

### N.1: One day interaction meeting on “Fostering RRCAT- Industry Partnership with Technology Transfer & Incubation”

A one-day interaction meeting on “Fostering RRCAT- Industry Partnership with Technology Transfer & Incubation” was organized at Convention Centre, RRCAT, Indore on 24<sup>th</sup> August 2022 as a part of DAE Iconic Week celebration under Azadi ka Amrit Mahotsav. The objective of this interaction meeting was to familiarize the industries with DAE & RRCAT activities and new initiatives towards technology transfer and incubation. Seventy representatives from various start-ups and different industrial sectors working on various domains including automobile, metal-processing, manufacturing, food processing, advanced instrumentations, electrical power supply, solar products, farming, jewellery, software development, participated in the meeting.



*Dr. S. V. Nakhe, Director, RRCAT lighting the lamp during the inauguration of interaction meeting.*

During the inauguration address, Dr. Shankar V. Nakhe, Director, RRCAT described the recent developments leading to special emphasis on technology transfer and incubation for self-reliance and employment generation through partnership with industries using DAE technologies and expertise. He invited industries to explore the possibilities to work together to deliver right product at right place at right time. Shri Shrikrishna Gupta, Raja Ramanna Fellow presented an overview of DAE contribution for nation building in various domain of life. The special contributions of RRCAT in the field of lasers, accelerators and associated technologies through R&D programmes were highlighted by Shri G. Mundra, Director, Technology Development & Support Group, RRCAT. Dr. C. P. Paul, Convener, Incubation Centre-RRCAT introduced the participants about the DAE Technology Transfer & Incubation Framework. Dr. Paul also spoke about the various partnership opportunities available to the industries through the incubation centre to achieve the mission of 'Atmanirbhar Bharat'. During open interaction session, the participants actively discussed various issues pertaining to special promotion to start-ups, exclusive licencing of technologies, the effect of irradiated food products, and

compact energy storage devices.



*Visit to various RRCAT laboratories by interaction meeting participants.*

The participants also visited to various indigenously developed facilities such as vacuum brazing facility, liquid nitrogen based refrigeration, laser additive manufacturing, laser cutting and welding, and synchrotron radiation source (Indus-2). This was the first interaction meeting with industries through Incubation Centre to foster strong and long-term relationship to utilize the DAE technology and expertise. Industry participants expressed that they would come up with technology transfer and incubation proposals for the development of commercially viable products.

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### N.2: Certificate course on “Additive Manufacturing: Principle, Technologies & Applications”

A certificate course on “Additive Manufacturing: Principle, Technologies & Applications” was inaugurated by Dr. S. V. Nakhe, Director, RRCAT, Indore and Prof. S. S. Joshi, Director, Indian Institute of Technology Indore (IITI) on 24<sup>th</sup> September 2022 at 15.00 hrs. The inauguration session started by welcoming all the dignitaries, participants, and faculty members to the course. 49 participants (excluding participants from host institutes - IITI and RRCAT) registered for the course. Out of which, 16 were from industries, 12 were faculty members from various academic institutions, and 21 were research scholars/ students/ startup entrepreneurs.

During his inaugural address, Dr. S. V. Nakhe, Director, RRCAT emphasized that additive manufacturing (AM) is going to play an important role in the Indian industry in a major way and nurturing AM experts is important. At present, unlike conventional manufacturing processes, there is a dearth of trained manpower in AM. Therefore, this certification course on additive manufacturing by expert teams from RRCAT and IITI is going to contribute in a big way to this AM-evolving