GOVERNMENT OF
KARNATAKA
Department of
Science & Technology

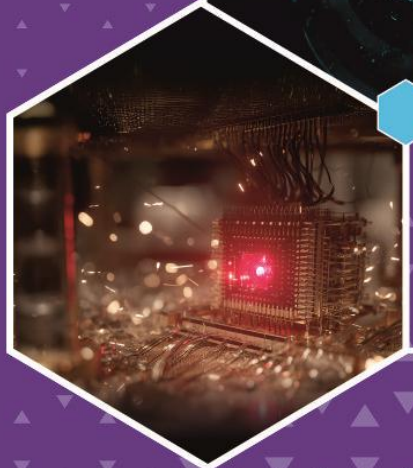
QUANTUM INDIA
BENGALURU

31 JULY & 1 AUGUST • 2025 • HOTEL HILTON

ORGANISERS

KSTePS

IQTI



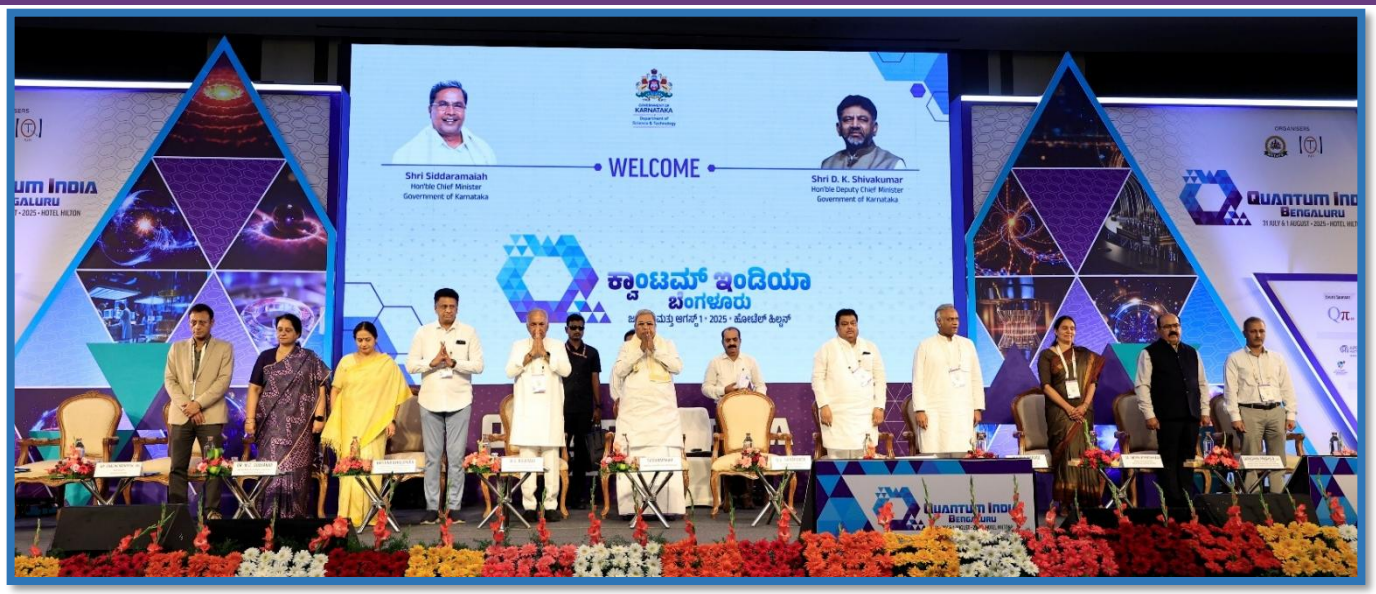
EVENT REPORT

The inaugural edition of Quantum India Bengaluru (QIB) 2025, held at Hilton Bengaluru Embassy, Manyata Tech Park, during July 31st and August 1st, concluded with resounding success, spotlighting Karnataka's growing leadership in quantum science and technology. Themed "Building a Quantum Ecosystem: Qubits to Society," the two-day summit brought together Nobel Laureates, policy leaders, scientists, startup founders, technologists, and students, reflecting the diversity and depth of India's quantum vision.

Organised by the Karnataka Science and Technology Promotion Society (KSTePS) and the Department of Science and Technology, Government of Karnataka, in collaboration with the IISc Quantum Technology Initiative (IQTI), QIB 2025 aligned closely with the National Quantum Mission. Inaugurated by **Shri Siddaramaiah**, Hon'ble Chief Minister of Karnataka, **Shri D.K. Shivakumar**, Hon'ble Deputy Chief Minister of Karnataka, **Shri N.S. Boseraju**, Hon'ble Minister for Minor Irrigation and Science & Technology, Government of Karnataka, and a host of other dignitaries.

The state of Karnataka, at the summit, announced its commitment to building a $20 billion quantum economy by 2035, while highlighting upcoming initiatives, including a first-of-its-kind Quantum City near Bengaluru. It also plans to enhance its quantum chip fabrication capabilities by the end of the year. The Karnataka Quantum Roadmap was launched at the inaugural session, which is structured around five strategic pillars - Talent, R&D, Infrastructure, Industry Enablement, and Global Partnerships. It received strong endorsement from leaders across the quantum ecosystem. Building on its success, the Government of Karnataka announced that Quantum India Bengaluru will now be held as an annual event, reaffirming its long-term commitment to advancing India's quantum ambitions.

INAUGURAL GLIMPSES



- The event was Inaugurated by **Shri Siddaramaiah**, Hon'ble Chief Minister of Karnataka, **Shri D.K. Shivakumar**, Hon'ble Deputy Chief Minister of Karnataka, **Shri N.S. Boseraju**, Hon'ble Minister for Minor Irrigation and Science & Technology, GoK, **Shri M.B. Patil**, Hon'ble Minister for Large & Medium, Industries and Infrastructure Development, GoK; **Shri Priyank Kharge**, Hon'ble Minister for IT & Bt and RDPR, GoK; **Shri Krishna Byregowda**, Hon'ble Minister for Revenue, Member of the Legislative Assembly, Byatarayanapura Assembly Constituency, GoK; **Dr. M.C. Sudhakar**, Hon'ble Minister for Higher Education, GoK; **Dr. Shalini Rajneesh**, IAS; Chief Secretary; GoK; **Dr. Smitha Vishveshwara**, Professor, University of Illinois, Global Steering Committee, IVQ 2025; **Prof. Arindam Ghosh**, Conference Chair, QIB 2025; Professor, IISc - Bengaluru; **Prof. Akshay Naik**, Conference Co-Chair, QIB 2025; Professor, IISc - Bengaluru; **Dr. Ekroop Caur**, IAS, Secretary, Department of E, IT, Bt, and Science & Technology, GoK; **Sadashiva Prabhu B.,IAS**; Director, Department of Science & Technology; Managing Director, Karnataka Science and Technology Promotion Society (KSTePS), GoK.
- **Karnataka's Quantum Roadmap** officially unveiled, structured around five pillars - Talent, R&D, Infrastructure, Industry Enablement, and Global Partnerships.
- The state announced its **vision to build a $20 billion** quantum economy by **2035**, positioning Karnataka as a global hub for quantum innovation and commercialization.
- The summit featured **75** speakers, including Nobel Laureates **Prof. Duncan Haldane** and **Prof. David Gross**, underscoring its global academic significance.
- **1951** Delegates from over **19** countries, participated in the summit, where **74** B2B meetings were held, and featured **37** exhibitors and **132** poster registered **41** research paper presented and **2180** Business Visitors - top entries were formally recognized during the valedictory ceremony.
- TiE Bangalore, as the ecosystem partner, led the Startup Pitch Fest, connecting India's emerging quantum startups with investors, VCs, and research institutions.
- The summit featured **26** multi-track sessions across five thematic streams - Quantum Computing; Finance & AI; Healthcare & Security; Peripherals & Hardware; and Society & Art.
- The prestigious **S. Pancharatnam Prize for Excellence** in Quantum Science and Technology was announced to honour Indian contributions linking fundamental quantum theory with real-world impact was presented to **Prof. Rajamani Vijayaraghavan**, Tata Institute of Fundamental Research, Mumbai.
- At the valedictory session, **Qosmic Satellite Systems Pvt. Ltd**. won the '**Emerging Startup Award in Quantum Science and Technology**' with a cash prize of INR 2,00,000."
- The Government of Karnataka announced that Quantum India Bengaluru will now be held annually, reinforcing its long-term commitment to building India's quantum future.

Programme at a Glance

Day 1: Thursday, 31st July 2025			
Time	**Event**		
08:30 am – 10:00 am	**Registration**		
10:00 am – 11:00 am	**Inauguration of Conference**		
11:00 am – 12:00 noon	**Exhibition and Poster Inauguration**		
12:00 noon – 12:45 pm	**Keynote Lecture** Modern Quantum Mechanics is 100 years old: Why all the excitement today?		
12:45 pm – 02:00 pm	**Lunch and Visit to the Exhibition and Poster Zone**		
02:00 pm – 03:30 pm	**HALL 1** **Quantum in Computing, Finance & AI**	**HALL 2** **Quantum in Healthcare**	**HALL 3** **Quantum in India's strategic sectors**
	Quantum Computing For Betterment Of Human Life	Towards Quantum Enhanced Nonlinear Optical Microscopy	DRDO in Quantum Technologies Opening New Frontiers
	The Quantromon: A qubit-resonator system with orthogonal qubit and readout modes	Quantum Machine Learning for Healthcare	Overview of the National Quantum Mission
	Generative AI in the era Quantum Computing: Learning with Density Operators	Triplet Spin State Dependent Signal Transduction in Light-Oxygen-Voltage Sensitive Receptors	Standardization and Certification of Quantum products and Solution
	Towards Practical Hybrid Quantum Networks for Security	Transforming Cardiac Care with Quantum Precision	Perspectives of Satellite based Quantum Key Generation-Distribution from a Geo satellite platform
03:30 pm – 04:00 pm	**Tea/ Coffee Break**		
04:00 pm – 05:00 pm	**Panel Discussion** India's Commitment to and Expectation from Emerging Technologies: The case of Quantum		
05:00 pm - 05:30 pm	Karnataka's Quantum Roadmap: Fireside Chat		
05:30 pm - 05:45 pm	**Tea/ Coffee Break**		
05:45 pm – 07:15 pm	**HALL 1** **Quantum in Computing, Finance & AI**	**HALL 2** **Quantum Peripherals and Hardware**	**HALL 3** **Quantum in Society and Art**
	Harnessing Multi-Electron Entanglement in Modern Quantum Materials	Dilution Refrigerator Technology - Cool path to Quantum computing	The Subtle Art Of Quantum Braiding
	Accelerating Superconducting Quantum Computing Technology for Scalability and Performance	Scalable Quantum Control Electronics Platform with ML capability	Quantum Poetics: Where art meets science
	Reinventing HPC with Quantum – A year in perspective	Graphene Josephson Junctions To Realize Quantum Noise-limited Amplifiers & Broadband Bolometers	Quantum Harmonies: An artistic journey
	Quantum Computing in the Cloud	From Foundries to Frontlines: Scalable Quantum Technologies through Automation & Algorithmic Resilience	**Popular Lecture** Through Two Doors At Once
7:15 pm onwards	**Networking Dinner (Industry and Academia Delegates only)**		

