



By Technology Transfer & Collaboration Division and SIRD Newsletter Editorial Team

**E**stablished under the Government of India's flagship Atal Innovation Mission (AIM), the Atal Incubation Centre at Bhabha Atomic Research Centre (AIC-BARC) was launched in October 2020 as one of the Department of Atomic Energy's (DAE) Aatmanirbhar Bharat initiatives. AIC-BARC's mission is to foster startups and emerging entrepreneurs, opening new employment avenues and partnering with MSMEs to scale up and adapt BARC technologies for industrial use.

In line with AIM guidelines, 'AIC BARC Anushakti Foundation' was incorporated as a Section 8 company under the Ministry of Corporate Affairs on March 29, 2025, and is now known commercially as AIC-ANUSHAKTI. Supported by BARC and owned by the DAE, the company is managed by a Board of Directors appointed by Director, BARC. With a share capital of Rs. One Lakh, AIC-ANUSHAKTI aims to nurture a vibrant, sustainable technology translation ecosystem focused on advanced, globally competitive technologies.

### Mission and Vision

AIC-ANUSHAKTI is committed to becoming a leading state-of-the-art incubation centre in deep technology, promoting creativity, innovation, and entrepreneurship. Its vision is to be among the top incubation centres in India, facilitating the commercialization of cutting-edge technologies and supporting the country's drive towards self-reliance.

### Incubation Programs and Partnerships

To date, AIC-ANUSHAKTI has signed 15 incubation agreements with startups and MSMEs. Eight incubation programs are based on BARC's in-house spin-off technologies, including:

- *X-band LINAC Technology for Medical Applications (Panacea Medical Technologies, Karnataka)*
- *Water Treatment Plant using Electron Beam Accelerator (AnandSparX Technology, Surat)*
- *Alkaline Water Electrolyzer for Hydrogen Production (Pratishna Engineers, Mumbai)*
- *Handheld Gamma Spectrometer using Cesium Iodide Single Crystal (Ace-Ex Industries, Mumbai)*
- *Nisarguna Biogas Technology (Gir Gau Jatan Sansthan, Rajkot)*
- *Process System for Clean-up of Oil-contaminated Wastewater (ONGC Energy Centre, Delhi)*
- *Chitosan-based Sustainable Crop Formulation (Vasantdada Sugar Institute, Pune)*
- *Plasma pyrolysis of methane for zero-emission hydrogen (Hyurja Pvt. Ltd, Mumbai)*

Notably, Ace-Ex Industries and AnandSparX Technology have successfully graduated from the program, having completed their prototypes and are moving towards commercialization phase.

### Collaborative Incubation and Mentorship

AIC-ANUSHAKTI has also entered collaborative incubation agreements with four additional incubatees, where BARC scientific community mentors industry partners for co-development. These collaborations cover technologies such as Hydrogen Production via the Iodine Sulphur Thermo-chemical Process, Biogas Optimization from Biodiesel By-products, Bio-



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available Nutraceutical Formulations, and Sensor Electrodes for Food Safety Devices.

### Fostering Startup Entrepreneurship

Entrepreneurship incubation for startups with low capital requirements is underway, with companies like M/s. Wastech Pvt. Ltd and M/s. Cassion, Mumbai, selected through workshops and pitching sessions. These initiatives ensure that BARC's technologies reach a broader base of entrepreneurs, supporting innovation at multiple levels.

### Future Roadmap

With its registration as a Section 8 company, AIC-ANUSHAKTI will soon appoint a CEO and incubation managers to oversee daily operations. The centre's scope will expand to include technology transfer, consultancy, training, and incubation services. Currently operating from the DAE Convention Centre, AIC-ANUSHAKTI will shift to a dedicated facility at Project House situated in the vicinity of AERB (Anushakti Nagar), further strengthening its incubation capabilities.

By bridging government research and industry, AIC-ANUSHAKTI is poised to play a pivotal role in India's innovation and entrepreneurship ecosystem, translating advanced technologies into impactful commercial solutions.



Group photograph of participants and coordinators at a Start-up Entrepreneurship Workshop conducted by TT&CD, BARC at DAE Convention Centre in May 2024 under the auspices of Atal Incubation Centre-BARC.