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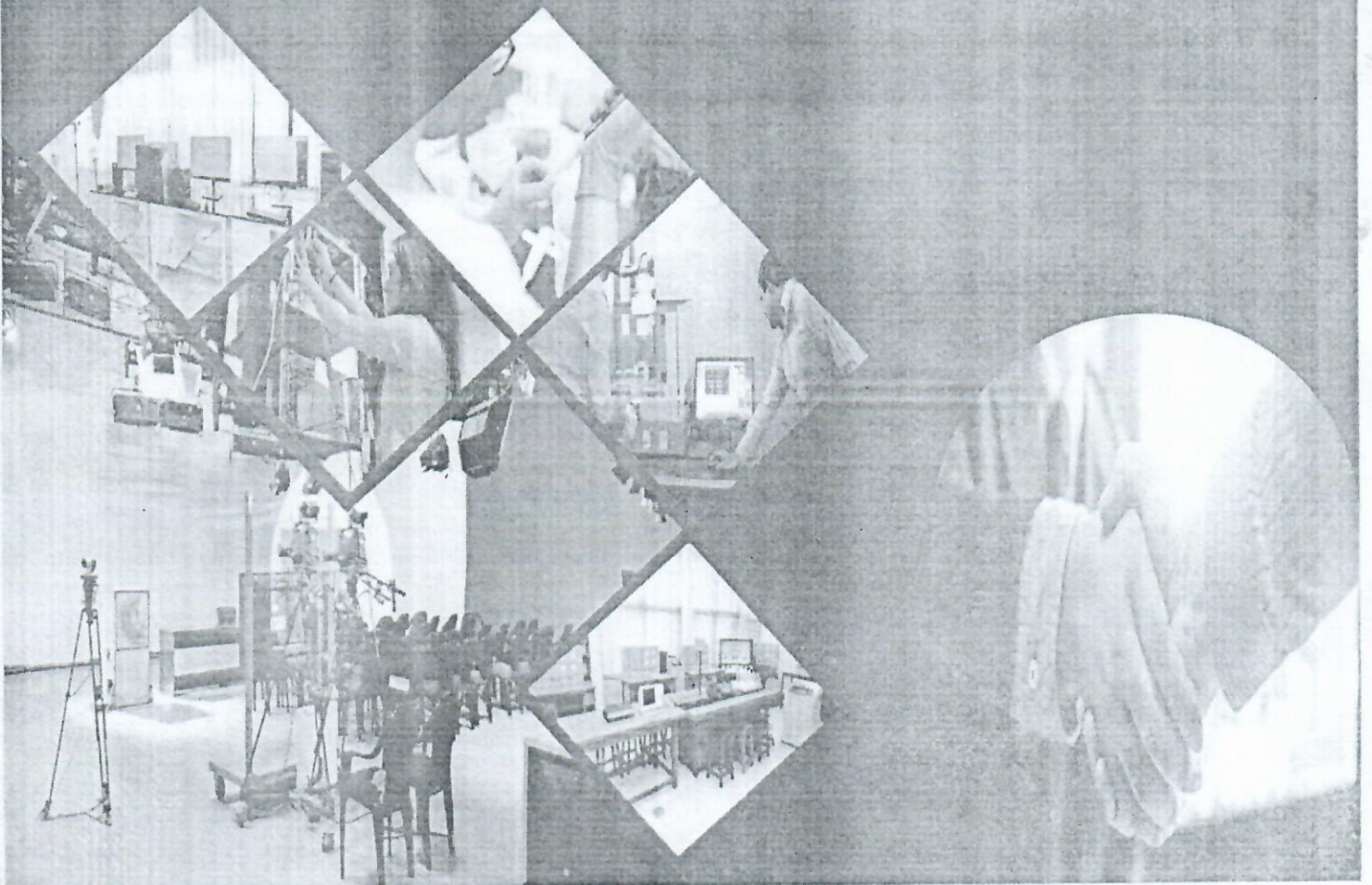
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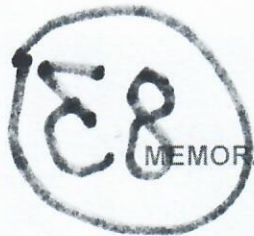
&

