Memorandum of Understanding

Between

Institute of Management & Technology, Dehradun

and

RI Instruments and Innovations India
and group companies

RINZTECH
Graphene Nano Solutions

and

TSK Vostok, Kazakhstan / Eurasia

CL.1. THE MoU

CL.1.1. This memorandum of understanding (MoU) was made and entered into at Dehradun on the day of 19th August 2023.

BY AND AMONG

CL.1.2. Institute of Technology and management (ITM) Dehradun is recognized as one of the first institutes in Uttarakhand state of India presiding pioneered education. The institute is grinding day by day under the visionary leadership of its chairperson. After establishing high standards of quality research and teaching learning is the different streams of Science, Technology, Engineering and Marketing (STEM), the institute under the guidance of its advisory board is working on application of computers to understanding and predicting the structures and properties of materials and their relationship to processing condition in order to reveal behavior at every length scale, from electrons to microstructure to engineered system. The aim for pursuing these kinds of works lies in the fact that the aim is identification and design of promising materials for new technologies using advanced computational methods to predict structure property relationships for nano-scale materials and design of new materials for energy storage and conversion using fast, scalable computational methods. The institute bears great potential to highlight the interdisciplinary achievements of computational communities and pinpoint future directions that are of broad interest in the branches like-Novel 2D materials, heavy hydrocarbons, Coarse-grained modeling, finite elements methods, machine learning, etc. to mention only a few.

CL.1.3. RI instruments and innovation India office at W6-11, Adarsh Nagar, Haldwani-2631389, Uttarakhand (INDIA) and its group company RINZTECH, New Zealand in Totara Street, Mount Maunganui 3150 Tauranga, New Zealand are privately owned company that have developed several patented systems and products, including Raman instruments and innovative graphene technology and being represented by its Founder & CEO and Imaging Director Dr. R. P. Joshi or his nominee, respectively.

(hereinafter referred to as "RIIII" and RINZTECH which expression shall, unless repugnant to the context and meaning thereof, be deemed to mean and include its successors, representatives, and permitted assigns) of the SECOND PART.

CL.1.4 "TSK-Vostok", Kazakhstan herein referred to as the "Side-3" is the highest scientific organization of the republic of Kazakhstan. It is a science organization working on material science research programs including the state scientific programs of Kazakhstan / Eurasian Union. The main activities of the TSK-Vostok are scientific research, analysis and forecasting of the development of science, priorities of science development and scientific personnel training, support, formation and coordination of scientific programs, promotion of international cooperation, innovation and investment in science-based development. The National Academy of Science of the republic of Kazakhstan has served the cause of science across the globe.

CL.2. PREAMBLE

CL.2.1. WHEREAS ITM (Dehradun), RIIII and RINZTECH and TSK-Vostok, Kazakhstan are interested in entering into an MoU with a view of sharing a common desire to explore, extend and strengthen the functional relationship between the Academic Institution and Industry, in order to share a common interest of disseminating the fruits of academic/scientific research to the benefit of Society herewith, sign this MoU on the following broad understanding.

CL.3. GENERAL

CL.3.1. ITM at its city office in Dehradun and Site location at Manduwala have enough infrastructure to develop new technology and instruments.

CL.3.2. RIIII at its sister plant RI nanotech and RINZTECH have enough infrastructure to develop new technology and instruments.

CL.3.3. RIIII, at its sister plant RI nanotech and RINZTECH, have enough skilled technical manpower to develop and manufacture the product based on research output.

CL.3.4. "TSK-Vostok", Kazakhstan has developed a wide network of international contacts. This experience and connections should be of great help in the development of an international center of repute for latest research in material sciences.

CL.3.5. The research work on genesis of Graphene Oxide from unexplored grasses, herbs and shrubs from the Shivalik hills which are chiefly composed of sandstone and conglomerate rock formations which contain a treasure of materials suitable for smart nanomaterials will open new vistas of interest across the globe.

CL.4. ACADEMIC AND DEVELOPMENT PROGRAMS

CL.4.1. The ITM (Dehradun), RIII, and RINZTECH and TSK-Vostok KAZ, Eurasia will support each other in promoting R&D of novel functional materials for societal cause, instrumentation, etc. and other activities of mutual interest.

CL.4.2. The faculty of ITM will work in the synthesis of materials, development of novel nanotechnology applications, instrumentation, energy and optoelectronics techniques and computational analysis of these materials, most specifically in multiscale modeling techniques. The basic theme of the work shall be in decomposition, pattern recognition, abstraction and algorithms.