Day 2: Friday, 1st August 2025

Time	Event		
09:30 am – 10:15 am	**Keynote Lecture**		
10:15 am – 11:00 am	**Panel Discussion** Creating a coherent ecosystem of Startups for Quantum Technologies in India		
11:00 am – 11:30 am	**Tea/ Coffee Break**		
11:30 am – 01:00 pm	**HALL 1** **Quantum in Healthcare**	**HALL 2** **Quantum in Security**	**HALL 3** **Quantum Peripherals and Hardware**
	Biomolecular Sensing With Quantum Sensors	QuIC lab's Advances in Quantum Communications: Free space QKD, Device independent Random Number Generation & Decoherence Control	*STIRAP*-inspired Robust Gates for a Super-conducting Dual-rail Qubit
	Panel Discussion Harnessing Quantum Technologies to address today's Healthcare Challenges	Silicon Photonics Technology for Chip-Scale Quantum Information Processing: Prospect and Challenges	Inverse Melting Of The Vortex Lattice In A Superconducting Thin Film
		Certifiable Quantum Randomness for Enhanced Data Security & Encryption	Atoms and ions based platforms for scalable and high fidelity quantum computing
		Device-independent Quantum Cryptography	Highly Localized and Energy Efficient Quantum Control of Spin and Spin Ensemble Qubits With Classical Nanomagnets For Scalable Quantum Computing & Sensing
01:00 pm – 02:00 pm	**Lunch and Visit to the Exhibition and Poster Zone**		
02:00 pm – 03:30 pm	**HALL 1** **Quantum in Computing, Finance & AI**	**HALL 2** **Quantum in Security**	**HALL 3** **Quantum Peripherals and Hardware**
	Smallest Quantum Error Correcting Codes For Amplitude-damping Noise	Drone to Drone QKD	Layered Materials as a Platform for Quantum Technologies
	Tensor-Factorized Hamiltonian Downfolding: Depth-Optimal Quantum Circuits for Many-Electron Wavefunction Emulation & Property Estimation	Leveraging Quantum Advantages in the Adoption of Quantum Safe Crypto Systems	Making of an Indigenous Dry Dilution Refrigerator at IUAC
	Toward Practical Quantum Computing: Meeting the Challenges	Cryptographic Hardware Acceleration for Emerging Security Applications	Spin Noise Spectroscopy As A Tool For Detecting Neutral Atoms And Magnetic Fields
	The Journey : Crafting a Photonic Quantum Computer from the Ground Up	Post-Quantum Cryptography: From the Point of View of Hardware Security	CMOS Cryogenic Controller Chips For Next Generation Scalable Quantum Computers
	QuEra Computing: Leading Quantum Innovation with Neutral Atoms	Quantum for Financial Transformation: Portfolio Optimization and Fraud Detection	
03:30 pm – 04:00 pm	**Tea/ Coffee Break**		
04:00 pm – 05:00 pm	**HALL 1** **Quantum in Society and Art**	**HALL 2** **Quantum uses cases from start-ups**	**HALL 3** **Quantum Peripherals and Applications**
	Panel Discussion Quantam and Society	Tightly integrating a GPU and a QPU for fast calibration of multi-qubit circuits	Using Qubit Automation for Developing the Quantum Supply Chai
		Enabling India's Quantum Leap	Enabling the Quantum Leap: India's Indigenous Drive for Quantum-Enabling Technologies
		Quantum Technologies have the Potential to Change the World	Leveraging Modern CMOS Technology for Quantum Computing
		Bridging Quantum-Inspired Optimization & Real-World Engineering Challenges	
		The Evolution of Fraud Detection From Rule-based Systems to Quantum Advantage	
05:00 pm – 05:45 pm	**Evening Plenary** **Building Quantum Technologies: A European strategy**		
05:45 pm – 06:15 pm	**Valedictory and Poster Awards**		

The summit featured over 25 sessions across five core tracks - Quantum Computing; Finance & AI; Healthcare & Security; Peripherals & Hardware; and Society & Art - illustrating the breadth of quantum applications. Keynotes by Nobel Laureates **Prof. Duncan Haldane** and **Prof. David Gross** set the tone for the event, complemented by a special plenary address by **Prof. Tommaso Calarco**, European Union Quantum Flagship and the Institute of Quantum Control, PGI-8, Germany. The agenda included focused panels on India's quantum roadmap, global collaboration, academic research, industry integration, and public engagement, showcasing how India is shaping a cohesive quantum ecosystem.

Throughout the summit, transformative ideas, indigenous innovations, and academic-industry partnerships came to life through a curated exhibition that offered attendees a first-hand look at Karnataka's and India's quantum innovation landscape. With participation from over 20 academic institutions, deep-tech startups, and research labs, the exhibition showcased emerging technologies in quantum computing, novel materials, secure communication, cryptographic protocols, and quantum sensing.

The inaugural **Quantum India Bengaluru 2025**, held on July 31st and August 1st, 2025, emerged as a landmark gathering for the global quantum science and technology community. The conference brought together Nobel Laureates, leading researchers, industry innovators, policymakers, and investors to advance discussions on India's role in shaping the quantum future. Under the leadership of India's foremost quantum experts and supported by international collaborations, the sessions explored key themes such as **Quantum Communication and Security, Quantum Computing, Quantum Materials, and India's National Quantum Mission**. With vibrant discussions, high-level keynotes, and global participation, Quantum India Bengaluru 2025 established itself as a premier platform for knowledge exchange, collaboration, and innovation in the rapidly evolving field of quantum technologies.

This prestigious event welcomed groundbreaking insights from two Nobel Laureates—**Prof. Duncan Haldane** (2016, Princeton University) and **Prof. David Gross** (2004, UC Santa Barbara)—who delivered thought-provoking keynote lectures that explored the promise of quantum sensing, computing, and the imperative of building infrastructure and talent for India's quantum future.

Quantum India Bengaluru 2025 brought together some of the most celebrated international voices in quantum science and technology, offering a rich blend of groundbreaking research, industry perspectives, and creative explorations. Sessions ranged from multi-electron entanglement in advanced materials, quantum braiding, and scalable quantum technologies, to the reinvention of HPC with quantum and the transformative potential of cloud-based quantum computing. The program also bridged science and art through unique explorations such as *Quantum Harmonies* and engaging popular lectures that made quantum concepts accessible to broader audiences.

International Speakers included:

- **Prof. Tommaso Calarco |** European Union Quantum Flagship, Germany
- **Prof. Songi Han** | Northwestern University, USA
- **Prof. Subir Sachdev** | Harvard University, USA
- **Prof. Giuseppe Mussardo** | SISSA, Italy
- **Prof. Smitha Vishveshwara** | University of Illinois, USA
- **Julia Thiele** | AWS, Germany **and more….**

Quantum India Bengaluru 2025 also spotlighted the strength of India's homegrown expertise in quantum research, technology, and policy. Sessions delved into cutting-edge advancements such as graphene Josephson junctions for quantum-limited amplification, novel qubit-resonator systems, and India's progress in satellite-based quantum key distribution. National initiatives took center stage with insights into the National Quantum Mission, DRDO's frontier research, and efforts on standardization and certification of quantum products—underscoring India's holistic approach to building a secure, scalable, and future-ready quantum ecosystem.

Speakers included:

- **Prof. R. Vijayraghavan |** TIFR, Mumbai
- **Dr. Anupama Ray |** IBM, Bengaluru
- **Prof . Milind Atrey |** IIT, Bombay
- **Dr. Anirban Mukherjee |** TCS, Mumbai
- **Dr. Senthil Kumar |** ISRO, Ahmedabad **and more…**

Participation Analysis

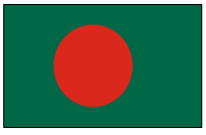
- 1951 Delegates
- 75 Speakers & Dignitaries
- 37 Exhibitors
- 19 Countries
- 77 Startups
- 132 Poster Registered
- 74 B2B Meetings
- 2180 Visitors