IIT ROPAR

**MEMORANDUM OF
UNDERSTANDING**

21 February 2023





MEMORANDUM OF UNDERSTANDING
BETWEEN
NATIONAL INSTITUTE OF
TECHNICAL TEACHERS TRAINING AND RESEARCH (NITTTR), CHANDIGARH
AND
INDIAN INSTITUTE OF TECHNOLOGY, ROPAR

1. PREAMBLE

National Institute of Technical Teachers Training and Research, Chandigarh (hereinafter referred to as NITTTR, Chandigarh) was established in the year 1967 by Ministry of Human Resource Development, Government of India with several objectives viz. training teachers of polytechnics (and Engineering Colleges, as added later on) through different types of courses, fostering and promoting research in improving classroom and laboratory instruction, preparing and supplying teaching aids and instructional materials, associating with other academic bodies of technical education to achieve quality improvement in academic programmes, collaborating with institutions and organisations in India and abroad having similar objectives and functions, and interacting with industries in formulating training programmes of mutual interest.

Indian Institute of Technology, Ropar is one of the eight newer Indian Institutes of Technology (IITs)[3] established by the Ministry of Human Resource Development (MHRD), Government of India under The Institutes of Technology (Amendment) Act, 2011 to expand the reach and enhance the quality of technical education in the country. The institute started to operate from its permanent campus from July 2018. It is located over an area of 525 acres. At present, the institute offers Bachelor of Technology (B. Tech.) programme in the following disciplines: Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Engineering Physics, mathematics & computing, Mechanical Engineering, and Metallurgical and Materials Engineering. The institute also offers M.Tech programme in several disciplines including Artificial Intelligence, Biomedical Engineering, Chemical Engineering, Civil engineering, Computer Science and Engineering, Electrical Engineering, and Mechanical Engineering. The institute also offers M.Sc programme in the following disciplines : Physics, Chemistry and Maths. The institute also offers doctoral programmes in Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Mechanical Engineering, Metallurgical and Materials Engineering, Chemistry, Physics, Mathematics and Humanities & Social Sciences.

Recognizing the need to provide adequately and appropriately trained technical manpower to meet the growing needs of industries and institutions, NITTTR, Chandigarh and Indian Institute of Technology, Ropar agree to collaborate/co-ordinate with each other with a view to enriching the quality of the technical teachers education and training. Both the organizations propose to synergistically collaborate, plan and conduct various training programmes leading degree awarding academic programmes (Training to Degree). Both the organizations agree to explore and work for international training programmes.

NITTTR, Chandigarh and Indian Institute of Technology, Ropar accordingly enter this Memorandum of Understanding (MoU) as given below.


21.2.2023



2. AGREEMENT


Accordingly, NITTTR, Chandigarh and Indian Institute of Technology, Ropar hereby agree to work jointly to improve the quality of technical teachers education by sharing the expertise and infrastructure mainly for training, research and offering customized courses as per demands. The scope of mutual partnership is briefed as under:

- 2.1 NITTTR Chandigarh and IIT Ropar will jointly offer credit based training programmes in specific areas at various levels which will lead to award of certificates/PG Diploma/Advanced Diploma/Diploma/ Post Graduate Degree certified by IIT Ropar. The curricula and Assessment criteria will be designed jointly by NITTTR Chandigarh and IIT Ropar
- 2.2 NITTTR Chandigarh in collaboration with IIT Ropar would offer MTech/MS programmes on Educational Engineering/Engineering Education/Any such areas relevant to teachers quality improvement
- 2.3 The two institutes will launch joint programmes in cutting edge and demand driven fields for industry/corporate personnel in mutually agreed areas leading to award of joint certification/ P.G. Diploma/any other degrees.
- 2.4 The two institutes will undertake Joint research activities and joint supervision of research work.
- 2.5 The two institutes will organize joint conferences or symposia on subjects of mutual interest.
- 2.6 The two institutes will organize International Training programmes on the mutually agreed areas.
- 2.7 The two institutes will undertake any other joint academic activity which is beneficial to the two institutions and is mutually agreed to from time to time.

Both the Institutions shall extend mutual support as detailed under section 3 and 4. In Programmes through which revenue is generated, the surplus revenue after costs shall be shared in a manner agreed by the two institutes.

