

N.1: Workshop on “Intellectual Property Rights” at RRCAT, Indore

A one-day workshop on “Intellectual Property Rights” was organized at Convention Centre, RRCAT, Indore by DAE-Intellectual Property Right (IPR) Cell and Incubation Centre-RRCAT on February 3, 2023. The workshop was sponsored by Administrative Training Institute (ATI), DAE. The objective of the workshop was to create awareness about IPR and its impact on commercialization of the developed technologies; to introduce the patent filing provisions and elaborate patent filing procedure of DAE; and also to discuss and resolve the difficulties faced while processing patent applications. The workshop was attended by 82 nominated officers and 18 HBNI Ph. D. scholars.

During the inauguration address, Dr Shankar V. Nakhe, Director, RRCAT briefed about the importance of IPR in present context and emphasized on adopting professional approach with an awareness about the potential commercialization of the developed know-how to develop marketable products/processes. The first session of the workshop was conducted by Smt. Anuradha Maheshwari, where she gave a brief overview on IPR, PCT filling and International Patents, journey from patent to technology, conversion of the novel research works into patents and benefits of patent search for searching novelty in technology.



Smt. Anuradha Maheshwari briefing about IPR to workshop participants.

Subsequently, Shri. Dani Rajiah, Head, IPR Cell, DAE introduced DAE patent filing methodology and procedure to the participants. He also shared his experience in managing patent filling cases. Thereafter Shri Daniel Babu explained DAE technology transfer framework to the workshop participants. Later, Dr. C. P. Paul, Head, Technology Transfer Cell (TTC) gave a brief overview of DAE incubation framework and various initiatives taken at RRCAT for commercialization of developed know-how. He also explained the support being offered by TTC and Incubation Centre-RRCAT to technology developer to translate the RRCAT developed technology into a successful product or process. The workshop concluded with the vote of thanks by Shri Praveen Agarwal, Co-convenor, Incubation Centre-RRCAT.

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N.2: Four incubation and one technology transfer agreement signed during 40th Foundation Day celebration of RRCAT

RRCAT is closely working with many industries/ start-ups to translate the RRCAT developed technologies to industries, MSMEs and start-ups contributing towards the self-reliance mission of Government of India through incubation and technology transfer activities. Dr. Shankar V. Nakhe, Director, RRCAT signed four incubation agreements with various industries/start-ups and exchanged the documents for one technology transfer on 40th Foundation Day celebration of RRCAT on Feb. 20, 2023. Shri K. N. Vyas, Chairman, Atomic Energy Commission and Secretary, Department of Atomic Energy (DAE), Government of India was the Chief Guest for the function with Prof. U. Kamachi Mudali, Vice-chancellor, VIT Bhopal and former Chief Executive, Heavy Water Board, DAE as Guest of Honour.

‘TVASHTR’ is selected as commercial name for LAM-DED technology going in public domain. First agreement was signed with a new start-up Unnati 5G Manufacturing System Pvt. Ltd., Navi Mumbai, which will be catering the product in academia and R&D labs by providing a cost-effective TVASHTR in the price range of ₹50 - 100 lakhs. Mr. Hrishikesh V. Iyer, CEO, Unnati 5G exchanged the incubation agreement.



Dr. S. V. Nakhe, Director, RRCAT (second from left) exchanging incubation agreement with Hrishikesh V. Iyer, CEO, Unnati 5G Manufacturing System Pvt. Ltd., Navi Mumbai. Shri K. N. Vyas (at center) and Prof. U. Kamachi Mudali (first from right) gracing the occasion.

Next agreement was signed with M/s VFuse Metal 4 Manufacturing Pvt. Ltd., Bhopal, a new start-up for the incubation of TVASHTR with the target market segment for VFuse is Indian industries and National Labs and projected price of TVASHTR is in the price range of ₹ 200 - 350 lakhs. Mr. Manoj Jain, CEO, M/s VFuse Metal 4 Manufacturing Pvt. Ltd., Bhopal exchanged the incubation agreement.



Dr. S. V. Nakhe, Director, RRCAT exchanging incubation agreement with Mr. Manoj Jain, CEO, VFuse Metal 4 Manufacturing Pvt. Ltd., Bhopal. Shri K. N. Vyas (at center) and Prof. U. Kamachi Mudali (first from right) gracing the occasion.

The third agreement was signed with M/s Lokesh Machines Limited, Hyderabad - a well-known name in CNC machines. The company has annual turnover of ₹ 200+ Crores with 15% export of the CNC machines in 22 countries across the globe. Lokesh will jointly develop the TVASTHR by developing an additive-subtractive machine and push the product to Indian and global market. The projected cost of the machine is in the range of ₹ 150 - 250 lakhs. Mr. M. Srinivasan, Director, Lokesh Machine Limited exchanged the incubation agreement.



Dr. S. V. Nakhe, Director, RRCAT (second from left) exchanging incubation agreement with Mr. M. Srinivasan, Director, Lokesh Machines Ltd., Hyderabad. Shri K. N. Vyas (at center) and Prof. U. Kamachi Mudali (first from right) gracing the occasion.

A collaborative incubation agreement for 'Circumferential TIG Welding – Special Purpose Machine (CTW-SPM)' was signed with M/s Metal and Membrane Pvt Ltd., Rau, Indore, wherein the technological expertise developed at RRCAT would be utilized to solve industrial problems as part of collaborative

incubation. Mr. Rahul Dalal, the founder of M/s Metal and Membrane Pvt. Ltd., Rau, Indore exchanged the incubation agreement.



Dr. S.V. Nakhe, Director, RRCAT (second from left) exchanging collaborative incubation agreement with Mr. Rahul Dalal, Founder, Metal and Membrane Pvt. Ltd. Rau, Indore. Shri K. N. Vyas (third from left) and Prof. U. Kamachi Mudali (second from right) gracing the occasion.

In addition, technology transfer (TT) of 'Agni-Rakshak' - a Raman optical fibre based distributed fibre sensor system has been licensed on non-exclusive basis to M/s Technica Fibre Tech Pvt. Ltd., New Delhi. Mr. Dhurv Goyal, CEO, Technica Fibre Tech Pvt. Ltd., New Delhi collected the TT agreement. Dr. Om Prakash, Head, Fibre Sensors & Optical Spectroscopy Section (FSOSS), RRCAT and Dr. Manoj Saxena, SO/G, FSOSS witnessed as technology developer.



Dr. S V. Nakhe, Director, RRCAT (third from left) exchanging technology transfer agreement with Mr. Dhurv Goyal, CEO, Technica Fibre Tech, New Delhi. Shri K. N. Vyas (third from right) and Prof. U. Kamachi Mudali (first from right) gracing the occasion.

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