International Representation

AUSTRALIA

AUSTRIA

BANGLADESH

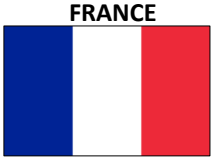


CANADA

DENMARK

FINLAND

FRANCE

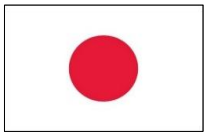


GERMA

ISRAEL

ITALY

JAPAN



NEPAL

NETHERLANDS

OMAN

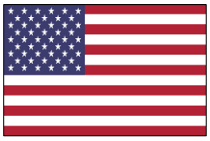
SAUDI ARABIA

SINGAPORE

SWITZERLAND

UK

USA

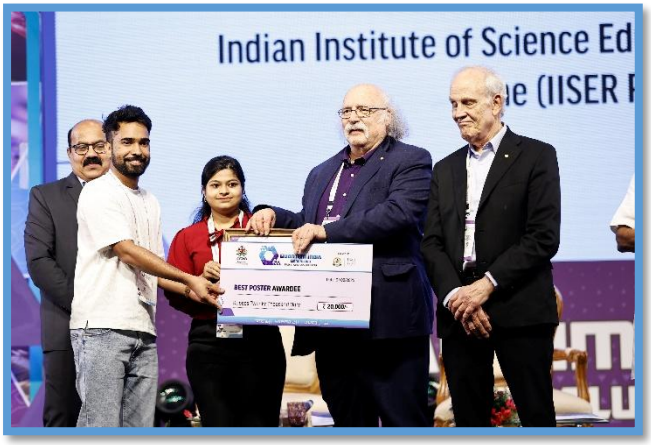


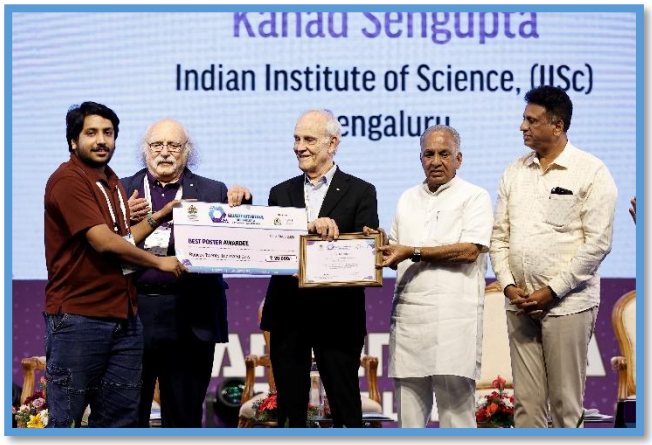
Awards

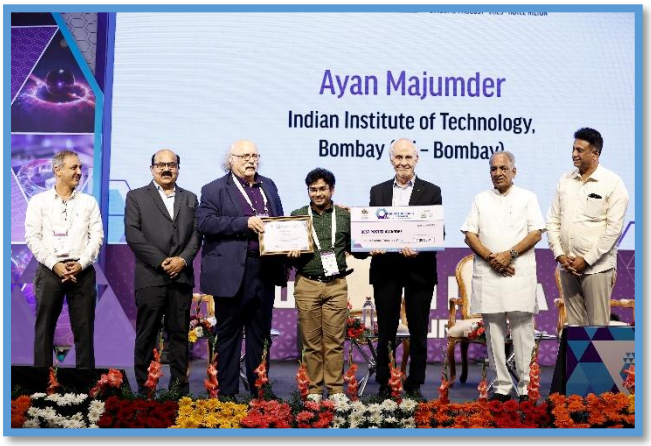
A key highlight of the summit was the announcement of the S. Pancharatnam Prize for Excellence in Quantum Science and Technology, instituted in honour of eminent Indian physicist S. Pancharatnam. Celebrating Indian researchers whose work bridges fundamental quantum science and real-world applications, the prize carries a formal citation and a cash award of ₹2 lakhs. **The inaugural honour was conferred on Dr. R. Vijayaraghavan, Associate Professor, Department of Condensed Matter Physics and Materials Science, Tata Institute of Fundamental Research (TIFR), Mumbai,** for his exceptional contributions to quantum measurements of conducting quantum circuits. His research has significantly advanced the understanding of quantum coherence, control, and measurement, helping to position India at the forefront of experimental quantum science.

Posters

A dedicated Poster Showcase, inaugurated alongside the exhibition, featured more than 41 research posters from scholars and doctoral researchers, providing diverse perspectives in areas such as quantum algorithms, hardware, and cryptography. Outstanding entries from the showcase were formally awarded during the valedictory session. Winners of the poster awards, each receiving a prize of INR 20,000, include: Shuvarati Roy, Indian Institute of Science Education and Research, Pune; Kanad Sengupta, Indian Institute of Science, Bengaluru; Ayan Majumder, Indian Institute of Technology, Bombay; Purna Pal, Indian Institute of Science, Bengaluru.







QIB Startup Pitch Fest, conducted by TiE Bangalore, selected six promising Startups to pitch to a panel of investors, venture capitalists, and research leaders. At the valedictory session, **Qosmic Satellite Systems Pvt. Ltd**. was conferred the 'Emerging Startup Award in Quantum Science and Technology' in recognition of its impactful contributions to the quantum domain. The winner received a cash prize of INR 2,00,000.

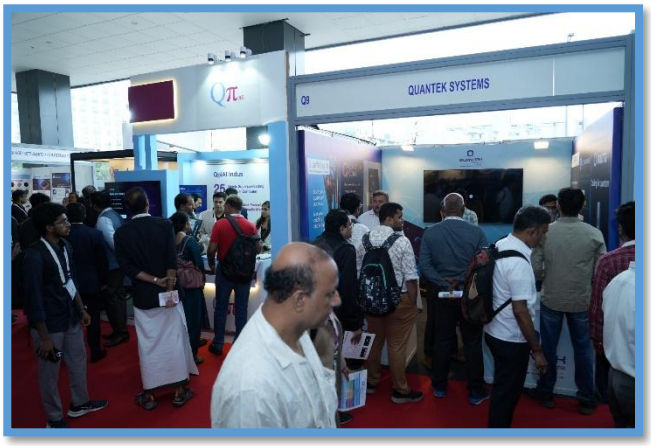
CLOSED DOOR MEETING -BOARD ROOM (POLICY MAKER, INDUSTRY CAPTAIN AND ACADEMIA)

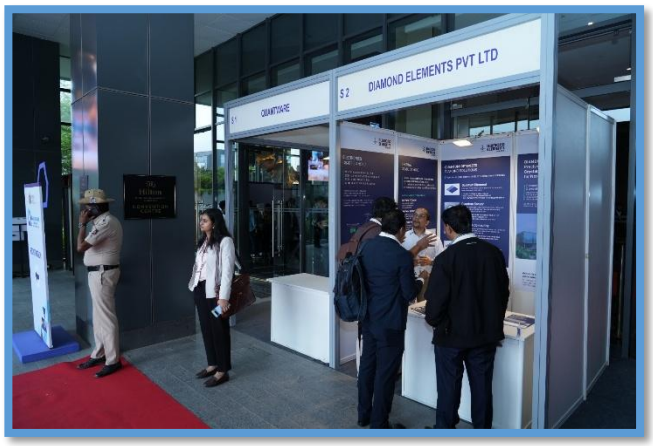
The roundtable discussions at QIB 2025 were strategic and action-oriented - merging policy, capacity building, startup ecosystem development, and global collaboration to lay a strong foundation for India's quantum future.

There were structured roundtable discussions;

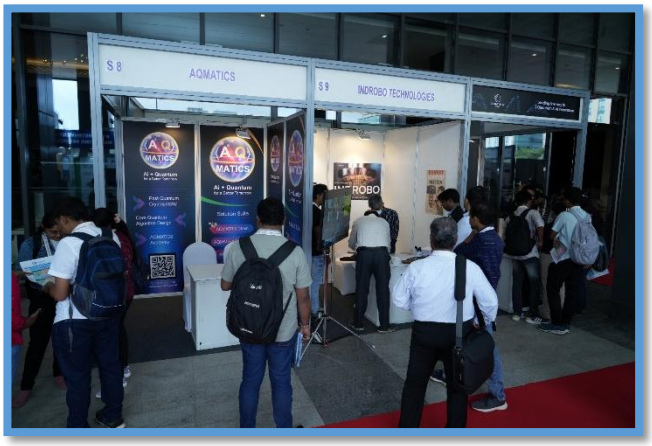
- Quantum Cyber Readiness roundtable - Meeting hosted by KDEM
- S&T Ministers Meeting along with DCM, IT & Bt Minister and industry representatives
- Nobel laureates Interaction with IISc Students
- Executive & technical committee interaction with Nobel laureates

They were 37 exhibitors from different sectors showcased their product and services. The leading exhibitors like NQM DST - Govt. of India, QpiAI, Applied Materials, Rigetti Computing, Quantum Machines, Quanfluence, Diamond Elements, D.Y.Patil International University, VTU, QuantWare, Eltech Consulting, BosonQ Psi, DRDO, IYQ, Taqbit, Quantrolox, Simco Global, QuRP & IQTI, Oxford Instruments India, VT Vacuum, SPECTEK, ATOS Instruments, New Age Instruments & Materials, Quantum Design, INCeNSE, AIMIL, Keysight, Secure Machines, Hanron Space, Quantumbiosciences, KwantumG Research Labs, AQ Matics Inc, AshaQS Systems, Quantum AI Global, Indrobo Technologies LLP, QOSMIC, Advanced Photonics were showcased at the Quantum India Bengaluru.





Exhibition Glimpses



Quantum India Bengaluru 2025 proved to be a landmark platform for **accelerating quantum technology collaborations** in India and globally. **InterlinX - AI-driven partnering tool**, successfully enabled targeted **Business-to-Business (B2B)** engagements that translated into concrete opportunities for delegates.

By leveraging smart profiling, pre-scheduled matchmaking, and direct messaging, the platform transformed networking into actionable partnerships, positioning the summit as a catalyst for India's emerging quantum ecosystem.

Highlights of Success

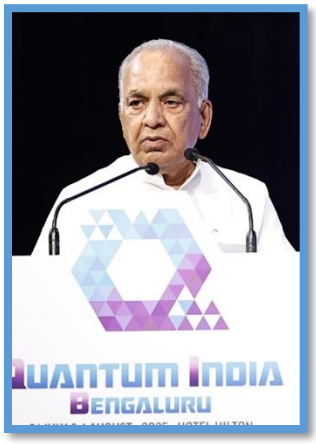
- Overwhelming Engagement: Over 860+ registered participants, representing academia, industry leaders, investors, and policymakers.
- High-Value Networking: More than 200 structured meeting requests exchanged on the platform.
- Concrete Outcomes: 62 confirmed one-on-one meetings successfully delivered, laying the groundwork for collaborative projects, investments, and policy dialogues.
- The success of the InterlinX-driven B2B module demonstrates a replicable model for future global quantum events, enhancing India's leadership role in the sector.

Metric	Result
Total B2B Registered Users	**863**
Meetings Accepted	**74**
Messages Exchanged	**224**
Meeting Requests/Exchanges	**212**
Onsite Meetings	**62**

Conclusion

The InterlinX - B2B meeting platform at Quantum India Bengaluru 2025 is extensively used by participants, proving the effectiveness of curated, AI- enabled matchmaking in driving real-world outcomes enabling meaningful collaborations.

