mr. Ashish**
Ahemdabad

107. **Mr. Dhaval Patel**
Ahemdabad

108. **Ms. Priya Patel**
Gandhinagar

109. **Ms. Pooja Joshi**
Gandhinagr

110. **Mr. Jayesh Patel**
Ahemdabad

111. **Mr. Jignesh Patel**
Gandhinagr

112. **Mr. Girish Dave**
Gandhinagar

113. **Mr. Yajuvendra Cahuhan**
Ahemdabad

114. **Ms. Rashmika Shah**
Ahemdabad

115. **Mr. Suresh**
CDIE, Ahemdabad

116. **Mr. Nirav Patel**
SPSEC (Sardar Patel Startup & Entrepreneurship Council), SPU, Vallabh Vidyanagar, Anand

117. **Mr. Bhuvan Vyas**
STRI, Vadodara

118. **Dr. Punkaj Gohil**
SCET, Surat

119. **Mr. Aryan Jadav**
ELERATE, Ahemdabad

120. **Mr. Vivek**
Ahemdabad

121. **Ms. Dhara Patel**
National Innovation Foundation, Gandhinagar

122. **Mr. Mahesh Patel**
National Innovation Foundation, Gandhinagar

123. **Mr. Hitesh M. Rakhade**
Ganpat University, Mehsana

124. **Mr. Nishant Solanki**
Ganpat University, Mehsana

125. **Mr. Bhargav Parmar**
Ganpat University, Mehsana

126. **Ms. Rita Sihag**
Ganpat University, Mehsana

127. **Mr. Vishal Parmar**
Ganpat University, Mehsana

128. **Ms. Sweta Patel**
Ganpat University, Mehsana

129. **Ms. Karnika Bajaj**
Project Adopte Queen

130. **Mr. Yuvrajsinh Barot**
Maharaja Sayajirao University of Baroda

131. **Dr. Vandana**
Shri Amrutlal Veerpal Parekh Technical Institute (AVPTI), Rajkot

132. **Mr. Krupalsinh Dabhi**
iHub, Ahemdabad

133. **Ms. Priti Chavan**
Consultant, Ahemdabad

134. **Ms. Ovilya Fernaldes**
UAE

135. **Mr. Sagar**
Enterprenor, UAE

136. **Ms. Avi Garg**
Advocate, Bar Council of Delhi and Indian Patent Agent

137. **Mr. Abhishek Parekh**
3DP CONNECT LLP, Surat, Gujarat

138. **Mr. Bhagirath S Bhatt**
A V Parekh Technical Institute, Rajkot

139. **Mr. Kiranbhai makwana**
Agri nitro nidia pvt ltd, Sihor, Gujarat

140. **Mr. Phanideep Kunisetty**
Ask Bioprocess, Sanand, Ahemdabad

141. **Mr. Manush Prajapati**
ASTR REALTORS, Bodakdev, Ahemdabad

142. **Dr.Rashmin S Tanna**
Rajkot

143. **Prof. Gautam D. Makwana**
GTU School of Engineering and Technology

144. **Mr. Yajuvendrasingh Chauhan**
GTU Ventures

145. **Mr. Ashish shah**
Happyclap

146. **Mr. Sachidananda Hota**
Indian Institute of Management–Ahmedabad

147. **Dr. Dhaval Parmar**
Indian Institute of Public Health Gandhinagar

148. **Mr. Patel jigneshkumar mafatlal**
J M PATEL ENGINEERING PVT LTD

149. **Mr. Sunil Nayak**
Krispy Water/ Giribala Ayurved LLP

150. **Ms. Sarika Chitrodiya**
LYMBEDGE LLP

151. **Mr. Pratik M Vaishnav**
MOHAR IP SOLUTIONS

152. **Prajapati Karan Pravinbhai**
Gujarat University

153. **Mr. Keyur Bhalavat**
QRL BIOSCIENCE

154. **Mr. Senthil**
QRL BIOSCIENCE

155. **Mr. Sanjoy Bhagat**
Quantum Scholar.AI

156. **Mr Aadil Thim**
RIddham Circuits INC.

157. **Mr. Pranav Parekh**
RIddham Circuits INC.

158. **Mr. Jitendra Parekh**
RIddham Circuits INC.

159. **Ms. Riddhi**
RIddham Circuits INC.

160. **Ms. Preeti**
RIddham Circuits INC.

