

Memorandum of Understanding
On Students and Staff for Educational and Research
Purposes
Between



Indian Institute of Technology, Butibori

and



Raman Science Center and Planetarium, Nagpur

CL. 1 THE PARTIES:

Indian Institute of Technology, Butibori (Maharashtra, India) signed a Memorandum of Understanding with the “**Raman Science Center and Planetarium, Nagpur**” on 24 / 08 / 2023 as part of the G20 Initiative. This MoU is signed in view of exploring the possibilities between the parties in terms of research projects, joint organization of seminars, and training programs including exchange of professionals, technicians, and student visit programs for mutual benefit of both the parties involved. This Memorandum also seeks joint scientific endeavors by associated researchers, faculty members, and students of our institution. This MoU would give vast opportunities for Indian Institute of Technology, Butibori to mutually collaborate with one of the most prominent international science and research institutions of the country.



This Memorandum of Understanding (MoU) is effective from 1/09/2023 to establish an affiliation by and between “***Department of Innovation and Research, Indian Institute of Information Technology, Butibori (Maharashtra, India)***” *. Having an expertise in the areas of scientific, technological education and research, established as an institute of national importance by an special Act of Parliament of Republic of India

And

“***Raman Science Center and Planetarium, Nagpur***” **, an interactive science center affiliated with Nehru Science Centre Mumbai, under the National Council of Science Museums, Ministry of Culture, Govt. of India, henceforth referred by as “***RSCP***” of the Second Party, for the designated and above-mentioned purpose.

The aforesaid institutions are here-in-after referred to individually as *institute* and collectively as *institutes*.

CL.2 PREAMBLE/BACKGROUND OF MOU:

RECOGNISING the mutual interest in the fields of research, development, education, training, transfer of technology and dissemination of knowledge on long term non-commercial basis, and RECOGNISING the importance of institutes of higher education's role in promoting international collaboration and increased contribution of social development.

HEREBY agree to establish collaboration according to terms and conditions set out in the articles following hereunder.

WHEREAS, the globalization of higher education is providing an ever-growing range of opportunities for engagement with universities and organizations across the globe.

WHEREAS, to create a strong and viable science, research, and innovation system for high technology-led path for India as envisaged under the policy of Ministry of Science and Technology (2013), Government of India.

CL.3 GENERAL:

IITB and *RSCP* have many areas of common interest in academic, education and research such as Engineering and Sciences. Considerable advantage may be gained from their pursuit on a collaborative basis in the fields of academics, education and research, and administration.

NOW THEREFORE, *IITB* and *RSCP* have decided to enter into this Memorandum of Understanding (here-in-after referred to as *MoU*), which defines the framework for the cooperation of the two institutions set out in the following sections.

CL.4 PROPOSED OBJECTIVES AND EXPECTED OUTCOMES:

In consideration of the mutual promises set forth in this MoU, both organizations agree to the following collaborative activities in the academic areas of mutual interest, on a basis of equality and reciprocity. The objectives of the MoU are:

- (i) To prioritize the inclusive growth of the society and combining priorities of excellence and relevance.
- (ii) To promote innovation and entrepreneurship by covering and translating technology into products or processes.
- (iii) To encourage research relevant to industry.
- (iv) To encourage the mobility of experts from academia and *vice-versa*.
- (v) To device scheme for fostering academia-research-industry partnership.
- (vi) To foster resource-optimized, cost-effective innovations for the needs of humanity.
- (vii) To increase the standard of living of its citizens and to improve human health.
- (viii) To create a robust national innovation system.

CL.5 DURATION/VALIDITY/TERMINATION AND RENEWAL:

The Memorandum shall remain in force for a period of Five (05) years commencing from effective date. However, this period may vary from area of collaboration and collaborative programs. Institutions may extend the term by written agreement signed by both after review.

Any MoU between IITB and any other International or National Higher Education Institution may at any time during its period of validity, be terminated by one of the parties upon prior notice to the other party in writing not later than six months before the termination date. Once terminated, neither **IITB** nor **RSCP** will be responsible for any losses, financial or otherwise, which the other institutions may suffer.

However, **IITB** and **RSCP** will ensure that the provisions of this Memorandum shall continue to apply to all activities in progress until their completion.