CL.4.3. The ITM (Dehradun) , RIII, and RINZTECH and TSK-Vostok, Kazakhstan will work towards joint research projects, thereby mutually using facilities developed/to be developed at The ITM (Dehradun) , RIII, and RINZTECH and TSK-Vostok KAZ, Eurasia.

CL.4.4. Industry partners will financially support the R&D activities of mutual interest at ITM (Dehradun).

CL.4.5. All the parties will try to get funds from their resources and other funding agencies like the State Government/ Government of India/overseas agencies/organizations/companies India/overseas or the private sector as a grant.

CL.4.6. All parties agreed that during the period of MoU if any assets are created jointly, the ownership on that will be of all the parties in equal share.

CL.4.7. All parties may apply for collaborative research projects of mutual interest (India and overseas) to external funding agencies or any other such schemes of National or International Organizations and work in close association for the achievement of the targets set forth.

CL.4.8. Data generated through collaborative research will be published/patented by the consent of all the parties/organizations.

CL.4.9. The ITM (Dehradun), RIII, and RINZTECH and TSK-Vostok, Kazakhstan will work closely to generate appropriately trained manpower in the related areas through the organization of seminar/symposia, workshops, short term training courses besides R&D activities, etc.

CL.5. NODAL PERSON

CL.5.1. To contact for any reason, the nodal person of ITM Dehradun, is
Prof. H S Dhami, Chairman, Advisory Board of ITM Dehradun.
Email: drhsdhami@gmail.com Phone: +91-9412092611/9368681483

CL.5.2. To contact for any reason, the nodal person of RIII and RINZTECH is
Dr. Rajendra P. Joshi, Chief Executive Officer, and Managing Director,
W6-11, Adarsh Nagar, Haldwani-263139, Uttarakhand, India
Email: rjoshinano@gmail.com; rajendra@riztech.co.nz. Phone: +91-7983555425.

CL.5.3. To contact for any reason, the nodal person of TSK-Vostok, Kazakhstan is
Dr.Zhangozin Kanat, Managing Director,
Email: 4kzh@mail.ru , Phone: +7-7007772004,
and/or
Dr. Zhanabergenov Timurkhan, Chairman, Advisory Board TSK-Vostok,
Email: 4tkz@bk.ru , Phone: +7-7078519611

CL.6. DURATION OF MoU

CL.6.1. This MoU shall be valid for a period of 5 (Five) years from the date of signing. The duration may be extended with the consent of all parties under mutually agreed terms and conditions.

CL.6.2. The agreement also has the option of cancellation for all the contractual parties with a two months cancellation period which comes into effect on the first day of the month following the notification of other partners.

CL.6.3. It is further agreed that ITM (Dehradun), RIII, and RINZTECH and TSK-Vostok, Kazakhstan or their authorized representatives through periodic meetings (online/offline) will monitor the progress of this MoU. Any recommendation/change/modification/termination as introduced/suggested will be in writing and will be binding on all organizations.

CL.6.4. No party will use the name or logo of the other party in any activity without prior permission.

CL.6.5. This MoU is limited for R&D related activity and commercial activities are not the part of this MoU.

CL.7. Mediation/ Arbitration

The parties agree to use their best efforts to negotiate in good faith and settle any dispute that may arise or relate to this agreement or breach thereof. If such dispute, doubt or question, arising out of or in respect of this agreement or the subject matter thereof, cannot be settled amicably through ordinary negotiations by the parties, the same will be decided by arbitration with a Sole Arbitrator to be appointed mutually by both the parties in terms of the Arbitration and Conciliation Act, 1996. The venue of such Arbitration will be Dehradun or as applicable.

SEAL OF PARTIES

IN WITNESS WHEREOF, the parties hereto have signed this agreement of understanding the day, month, and year as mentioned herein before.

For and on behalf of Institute of Technology and Management, Dehradun	**For and on behalf of RI instruments and innovation India and RINZTECH.**	**For and on behalf of TSK-Vostok KAZ, Eurasia**
Name: Prof. H S Dhami **Designation**: Chairman, Advisory Board, ITM Dehradun	**Name:** Rajendra Pd Joshi **Designation:** Founder & CEO and Managing Director	**Name**: Dr. Zhangozin Kanat, **Designation:** Managing Director