3. COMMITMENT BY NITTTR, CHANDIGARH

- 3.1 In order to promote technical teacher training requirements at national and international level NITTTR, Chandigarh will work jointly with Indian Institute of Technology, Ropar to organize the programmes and activities, in accordance with the stipulation of the scope and nature of collaboration as stated under 2.1 to 2.3 of the forgoing section.
- 3.2 In disciplines where NITTTR, Chandigarh has exclusive strength, it will be responsible for organizing academic activities including providing resource faculty for the training


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programmes, dissemination of instructional material and general conduct of the programmes, which would be jointly identified from time to time.

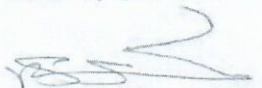
- 3.3 In disciplines where Indian Institute of Technology, Ropar has exclusive strength, NITTTR, Chandigarh shall provide its expertise in managing the training programmes, tapping the client system for participants, external experts and providing other required logistic support.
- 3.4 NITTTR, Chandigarh will provide financial commitment for organizing training programmes at Indian Institute of Technology, Ropar as per provisions approved by BOG of NITTTR, Chandigarh.
- 3.5 NITTTR shall identify, formulate, and jointly conduct joint certification/ PG Diploma/M Tech/MS courses for industry and academicians in relevant, demand driven and high-end technology areas. The programmes shall be conducted in flexible mode leveraging provisions in NEP-2020 like ABC and MEME (Mainly from Training to Degree format).
- 3.7 NITTTR shall offer manpower and infrastructure facilities like state-of-the-art laboratories and studios for conduct of above mentioned training and certification programmes. It will offer free lodging and boarding at NITTTR to faculty and official from Indian Institute of Technology, Ropar coming to conduct the mutually agreed programmes.

4. COMMITMENT BY IIT, Ropar

- 4.1 Indian Institute of Technology, Ropar will facilitate and award certification/degree in collaboration with NITTTR Chandigarh
- 4.2 IIT Ropar will prepare the assessment criteria and MEME criteria in association with NITTTR Chandigarh for such certification/degree programmes.
- 4.3 IIT Ropar shall provide necessary infrastructure facilities e.g. classroom, conference hall, laboratories, library etc. that may be necessary for smooth conduct of the programmes as and when needed free of cost.
- 4.2 Indian Institute of Technology, Ropar will provide free lodging to experts/ NITTTR Faculty in its guest House/ Hostel as per the availability.
- 4.3 The in-house expertise experts of Indian Institute of Technology, Ropar will be made available for the conduct of the Certification Programmes.
- 4.4 IIT Ropar shall continually partner NITTTR in identifying, preparing, and disseminating knowledge through mutually agreed delivery mechanisms.

5. TENURE OF THE MOU:

The said MoU shall be valid for a period of 5 years from the date of agreement and can be further extended on mutual consent. In case of any difference of opinion that may arise during the execution of this MoU in its true spirit, both parties shall make genuine efforts to resolve the same by mutual talks. In case the same persists, either of the party can terminate the MoU by giving a notice of 30 days.


21-2-2023



6. FORCE MAJEURE


Notwithstanding any item contained in this MoU, neither party shall be held responsible for actions beyond their control (e.g. natural calamities, law & order situation and so on) and compensation shall not be claimed by either party from other nor shall it be paid. Either party may terminate this MoU in the event a force majeure event subsists for more than thirty (30) days.

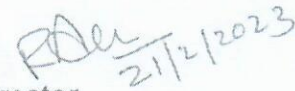
7. OPERATIONAL MECHANISM

- 7.1 All communication shall be addressed to the head of the respective institutions that may authorize any senior official to do so on their behalf.
- 7.2 Head of the respective institutions shall be authorized to make decision on behalf of their institutions unless otherwise the execution powers are delegated to any senior official(s).

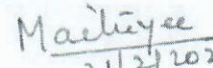
This memorandum shall be deemed as pledge and a statement of intent to foster genuine, workable and mutually beneficial professional collaboration for the socio-economic development of the country.

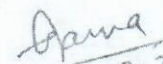
This MoU is being signed today, the day of 2023, in the presence of the witnesses.



21.2.2023
Director
NITTTR, Chandigarh


21/2/2023
Director
IIT, Ropar

Witnesses:

1. 
21/2/2023

2. 
21.2.23

1. 
21/2/23

2.