The Summit concluded with a valedictory session on day 2, in the presence of **Shri N.S. Boseraju**, Hon'ble Minister for Minor Irrigation and Science & Technology, GoK, and **Dr. M.C. Sudhakar**, Hon'ble Minister for Higher Education, GoK. Also present were **Shri Sadashiva Prabhu B**, IAS, Director, Dept. of Science & Technology and Managing Director, Karnataka Science and Technology Promotion Society (KSTePS); **Prof. Arindam Ghosh**, Professor, IISc and QIB 2025 Conference Chair; **Prof. Akshay Naik**, Professor, IISc and QIB 2025 Conference Co-Chair. The session featured reflections on the summit's impact, recognition of key contributors, and a vote of thanks from the organisers, reaffirming Karnataka's commitment to nurturing a vibrant and inclusive quantum innovation ecosystem.



The promotional campaign for the inaugural Quantum India Bengaluru (QIB) successfully began with a nationwide media release, ensuring maximum visibility across India. This initial outreach established national-level awareness for the event. Building on this momentum, the focus then shifted to Karnataka, with state-specific stories and regional engagement driving deeper connections and participation.

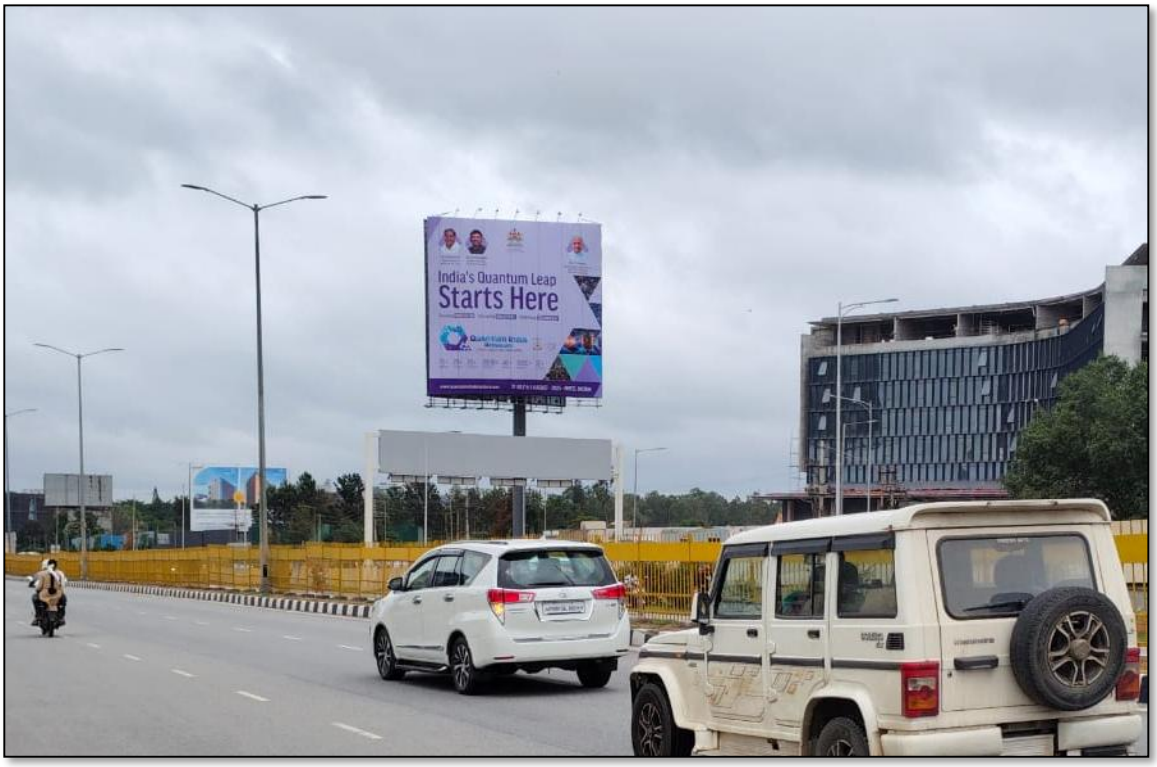
Newspaper Advts. Run-Up to QIB 2025			
Sr. No	**Date**	**Publication**	**Advt Size in Sqcm**
1	Tue, 15th July	Economic Times- All India Edition	600
2	Wed, 16th July	Deccan Herald- Karnataka Edition	400
3	Thu, 17th July	Economic Times- All India Edition	400
4	Tue, 22nd July	Times of India- Karnataka Edition	400
5	Wed, 23rd July	Economic Times- South Edition	400
6	Thu, 24th July	Deccan Herald- Karnataka Edition	400
7	Mon, 28th July	Times of India- Karnataka Edition	400
8	Tue, 29th July	Hindu- Karnataka Edition	400
9	Wed, 30th July	Times of India- Karnataka Edition	400

Inaugural Advts. On 31st July 2025

Sr. No.	Publication	Advt. Size in Sqcm
	MM Activ Released	
1	Times of India- Karnataka Edition	823
2	New Indian Express- Karnataka Edition	800
3	Financial Express- Karnataka Edition	800
4	Business Line- Karnataka Edition	825
5	Economic Times- Karnataka Edition	823
6	Vishwavani- Karnataka Edition	800
7	Udaykala- Karnataka Edition	800
8	Samyukta Karnataka- Karnataka Edition	812.5
9	Kannada Prabha- Karnataka Edition	800
	Department Released	
10	The Hindu	825
11	Deccan Herald Karnataka	812.5
12	City Highlights Karnataka	800
13	Hosadigantha Karnataka	800
14	Udayavani Karnataka	812.5
15	Vijayavani Karnataka	812.5
16	Vijay Karnataka	822.5
17	Prajavani Karnataka	823
18	Vaartha Bharathi Karnataka	812.5
19	Sanjevani Karnataka	800
20	Eesanje Karnataka	800
21	Prajapragathi Karnataka	800
22	Business Standard Bengaluru	200

To establish a strong citywide presence, a targeted OOH campaign was executed across Bengaluru. The focus was on engaging a niche yet influential audience connected to quantum science, spanning academia, research, and high-tech industries.

- **Hoarding** - A large-format hoarding measuring 60 ft x 60 ft was installed on Airport Road towards the city, just before the toll. Strategically positioned, this high-impact placement ensures maximum visibility to commuters entering Bengaluru. The site was chosen to capture attention from both local and inbound travellers at a critical junction.



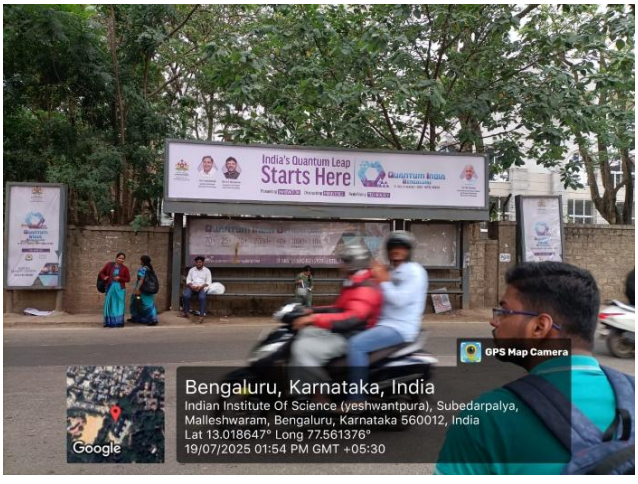
- **Bus Shelters** – Bus shelters near research institutions and corporate hubs ensured repeated exposure to daily commuters. These placements were key in building consistent recall among our target audience during high footfall hours.

CV Raman Road towards Mekhri Circle

CV Raman C.P.R.I towards Yeshwanthpur

Adugodi

Manyatha Embassy Business Park



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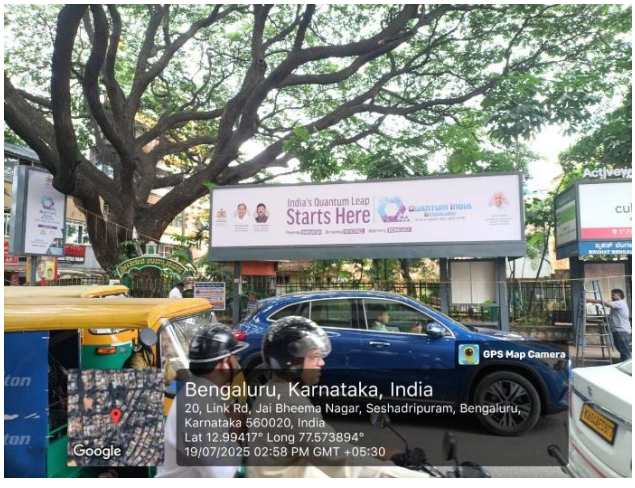
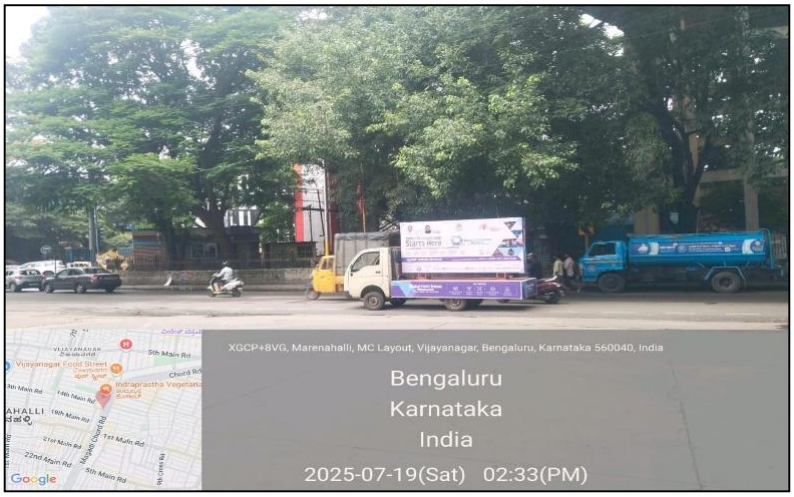


