



MEMORANDUM of UNDERSTANDING (MoU)

BETWEEN



ICAR-National Institute of Natural Fibre Engineering and Technology

(Erstwhile ICAR-NIRJAFT)

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

12, REGENT PARK, KOLKATA -700040

Phone: 2471-1307 (Director), 24212115/16/17 (EPBX), Fax: +91-33-24712583

E-Mail: director.nirjaft@icar.gov.in, nirjaftdirectorcell13@gmail.com

Website: www.nirjaft.res.in

(ISO 9001:2015 CERTIFIED INSTITUTE)

AND



Maharaja Ranjit Singh Punjab Technical University

Badal Road, Bathinda -151001, Punjab

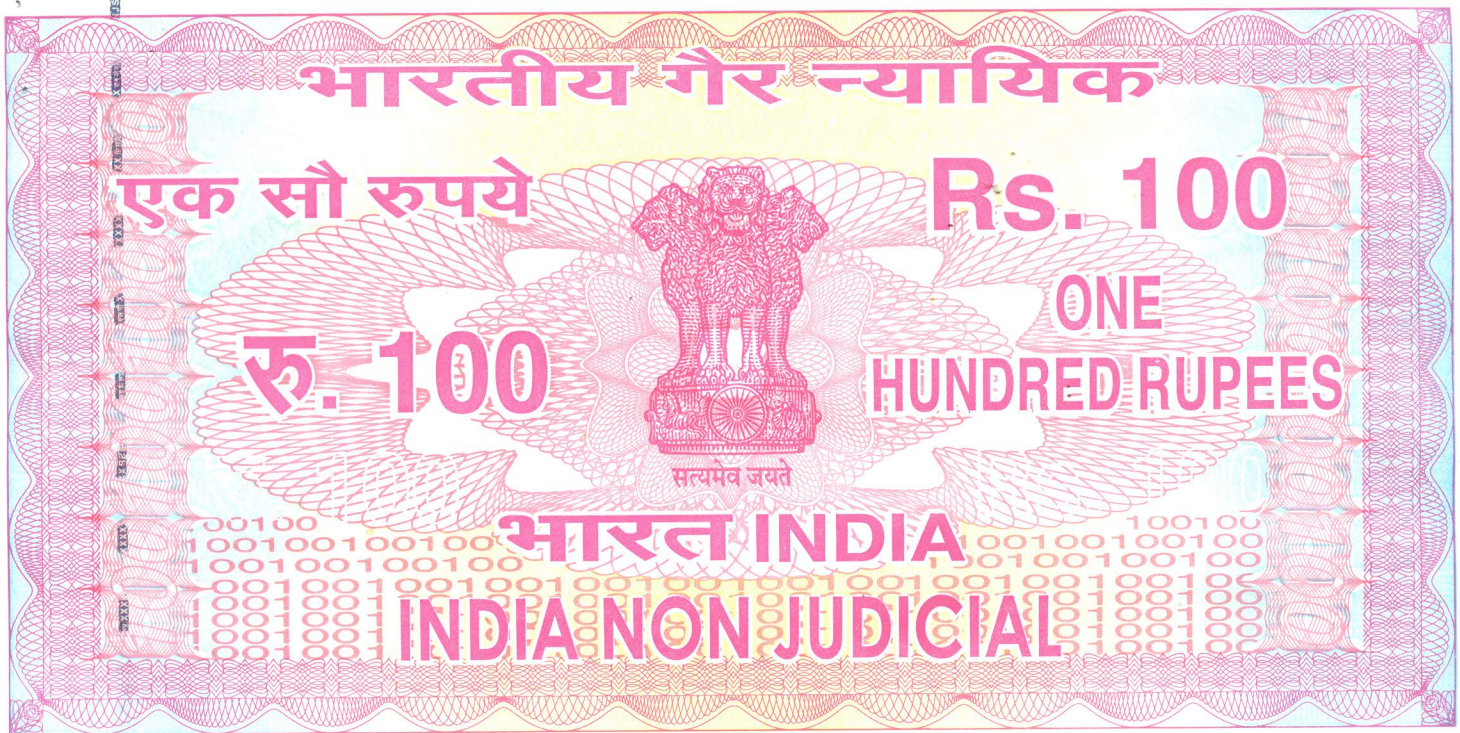
(Estb. by Govt. of Punjab vide Punjab Act No. 5 of 2015 and u/s 2
(f) and 12B of UGC Act, 1956)

Website: mrsptu.ac.in, Ph. No. 0164-2284297 Email:
reg@mrsptu.ac.in Fax 0164-2284197

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AS 208884

This Memorandum of Understanding is entered into force on this 6TH Day of DECEMBER, 2021.