161. **Mr. Ajit Deshpande**
Rises Analytics Solutions Private Limited

162. **Mr. Bharat parmar**
Shyam inmovations pvt ltd

163. **Mr. Rajesh Rabadia**
Silent Infotech Private Limited

164. **Mr. Jignesh Vaghasiya**
Silent Infotech Private Limited

165. **Ms. Krupa k Mehta**
Strinovation Foundation

166. **Mr. Ashok Sindhav**
Swet IOT

167. **Mr. Rahul Pancholi**
Terascan Private Limited

168. **Mr. Saurav Mevada**
Terascan Private Limited

169. **Mr. Hunny Bhagchandani**
TORCHIT

170. **Ms. Vidhi Kayastha**
Ahmedabad University

171. **Mr. Yagnik M Bhavsar**
Ahmedabad University

172. **Ms. Bhargavi sonavane**
Charotar University of Science and Technology

173. **Mr. Raj Arvindkumar Hakani**
Gujarat Technological University

174. **Mr. Hitesh D Patel**
Gujarat University

175. **Dr. Dhaval Parmar**
Indian Institute of Public Health Gandhinagar

176. **Mr. Ritesh K Patel**
Indus University, Ahmedabad

177. **Mr. Shaswat Padalia.**
Indus University, Ahmedabad

178. **Bhatt Vineet Mukeshchandra**
L D College of Engineering

179. **Vyas Devshakti N**
L D College of Engineering

180. **Mr. Chauhan Dharmikkumar Bharatkumar**
Pandit Deendayal Energy University

181. **Dr. Usha Sabharwal**
Parul University, Baroda

182. **Dr. Devansh Desai**
Silver Oak University

183. **Dr. Manthan Panchal**
Silver Oak University

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सत्यमेव जयते

TDB's Atmanirbhar Yatra- Gujarat Chapter:
From Lab to Market: TDB Bridges the Gap

TDB's 1st Outreach Program In Gujarat: Empowering Startups, Entrepreneurs & Industries

Program Agenda

Date: 6th June, 2025
Venue: Science City, Gujarat

Session	Title	Time	Focus Areas	
Session I	**The Visionaries' Gateway (Inaugural Session)**	**10:30 AM – 11:30 PM**	Charting Gujarat's path to self-reliant innovation	
Session II	**Funding the Future** **A. TDB's Support for Startups** **B. Gujarat State's Support for Startups**	**12:00 PM – 1:00 PM**	Fueling Indigenous technologies towards global success • Overview of funding programs • Insights from funded startups that scaled successfully • Q&A with funding experts	**Shri Siddharth Mishra** Media Coordinator TDB **Dr. Narottam Sahoo,** Advisor GUJCOST
Lunch Break- 1:00 PM – 1:30 PM				
Session III	**Homegrown to High Growth (Beneficiary Experience Sharing)**	**1:30 PM – 2:15 PM**	Stories of startups that turned indigenous innovation into market success • Real-life case studies of Gujarat based beneficiaries of TDB. • Challenges, lessons, and strategic insights from entrepreneurs	**Mr. Hemant Purohit,** Alchemy Recyclers Pvt. Ltd. **Shri Ganesh Sabat,** CEO, Sahajanand Medical Technologies **Shri Rajanbhai Jariwala,** Managing Partner, T.M. Patel Processing Pvt. Ltd. **Dr. Vivek Khare,** M/s Birla Cellulose, Grasim Industries Ltd.
Session IV	**Tech Maturity Unlocked (Demystifying Technology Readiness Levels)**	**2:30 PM – 3:00 PM**	Taking innovations from lab to market • Understanding TRL Levels • Bridging the gap between R&D and commercialization	**Prof. Sujit Bhattacharya** Chief Scientist and Dean, Policy Research, CSIR-NIScPR

Session V	**The Atmanirbhar Synergy (Brainstorming with Ecosystem Leaders)**	**3:15 PM – 4:00 PM**	Strengthening the support system for indigenous technologies • Panel discussion with CII, ASSOCHAM, FICCI, GUJCOST, iHub, iCreate, & TDB • Identifying policy needs, funding gaps, and industry collaboration opportunities	From TDB- **Shri Kshitij Singh** Project Coordinator, TDB **Mr. Jaymin Shah** Co-Chairman, ASSOCHAM **Shri Jay Joshi** **Program Head at Gujarat Student Startup and Innovation** iHub, Gujarat **Ms. Tejashree Shah** Lead Stakeholder Engagement, iCreate, Ahmedabad, **Shri Veeresh Singh,** CEO, NIF **Dr. Narottam Sahoo** Advisor GUJCOST **Shri R.D. Barhatt** Joint Commissioner of Industries **Shri Vinod Agarwal** Past- Chairman, CII
Session VI	**Innovators' Dialogue (Open House)**	**4:00 PM – 5:00 PM**	A platform for startups to engage with policymakers & funding bodies • Direct engagement with TDB officials and ecosystem enablers • Gathering insights & feedback for shaping future funding policies	**Team TDB** **Shri Kapil Kumar Tripathi** Scientist 'F' **Shri Kshitij Singh** Project Coordinator **Shri Sudhir Tiwari** Project Manager **Shri Siddharth Mishra** Media Coordinator

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY INNOVATION AND INFRASTRUCTURE

OUR GLOBAL GOALS

For Sustainable Development

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE AND LAND

16 PLACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

Gujarat Council on Science &Technology (GUJCOST)
Dept of Science & Technology, Government of Gujarat
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