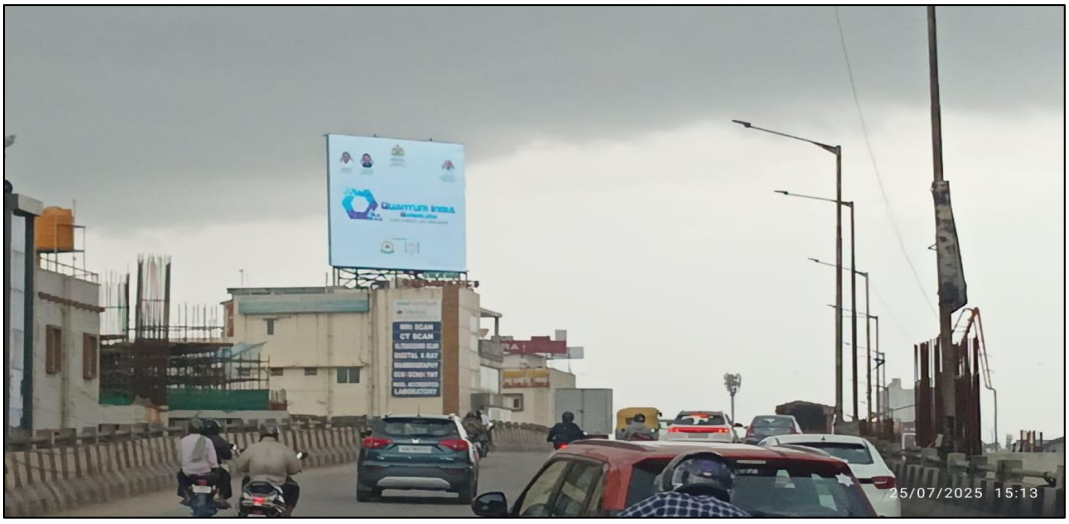
Seshadripuram

J.P. Nagar near Dental College

- **Mobile vans** - Mobile vans were deployed over multiple days to enhance on-ground visibility for the summit. Acting as moving digital displays, they carried the campaign message across key zones in the city. Routes were strategically planned to pass through areas near research institutions and industries relevant to quantum science. This ensured focused outreach to the summit's core target audience.

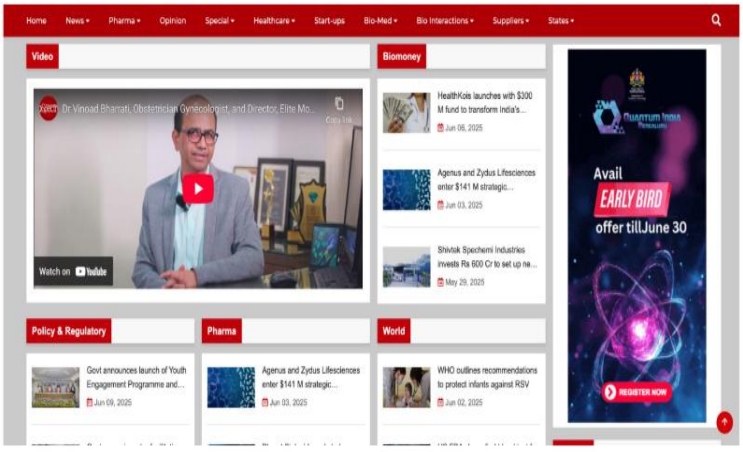


LED hoardings were deployed at key, high-traffic locations in Bengaluru to boost city-wide visibility for the inaugural Quantum India Bengaluru (QIB) event. These included prominent sites like Manyata Tech Park, the Sankey Road Flyover, and Bangalore Cantonment. The campaign effectively created buzz and awareness across the city in the lead-up to the event.



Given the niche nature of Quantum Technology, strategic partnerships were established with sector-specific magazines and portals to extend the event's reach to a highly targeted audience. Among the key publications approached were Current Science, where three advertisements were published to ensure strong visibility within the academic and research community, as well as BioSpectrum and Chemical Weekly, both of which cater to the biotech and chemical science sectors, respectively.

Current Science



Bio Spectrum

RADIO

The Quantum India Bengaluru 2025 radio campaign created strong buzz across the city in association with BIG FM 92.7 and Radio City 91.1. The campaign featured two catchy jingles, one in English and one in Kannada, that connected with diverse listeners. With 94 on-air spots amounting to nearly 2400 secondages, the messaging had strong recall across audiences. Popular RJs further amplified the campaign with engaging mentions, adding credibility and reach. This blend of music, language, and conversations ensured Quantum India Bengaluru stood out as a must-attend innovation summit, resonating with both the tech community and the wider city audience.

English Jingle

Kannada Jingle

For the Quantum India Bengaluru (QIB) first edition, a robust social media campaign was executed across all major platforms to maximize outreach. The primary objective was to spread awareness, build an engaged audience, and ensure visibility for this inaugural edition, and the results clearly reflect the effectiveness of the strategy in positioning QIB as a high-impact knowledge and innovation platform right from its launch.

A key factor behind the large number of delegates was the targeted engagement with the quantum research ecosystem, startups, academia, industry, and policymakers, which converted online buzz into strong on-ground participation.

Karnataka bets on quantum tech, targets to grow to $20-billion economy by 2035

Our Bureau
Bengaluru

To transform Karnataka into a $20-billion quantum economy by 2035, the State Government will establish Q-City, a dedicated quantum technology hub, on the outskirts of Bengaluru. The mission aims to generate 10,000 high-skilled jobs and position Karnataka as the Quantum Capital of Asia over the next decade.

The initiative will be driven by the Karnataka Quantum Mission (KQM), which includes a ₹1,000 crore fund to support research, talent development, infrastructure, and start-ups. Speaking at the inauguration of the Quantum India Summit 2025, Chief Minister Siddaramiah said, "Karnataka has long been India's technology and innovation capital, with strengths in IT, biotechnology, and research. Bengaluru's legacy as a knowledge hub makes it the ideal host for this summit. Our vision is to make this platform a global hub for collaboration, innovation, and real-world quantum applications."

The theme of the event, 'Building a Quantum Ecosystem: Qubits to Society,' elaborates on translating quantum research into solutions for healthcare, defence, finance, and governance.

The event was organised by the Department of Science & Technology, Government of Karnataka, in partnership with IISc's Quantum Technology Initiative (IQTI) and supported

Chief Minister Siddaramiah

by the National Quantum Mission.

QUANTUM SKILLING

The State Government plans to introduce quantum skilling programmes in over 20 colleges and support 150 PhD fellowships every year. It aims to develop quantum systems, including 1000-qubit processors, and pilot real-world applications in healthcare, defence, and cybersecurity.

Karnataka will establish India's first Quantum Hardware Park, four innovation zones, and a dedicated FabLine to boost domestic manufacturing of quantum components. The State aims to nurture over 100 start-ups, facilitate 100-plus patent filings, and launch a Quantum Venture Capital Fund to help start-ups scale.

The Minister for Science & Technology and Minor Irrigation, NS Boseraju added that by creating over two lakh direct jobs in the quantum computing sector, Karnataka aims to capture 20 per cent of the global quantum technology market share by 2035, with strategies already being formulated to achieve this.

Speaking at the summit, he said, "The country's first commercially deployable quantum computer, developed locally in Bengaluru, is already delivering commercial services. Developed by our own Kannadigas and indigenous industry, this computer is not just a proof of concept but a testimony to determination," he stated.

The Minister further said that the Quantum Research Park at IISc Bengaluru has supported over 55 R&D projects and 13 start-ups.

Govt. will focus on establishing Karnataka as a global exporter of quantum solutions, says CM

State govt. has announced ambitious vision for 2035 to create $20 billion quantum advantage-driven economy

2 Nobel Laureates among speakers at Quantum India Bengaluru Summit

BENGALURU, DHNS: The two-day first edition of the Quantum India Bengaluru Summit will see about 70 speakers across the globe including two Nobel Laureates participating in the event.

The Summit, scheduled to be held on July 31 and August 1, is jointly organised by the Karnataka Science and Technology Promotion Society (KSTePS) and the Department of Science and Technology, Government of Karnataka, in association with the Quantum Technology Initiative of the Indian Institute of Science (IISc).

The inaugural summit will be centered around the theme 'Building a Quantum Ecosystem: Qubits to Society'. Some of the key topics of focus include Quantum Computing: Finance and AI; Quantum Peripherals and Hardware; Quantum in Healthcare and Security; and Quantum in Society and Art.

In addition to the plenary talks, the summit will also feature a multi-track conference, a platform for startup pitches and showcase, and an international exhibition. The summit is bringing in two Nobel Laureates to headline keynote sessions—Professor Duncan Haldane (2016 Nobel Laureate), and Professor David Gross (2004 Nobel Laureate).

Speaking about Karnataka's strong presence in the Year of the Quantum at the curtain raiser, N S Boseraju, Minister for Minor Irrigation and Science and Technology, said, "This summit will mark the opening chapter to put Karnataka in the global quantum map. It is a revolutionary initiative and reflects the state's strong focus on scientific progress and deep tech research and development."

IISc professor Arindam Ghosh has been appointed as the Conference Chair, and professor Akshay Naik is the co-chair.

Nobel laureate: India must build labs, encourage talent

QUANTUM TECH

Rs 1,000 crore to power Karnataka's quantum mission

Q-city to come up near B'luru; state aims at 10k jobs

ASRA MAVAD
BENGALURU, DHNS

CM Siddaramaiah unveils the 'Quantum Roadmap'. DH PHOTO/RANJU P

> By 2035, we aim to create 10,000 high-skilled jobs and establish Karnataka as the Quantum Capital of Asia. This will greatly benefit the common citizens – enabling early disease detection, secure communication and smarter agriculture.
>
> SIDDARAMAIAH, Chief Minister

Chief Minister Siddaramaiah on Thursday said a Rs 1,000-crore fund has been allocated for Karnataka's Quantum Mission that will focus on R&D, skilling, infrastructure and startups.

The announcement was made as part of Karnataka's Quantum Roadmap that was launched at the inaugural edition of the Quantum India Bengaluru Summit on Thursday.

The ambitious roadmap lays out Karnataka's plan to become a global quantum capital by 2035 and build a $20 billion quantum economy. A dedicated Quantum Task Force will helm the missions, and Q-city, an integrated quantum hub that will come up near Bengaluru, will be at the centre of the innovation.

"The Q-city will integrate academic institutions, innovation centres, manufacturing clusters for quantum hardware, processors, ancillary units and R&D clusters supported by quantum HPC data centres," said N S Boseraju, Minister of Minor Irrigation, Science and Technology.

The CM said the roadmap will be driven by five pillars – talent development, research and development excellence, infrastructure creation, industry support and global partnerships.