The collaboration renewal will be initiated six months earlier and must renew before the date of termination.

CL.6 AMENDMENTS/MODIFICATIONS:

This MoU may be amended or modified by a written agreement signed by the representatives or concern persons of both institutes.

CL.7 IMPLEMENTATION AND MONITORING:

The parties shall on a regular basis, keep each other informed of and consult on procedure; progress and objective achieve or planned.

The parties shall set specific timeline beforehand and establish manner of monitoring and review of the execution of the area of cooperation and its objectives.

For proper implementation of all criteria and timely completion of the agreed objectives, the **IITB** may constitute a monitoring committee. The monitoring committee will review the annual progress of the collaboration and give suggestions if required. However, both parties will arrange six monthly mutual meeting to discuss the proper implementation and goal(s) achieved during that period. The **IITB** monitoring committee will consist of the following members:

1. Registrar (IITB) or its nominees as Chairperson,
2. Contact person of the MoU from IITB side (Member),
3. Contact person of the MoU from RSCP side,

Our Institute shall provide details of faculty to coordinate the program on its behalf. Further, a coordination committee consisting of a program coordinator from the side of **IITB** and a program coordinator from the side of **RSCP** will periodically review and identify ways to strengthen cooperation between the two institutions.

The parties may, with the mutual consent further extend the duration of collaboration.

CL. 8 INTELLECTUAL PROPERTY RIGHTS:

Ownership of any intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design, rights relating to computer software, and any other industrial or intellectual property rights) developed jointly during the course of this MOU shall be vested in both our institute and the RSCP organization to this Memorandum and cannot be shared with third party unilaterally.

Both institutes shall have the joint right to determine the commercial exploitation and disposition of such intellectual property, and both institutes shall make joint applications for the registration of the same. Before any registration or commercialization of any intellectual property takes place, the institutes agree to reach a separate agreement covering issues such as exploitation rights and revenue sharing.

Any publication regarding such intellectual property shall only be processed with the prior written consent of both institutes. However, such consent is not to be unreasonably withheld.

IITB shall be free to use perpetually the results arising out of the collaborating activities for its own internal teaching, research, educational, and publication purposes without the payment of royalties or other fees to the other party.

CL. 9 SIGNING AUTHORITY:

IITB and *RSCP* welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above.

<i>IITB</i>	And	<i>RSCP</i>	
Vyankatesh Deshpande Head of Institute Innovation Council (IIC)		Arnab Chatterjee Project Coordinator	
Robin Bansal Registrar IITB			

A1. List of Faculty / Scientist / Student Exchange Objectives:

- (i) The exchange of personnel to the mutual benefit of both institutions;
- (ii) To enrich the educational environment of our institutions through collaboration in teaching, research and development, and consultancy studies in the field of mutual interest;
- (iii) The exchange of academic information/materials on research and education programs, teaching and learning *etc.*;
- (iv) To increase educational opportunities through conducting lectures, and undertaking joint research;
- (v) To jointly publish research paper/article, publish books, monographs, and conference, seminar and workshop proceeding, *etc.*;
- (vi) Attachment of staff for purposes of curriculum development and review, upgrading of teaching and research skills;
- (vii) Organizing/Participating in seminars, symposiums, summer & winter school(s), and other types of academic discussions;
- (viii) Co-supervising post-graduate student(s);
- (ix) Supervising/Co-supervising graduate student(s);
- (x) Conducting study tours and joint consultancy work;
- (xi) Organizing joint academic program and/or field trips;
- (xii) Running jointly short courses, and break-term programmes;
- (xiii) Exchange of research components/parts of equipment for time being and knowledge resources;
- (xiv) To promote research collaborations through sharing of information, samples, digital records, data, photographs *etc.*;

- (xv) Jointly propose and engage in research or training programmes sponsored by funding agencies and to exchange on a reciprocal basis researchers and students for limited period;
- (xvi) To improve inter-institutional contacts by facilitating access to field areas, libraries, laboratories and through intellectual exchanges;
- (xvii) To provide both parties with more and better information about each other in order to improve inter-institutional understanding;
- (xviii) To mentor the faculty and student for their better academic carrier and future prospects such as providing expertise for establishment of laboratory, library, development of syllabus and new programs, working as bridge for establishing relation between educational institution and college, organizing training and workshop;