To promote talent development, the government will introduce quantum skilling programmes in over 20 colleges, announced the CM.

"Karnataka will develop India's first Quantum Hardware Park, four Innovation Zones, and a dedicated FabLine to boost domestic manufacturing of quantum components," he said.

▸ Quantum, Page 3B

'ಕ್ವಾಂಟಮ್ ಮಿಷನ್‌ಗೆ ಸಾವಿರ ಕೋಟಿ'

నెలాఖరున క్వాంటమ్ ఇండియా బెంగళూరు సమ్మిట్

మీడియా సమావేశంలో మంత్రి బోసరాజు తదితరులు

Discover, invent and then make in India: Nobel laureate David Gross

He expresses dissatisfaction with the govt. spending in R&D and points out that it is way lower than the global average

The Hindu Bureau
BENGALURU

For 'Make in India' to become a success, India should "first discover, then invent and then make," said David Gross, American theoretical physicist and co-recipient of 2004 Nobel Prize in Physics.

Delivering the keynote address at the second day of Quantum India Bengaluru 2025, he said, "To compete with better and cheaper goods from abroad, one has to first have new technology based on science."

Recollecting the 'Make in India' slogan that he came across nine years ago while attending the Indian Science Congress in Mysuru he said, "You have to invent in India, but you can't just invent by relying on science done elsewhere. So, I think the correct slogan is discover, then invent, and then make." Mr. Gross, who helped establish the International Centre for Theoretical Sciences in Bengaluru, expressed hope in the country's future and acknowledged the contributions of Indian scientists and technicians to scientific, technological developments.

David Gross, co-recipient of 2004 Nobel Prize in Physics, speaking at the first edition of Quantum India Bengaluru Summit 2025 in Bengaluru on Friday. SPECIAL ARRANGEMENT

However, he expressed dissatisfaction with the government spending in research and development (R&D). "India's growth expenditure and R&D has more than doubled since that last 10 years. But as a percentage of the GDP, which has increased much more rapidly, gross spending on R&D remains at an incredibly low level of 0.64%," he said, pointing out that it is significantly lower than the global average. "We're lagging behind countries like China by a factor of 4, the U.S. by over a factor of 5, countries like Israel by almost a factor of 10. I don't understand why this has been happening in the last 10 years. There are many reforms that have been initiated but many have not. But this is the overriding number in my opinion," Mr. Gross criticised.

Suggestion

If the Central government was unwilling to increase the R&D spending, Mr. Gross suggested that State governments like Karnataka, and industries and individual scientists must step up.

Commenting that it was impressive of the Karnataka government and the scientists of the State to engage in quantum science initiatives, he said, "Discover, invent, and make in Bengaluru."

'Govt-backed quantum computing surge lacks private sector spark'

Sanjana B
Bengaluru

Prof Arindam Ghosh, Conference Chair of QIB 2025 and IISc-Bengaluru professor

India has secured over $800 million in quantum computing investments, said Prof Arindam Ghosh, Conference Chair of QIB 2025 and IISc-Bengaluru professor, which, while highlighting significant government contribution, points to a lag in private funding.

Speaking on the sidelines of the Curtain Raiser for the Quantum India Bengaluru Summit (QIB 2025), he explained, "Cumulatively, India received about ₹4,000 crore from the Department Of Science & Technology (DST), about ₹1,200 crore from the Defence Research and Development Organisation (DRDO), from ISRO. However, China has a stronger investment in quantum computing and quantum communication. Their's is at least five times more than any other country, giving them an advantage in the communication space."

In April 2023, the Union Cabinet approved the National Quantum Mission (NQM), an initiative by the Government of India to propel the nation to the forefront of quantum technology research and development.

As part of this mission, which will span from 2023-24 to 2030-31, the country will dedicate a budget allocation of ₹6,003.65 crore to the cause.

VC INTEREST

On the other hand, private venture companies are also slowly taking note of this technology, he said.

"Our goal is to sensitise VC players. We receive inquiries about their interest in investing in quantum start-ups. There will be a significant enhancement in the VCs becoming active only if we can come up with a use case, like in healthcare and other areas."

In the US, large tech firms like Google, Microsoft and IBM are competing among themselves to win the quantum computing race.

Alongside, the US government has also given over $1.2 billion as seed funding to develop the quantum ecosystem, the professor said.

"For quantum computing to become a reality in India, large companies need to see business value in it — that's when the ecosystem will truly take off. So far, progress hasn't happened at the pace or scale we had hoped, but I believe that will change. At present, quantum start-ups largely rely on shared infrastructure. As they scale, they'll be able to set up their own in-house capabilities, including quantum processors. We're building shared infrastructure units that start-ups can access to validate their ideas and attract investor interest," he said.

SELF-RELIANCE

Ghosh also highlighted that India must create hardware for self-reliance, without which the country will be at a disadvantage both strategically and security-wise.

"We keep urging DRDO and other institutions to invest in quantum technologies. Whether or not it leads to immediate commercialisation, the investment needs to happen now. Unlike AI, where GPUs can be sourced at a relatively low cost, quantum computing poses strategic challenges. Even if you approach a company tomorrow and request a 1000-qubit processor, the host country can refuse supply," he said.

ENHANCING RESEARCH

In June 2025, the Karnataka Cabinet, chaired by Chief Minister Siddaramaiah, approved the establishment of the second phase of the Quantum Research Park in Bengaluru, in collaboration with the Indian Institute of Science (IISc).

The park, which will be developed on the IISc campus with an allocation of ₹48 crore, will enable the creation of advanced infrastructure, enhance research and development capabilities, and nurture a skilled quantum-ready workforce.

It will provide shared access to laboratories and research equipment and function as a hub for academia, start-ups and industry to collaborate on next-generation quantum technologies.

कर्नाटक जल्द ही क्वांटम एक्शन प्लान का अनावरण करेगा : एनएस बोसराजू

क्वांटम इंडिया बेंगलूरु शिखर सम्मेलन 31 जुलाई और 1 अगस्त को

दक्षिण भारत राष्ट्रमत
dakshinbharat.com

बेंगलूरु। कर्नाटक को क्वांटम प्रौद्योगिकियों के लिए एक वैश्विक केंद्र के रूप में स्थापित करने के उद्देश्य से एक बड़ी घोषणा में, लघु सिंचाई, विज्ञान और प्रौद्योगिकी मंत्री एन.एस. बोसराजू ने घोषणा की कि एक 'कर्नाटक क्वांटम एक्शन प्लान' तैयार किया जाएगा और बाद में मुख्यमंत्री द्वारा इसका अनावरण किया जाएगा। जवाहरलाल नेहरू प्लेनेटेरियम में आयोजित क्वांटम इंडिया बेंगलूरु 2025 कार्यक्रम के कर्टेन रेजर में बोलते हुए, मंत्री बोसराजू ने क्वांटम प्रौद्योगिकी के उभरते क्षेत्र में कर्नाटक को अग्रणी बनाने के लिए राज्य की प्रतिबद्धता पर प्रकाश डाला।

उन्होंने इस बात पर जोर दिया कि मुख्यमंत्री सिद्धरामय्या और उपमुख्यमंत्री डीके शिवकुमार के नेतृत्व में कर्नाटक की कांग्रेस सरकार राज्य को भारत की क्वांटम राजधानी के रूप में स्थापित करने के लिए सक्रिय कदम उठा रही है। आईटी और एयरोस्पेस की तरह, कर्नाटक क्वांटम डोमेन में भी अपनी मजबूत पहचान बनाने के लिए काम कर रहा है। क्वांटम प्रौद्योगिकियां पहले से ही विभिन्न क्षेत्रों में एक परिवर्तनकारी भूमिका निभा रही हैं, जो आर्थिक और सामाजिक प्रगति में महत्वपूर्ण योगदान दे रही हैं।

उन्होंने कहा, भारत की नवाचार राजधानी होने के नाते, बेंगलूरु में पहले से ही क्वांटम उन्नति का समर्थन करने के लिए आवश्यक पारिस्थितिकी तंत्र मौजूद है। इसी पृष्ठभूमि में 31 जुलाई और 1 अगस्त को क्वांटम इंडिया बेंगलूरु शिखर सम्मेलन आयोजित किया जाएगा। विशेष रूप से, शिखर सम्मेलन में क्वांटम भौतिकी के दो नोबेल पुरस्कार विजेताओं - प्रो. डंकन हाल्डेन (नोबेल पुरस्कार 2016) और प्रो. डेविड ग्रॉस (नोबेल पुरस्कार 2004) द्वारा मुख्य भाषण दिए जाएंगे - जो भारत और कर्नाटक के लिए एक गौरवपूर्ण क्षण होगा।

कर्नाटक ने अन्य राज्यों की तुलना में क्वांटम क्षेत्र में महत्वपूर्ण प्रगति की है। विश्व स्तरीय शैक्षणिक संस्थानों, तकनीकी प्रतिभा और उन्नत औद्योगिक आधार की मौजूदगी कर्नाटक को एशिया का क्वांटम हब बनने की क्षमता प्रदान करती है। आगामी कर्नाटक क्वांटम एक्शन प्लान इस गति को और बढ़ाएगा।

मंत्री बोसराजू ने यह भी कहा कि कर्नाटक क्वांटम एक्शन प्लान तैयार करने के लिए इस क्षेत्र के अग्रणी विशेषज्ञों से युक्त एक क्वांटम टास्क फोर्स का गठन किया जाएगा। क्वांटम इंडिया बेंगलूरु 2025 शिखर सम्मेलन 31 जुलाई और 1 अगस्त को आयोजित किया जाएगा, और इसका उद्घाटन मुख्यमंत्री सिद्धरामय्या और उपमुख्यमंत्री डी.के. शिवकुमार करेंगे।

उद्घाटन के दिन, 2016 के नोबेल पुरस्कार विजेता प्रोफेसर डंकन हाल्डेन मुख्य भाषण देंगे। दो दिनों तक चलने वाले इस शिखर सम्मेलन में निम्नलिखित विषयों पर गहन चर्चा और विशेषज्ञ आदान-प्रदान होंगे। इलेक्ट्रॉनिक्स, आईटी, बीटी और एसएंडटी विभागों की प्रमुख सचिव डॉ. एकरूप कौर; केएसटीईपीएस के निदेशक श्री सदाशिव प्रभु; शिखर सम्मेलन के निदेशक प्रोफेसर [illegible]; और शिखर सम्मेलन के सह-निदेशक प्रोफेसर अक्षय नाइक आदि इस अवसर पर उपस्थित थे।

'Quantum tech has the power to transcend metro boundaries in State'

The Hindu Bureau
BENGALURU

Stalls exhibited Quantum science experiments during the first edition of Quantum India Bengaluru 2025 in Bengaluru on Thursday. ALLEN EGENOLF J

Karnataka's Quantum computing push is not just about Bengaluru, but about anchoring quantum-led innovation across emerging tech clusters in Mysuru, Mangaluru, and Hubballi, as the technology has the power to transcend metro boundaries to unlock entrepreneurship, advanced R&D, and high-value employment across the State, said Sanjeev Kumar Gupta, CEO, Karnataka Digital Economy Mission (KDEM).

He was speaking at the Quantum India Bengaluru (QIB) 2025, held over two days to highlight Karnataka's growing leadership in quantum science and technology. The State would soon have the most comprehensive quantum ecosystem, anticipated by many experts who spoke at the event on Friday.

The summit featured 24 multi-track sessions across five thematic streams, from Finance to Arts. It also had participation from over 20 academic institutions, deep-tech startups, and research labs. Diverse speakers highlighted the importance of large-scale reskilling initiatives to support translational deep-tech growth across quantum computing, communication, and sensing (mostly in healthcare and surveillance) to develop India's own quantum technologies.

A poster showcase featured more than 41 research posters from scholars and doctoral researchers, providing diverse perspectives in areas such as quantum algorithms, hardware, and cryptography.

Winners of the poster awards who each received a prize of ₹20,000, included Shuvarati Roy, Indian Institute of Science Education and Research, Pune; Kanad Sengupta, Indian Institute of Science, Bengaluru; Ayan Majumder, Indian Institute of Technology-Bombay; Purna Pal, Indian Institute of Science, Bengaluru.

It event was jointly organised by the Karnataka Science and Technology Promotion Society (KSTePS) and the Department of Science and Technology, State Government, in collaboration with the IISc Quantum Technology Initiative (IQTI), in alignment with the National Quantum Mission.

K'taka to unveil quantum action plan at B'luru summit

State govt to soon constitute task force to prepare it

ASRA MAWAD
BENGALURU, DHNS

Key components of plan

- Integrating quantum education at various levels of the academic ecosystem
- Establishing cutting edge research infra in collaboration with institutions like IISc
- Provide targeted support to startups and industries in quantum computing, communication and cryptography
- Draft policies to encourage innovation in quantum domain

"Karnataka is already leaving a mark in the quantum space compared to other states. Under the leadership of the Chief Minister and Deputy Chief Minister, the Government of Karnataka is taking proactive steps to establish the state as a Quantum Capital of India. We have the potential to conquer this space, like we have done in the field of IT and aerospace."
N S Boseraju, Minister for Minor Irrigation and Science and Technology

Karnataka will unveil a 'Quantum Action Plan' at the inaugural edition of the Quantum India Bengaluru Summit, announced minister N S Boseraju on Tuesday, as the state looks to strengthen its footprint in a key technology.

The action plan will be unveiled by Chief Minister Siddaramaiah at the inaugural edition of the summit scheduled to take place on July 31 and August 1.

"The Quantum Action Plan will be a strategic roadmap that will harness Karnataka's full potential to build a sustainable quantum ecosystem. This will help in harnessing international collaborations," said Boseraju, the Minister for Minor Irrigation and Science and Technology, at a curtain raiser event in Bengaluru's Jawaharlal Nehru Planetarium.

The plan will lay out the next step in the education and manufacturing sectors, he stated.

Some key components of the action plan include integrating quantum education at various levels of the academic ecosystem and establishing cutting-edge research infrastructure in collaboration with institutions like IISc. It will also provide targeted support to startups and industries in quantum computing, communication and cryptography and draft policies and regulatory frameworks to encourage innovation in the quantum domain. A Quantum Task Force, comprising leading experts in the field, will soon be constituted to formulate Karnataka's action plan.

"While we're working with the IISc, we are also having discussions with multiple private educational institutions to get an understanding about the future of quantum and where it will belong in our state," he said.

• Quantum, Page 7

Q-city near B'luru to power K'taka's quantum leap

EXPRESS NEWS SERVICE
@Bengaluru

THE Karnataka government on Thursday launched the Karnataka Quantum Mission (KQM), pledging an investment of Rs 1,000 crore to accelerate research, infrastructure, talent development and startup growth in the quantum technology sector.

A major highlight of the initiative is the proposed Quantum City (Q-City) — an integrated quantum technology hub to be established near Bengaluru. Q-City will host research centres, manufacturing units and advanced data infrastructure. The announcement was made during the inaugural session of Quantum India Bengaluru 2025, a two-day international summit on quantum science and technology, organised by the Karnataka Department of Science and Technology in collaboration with the Indian Institute of Science's (IISc) Quantum Technology Initiative.

Chief Minister Siddaramaiah, who inaugurated the event, said the event's theme — Building a Quantum Ecosystem - Qubits to Society — reflects the government's goal of translating complex quantum research into solutions that can benefit key sectors.

He said the government's Quantum Vision 2035 aims to build a $20 billion quantum economy. For this, a Quantum Technology Task Force will be set up to frame policy and supported by a series of initiatives, including dedicated quantum parks, manufacturing zones and the Q-City innovation hub. Q-City, the CM said, will play the same role in quantum tech that Bengaluru once did for IT.

Science and Technology Minister NS Boseraju announced that with plans to create over two lakh direct jobs, Karnataka is targeting 20% of the global market share in the quantum sector. A Karnataka Quantum Roadmap was also released during the event.

Boseraju said Karnataka expects to have quantum chip fabrication capabilities operational by the end of this year. "To prepare the next generation of quantum talent, a quantum curriculum will soon be introduced at the higher secondary level in both English and Kannada, under the Stream Labs initiative."

Nobel laureates Prof Duncan Haldane (left) and Prof David Gross during the inauguration of the Quantum India Bengaluru Summit | NAGARAJA GADEKAL

FIVE PILLARS OF QUANTUM STRATEGY — The CM outlined the government's roadmap built on five foundational pillars

- **Talent Development:** Launch of quantum skilling programs across 20+ colleges and provision of 150 PhD fellowships annually
- **R&D Excellence:** Focus on advanced quantum systems, including the development of 1,000-qubit processors and real-world deployments in cybersecurity and healthcare
- **Infrastructure Creation:** Establishment of India's first Quantum Hardware Park, four Innovation Zones, and a dedicated FabLine to manufacture quantum components
- **Industry Support:** Promotion of over 100 startups, filing of 100+ patents, and the creation of a Quantum Venture Capital Fund
- **Global Partnerships:** Engagement with international institutions and platforms such as the India Quantum Conclave

Pancharatnam Prize

The state government announced the institution of the Pancharatnam Prize for Excellence in Quantum Science and Technology, named in honour of physicist S Pancharatnam, who conducted his pioneering work at the University of Mysore and the Raman Research Institute. The prize will be awarded to Indian nationals whose contributions bridge fundamental quantum science and its practical applications. The inaugural award was given to Prof Rajamani Vijayaraghavan from Tata Institute of Fundamental Research.

'Maha's IT firms welcome'

DCM DK Shivakumar said Karnataka is open to IT companies that want to move from Maharashtra and they will get all the support they need. Speaking to the media, he said, "We welcome all IT companies planning to shift from Maharashtra. Karnataka will provide them with the right infrastructure and help them grow."

K'taka plans quantum skilling in 20 colleges

Bengaluru: Laying out a roadmap to make Bengaluru the Quantum Computing capital of Asia in the next 10 years, Karnataka govt said on Thursday that it would develop a pool of 10,000-plus trained quantum technology professionals and fund 100 quantum startups.

▸ FULL COVERAGE | PAGE 5

Speaking at the 'Quantum India Bengaluru 2025' conference, CM Siddaramaiah said: "Our goal is to build a $20-billion quantum economy in the next ten years, creating jobs and cutting-edge research that benefits society." He said quantum skilling programmes will begin in over 20 colleges.

5-PILLAR STRATEGY

- Quantum skilling in 20+ colleges and support for 150 PhD fellowships annually
- Launch of India's first Quantum Hardware Park and four innovation zones
- A dedicated FAB line to make quantum components locally
- Facilitate over 100 patent filings; launch Quantum VC Fund
- Global collaborations via initiatives and partnerships with international institutions

The state plans to build a Quantum City in Bengaluru to create two lakh high-skilled jobs and capture 21% of the global quantum tech market by 2035. TNN

Karnataka will soon unveil Quantum Action Plan: Boseraju

Mini Tejaswi
BENGALURU

Karnataka is set to unveil Quantum Action Plan, a comprehensive strategy focused on research, skilling, innovation, infrastructure, and international collaboration, N.S. Boseraju, Minister for Science and Technology, has announced.

Speaking at an event held to announce the two-day Quantum India Bengaluru Summit (QIB 2025) from July 31 in the city, he said the event would mark the beginning of a "bold and strategic journey for Karnataka as the State positioned itself at the forefront of quantum science and technology".

Quantum ecosystem

According to Mr. Boseraju, Karnataka, in partnership with the Indian Institute of Science and the Department of Science and Technology, was currently in the process of laying the foundation for a robust quantum ecosystem.

Quantum computing is a rapidly developing field of computer science that utilises the principles of quantum mechanics to solve complex problems that are beyond the reach of classical computers.

Arindam Ghosh of IISc, an expert in quantum computing and QIB 2025 conference chair, told *The Hindu* on the sidelines of the event, "Quantum computing may be in the initial stages in India, although the U.S and China have already made significant progress. However, India, and especially Karnataka, has a ready and growing ecosystem to root the growth and development of QC. It is important that India has its own processor to ensure safety and security and not depend on processors and supercomputers built by foreign companies."

Quantum India summit rolls out measures for building strong ecosystem

Quantum Mission is a natural progression for state: Priyank

Itinerary for Day 2

[illegible]

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Roundtable on state's roadmap

[illegible]


INAUGURAL HALL STAGE
QUANTUM INDIA
BENGALURU
31 JULY & 1 AUGUST • 2025 • HOTEL HILTON


QUANTUM INDIA
BENGALURU
31 JULY & 1 AUGUST • 2025 • HOTEL HILTON
INAUGURAL HALL LED

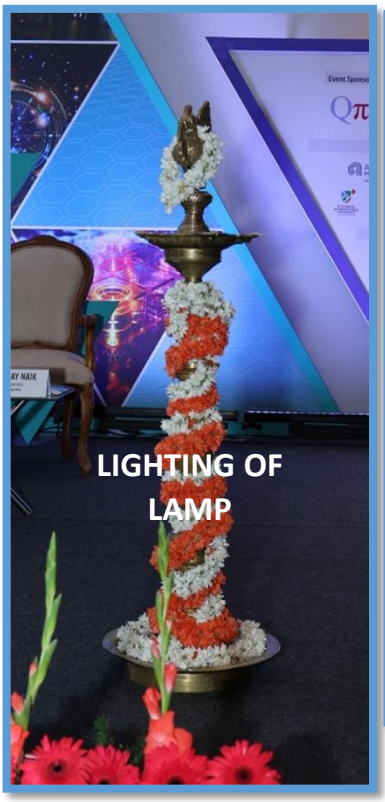

INAUGURAL HALL SOFA SEATING


INAUGURAL HALL SOFA SEATING


INAUGURAL HALL DELEGATE SEATING


INAUGURAL HALL DELEGATE SEATING
CONFERENCE COMMITTEE

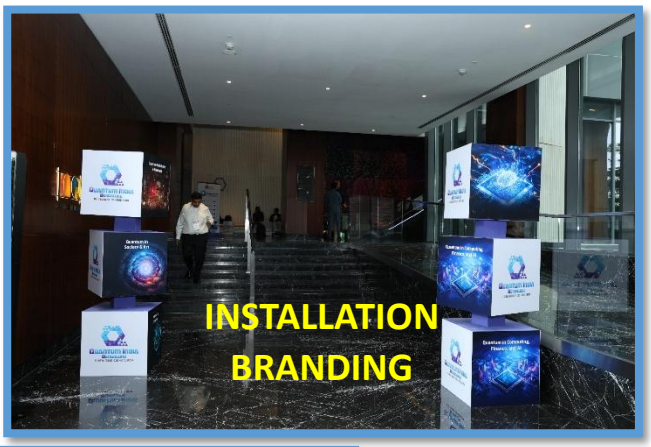

CONSOLE BRANDING IN INAUGURAL HALL
QUANTUM INDIA
BENGALURU

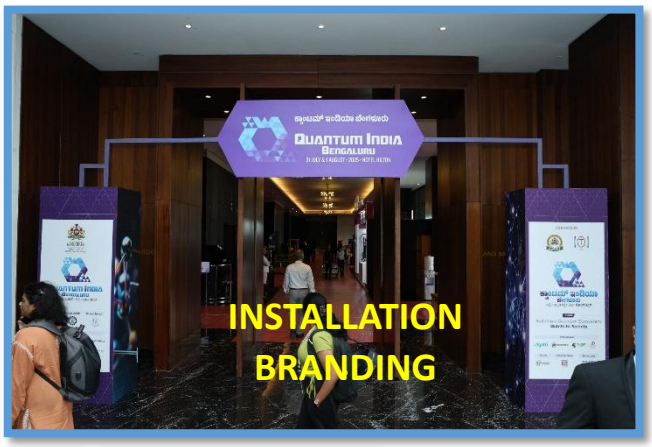

LIGHTING OF LAMP

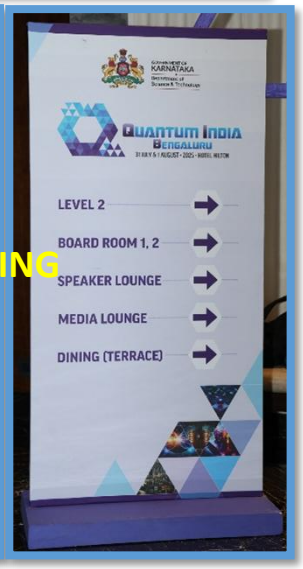

QUANTUM INDIA
BENGALURU
31 JULY & 1 AUGUST • 2025 • HOTEL HILTON
PODIUM BRANDING


Shri Siddaramaiah
Hon'ble Chief Minister
Government of Karnataka
Shri D. K. Shivakumar
Hon'ble Deputy Chief Minister
Government of Karnataka
WELCOME
QUANTUM INDIA
BENGALURU
Shri M.B. Patil
Shri Krishna Byregowda
Shri Priyank Kharge
Dr. M.C. Sudhakar
Shri N. S. Boseraju
WELCOME BRANDING

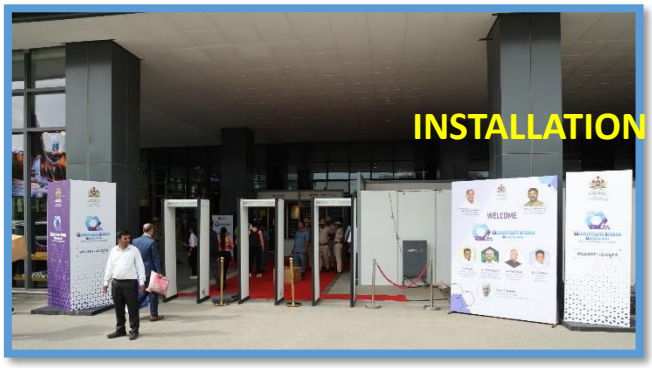

LOUNGE & HALLS BRANDING
Board Room - 1
STUDIO 1
Ministers Lounge
STUDIO 2
Speaker Lounge
STUDIO 3
Board Room - 2
STUDIO 4
Media Lounge
STUDIO 5
HALL 3
STUDIO 6 & 7
HALL 2
GRAND BALLROOM 1
HALL 1
GRAND BALLROOM 2 & 3

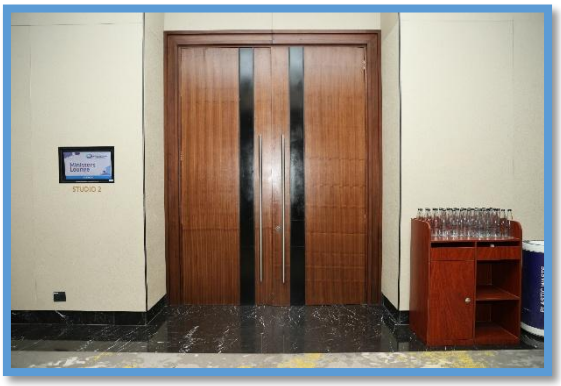






INSTALLATION BRANDING




STUDIO 2

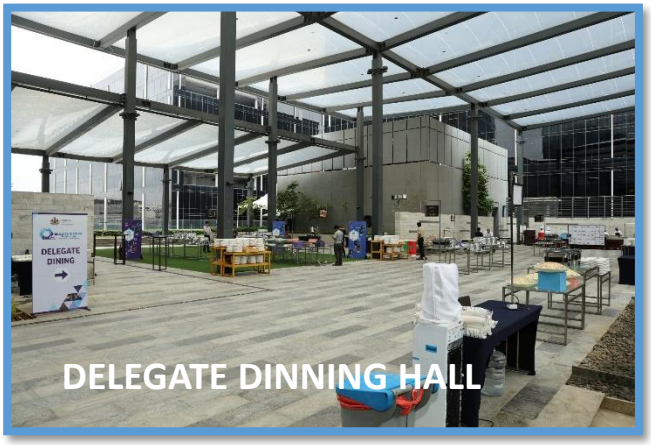

QUANTUM INDIA BENGALURU
HALL 3
STUDIO 6 & 7


QUANTUM INDIA BENGALURU
Speaker Lounge
STUDIO 3


QUANTUM INDIA BENGALURU
Board Room - 2
STUDIO 4


QUANTUM INDIA BENGALURU
Media Lounge
STUDIO 5


STUDIO 5

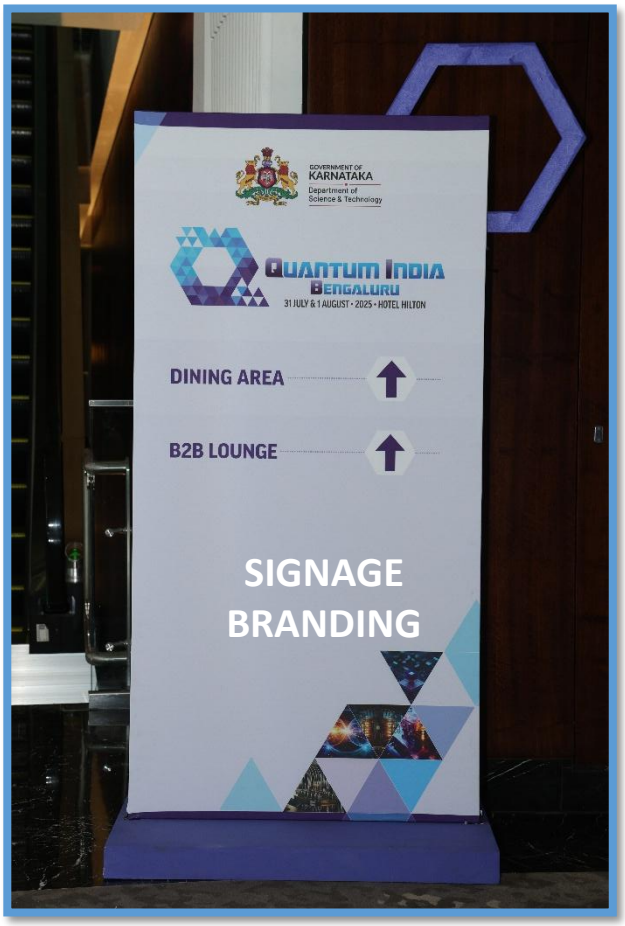

DELEGATE DINNING HALL


SPEAKER DINNING HALL


B2B MEETING ROOM BRANDING


LED BRANDING


LED BRANDING
MEDIA LOUNGE
SPEAKER LOUNGE
BOARD ROOM 2
BOARD ROOM 1
SIGNAGE BRANDING


DINING AREA
B2B LOUNGE
SIGNAGE BRANDING

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