Between

ICAR-National Institute of Natural Fibre Engineering and Technology (ICAR-NINFET) (hereafter as 'Institute'), a Constituent Unit of Indian Council of Agricultural Research with its headquarters, located at 12, Regent Park, Kolkata: 700040, West Bengal

And

Maharaja Ranjit Singh Punjab Technical University
Badal Road, Bathinda -151001, Punjab

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to

HARBANS SINGH
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BATHINDA



BACKGROUND

About ICAR-NINFET, Kolkata

ICAR-National Institute of Natural Fibre Engineering and Technology is a premier institute under the Indian Council of Agricultural Research, New Delhi, and dedicated to jute and allied natural fibers leading to the diversified use and industrial growth. In 1936, the Government of India constituted the Indian Central Jute Committee. They recommended to set up Jute Technological Research Laboratories (JTRL) in Calcutta. With the expansion of activities of the institute, the administrative control of the institute went over to the Indian Council of Agricultural Research, New Delhi, in 1965. The institute has flourished with diverse disciplines and carved a niche as a center of excellence in the research of Jute and Allied Fibre Technology. In the year 1997, this Institute was renamed as National Institute of Research on Jute & Allied Fibre Technology (NIRJAFT). From 10th November, 2018 NIRJAFT was known as ICAR-National Institute of Natural Fibre Engineering and Technology (NINFET) having four Divisions viz. Quality Evaluation and Improvement Division; Mechanical Processing Division, Chemical & Bio-processing Division and Transfer of Technology Division, two Sections, three Cells, four Administrative Sections including Audit. The institute has mandate of carrying out basic and strategic research on processing all natural fibres and residues, development of new products and quality improvement; and Capacity building and entrepreneurship development. It has well established laboratory for composites, microbiology, chemical processing, fibre, yarn and fabric testing.

About MRSPTU, Bathinda

Maharaja Ranjit Singh Punjab Technical University (MRSPTU), Bathinda (Erstwhile Maharaja Ranjit Singh State Technical University, Bathinda) is an affiliating Technical University, established by Govt. of Punjab vide Punjab Act No. 5 of 2015 notified through Punjab Government Gazette-Extraordinary (Regd. No. CHD/0092/2015-2017) notification No. 5- Leg./2015 dated 12th February 2015 and registered with UGC u/s 2(f).

With spontaneous upswing in demand for quality Technical Education, burgeoning pressure on the Premier Technical University of Punjab, Punjab Technical University, Kapurthala, to mitigate regional imbalance in distribution of Temples of quality Technical Education in the State, for exponential socio-economic growth of the Malwa region, to bridge the gap between demand and supply of employable technical human resource, exigency for creation of a new State Technical University in Punjab was realized. Consequent on the implementation of this Act, Technical



institutions of eleven districts of Punjab have been affiliated to MRSPTU with effect of 1st July, 2015 including Barnala, Bathinda, Faridkot; Fatehgarh Sahib, Fazilka, Ferozepur, Mansa, Moga, Patiala, Sangrur and Sri Muktsar Sahib.

The objectives of this new Technical University at Bathinda are to provide, upgrade and promote Quality Technical Education, Training and Research in Technical Education to create entrepreneurship and a conducive environment for the pursuit of Technical Education in close cooperation with industry. In the pursuit of creating excellence in Teaching, Research and Skill Development, the University has to attain highest standards by following and conforming to norms/ standards policies laid down by the All India Council for Technical Education, New Delhi and University Grants Commission, New Delhi.

As an outcome of the above endeavours, the University is expected to generate and maintain resources through consultancy services, testing services, Continuing Education Programmes, national and international collaborations, MoU, transfer of intellectual property rights, etc. MRSPTU will cater to the needs of Quality Technical Education in eleven districts of Punjab encompassed in its jurisdiction. New M.Tech. & Ph.D. Programmes are being initiated from 2016-17 academic sessions. New skill development certificate courses in 9 areas of Engineering in the Constituent Colleges of the University and four PG Certificate Courses in Pharmacy in Affiliated Colleges are also being planned.

Now therefore, the **ICAR-NINFET** and **MRSPTU**, inspired by their common objectives to promote and accelerate the progress of Research and Training in various disciplines of Textiles and Natural Fibre related research :

HAVE decided to enter into this MoU and agree as herein contained :

Article-I

Objectives

1. **The objectives of the MOU are:**

- To promote and enhance academic interests between NINFET, Kolkata and MRSPTU, Bathinda.
- Exchange of knowledge and information related to the research of same arena between NINFET, Kolkata and MRSPTU, Bathinda.
- Exchange of Scientific literature and methodology



- d) Exchange of scientific equipment as available and required in programme of common interest as may be mutually agreed upon
- e) Development and implementation of collaborative research projects, the areas and methodology to be as mutually agreed upon and subject to IPR clause in Article IV.
- f) To provide advice for implementation of quality of education at MRSPTU, Bathinda.
- g) To support MRSPTU Bathinda faculty in their research projects and project writing to submit for research funding.

2. Technical areas of collaboration :

ICAR-NINFET, Kolkata and MRSPTU, Bathinda would co-operate in the following areas:

- a) A Continuing Quality Improvement Programme (QIP) to improve the quality of teaching staff at MRSPTU through short term and long-term certificate courses at this Institute. Faculty of NINFET, Kolkata could also be sent to MRSPTU for necessary guidance.
- b) Provide academic interaction by delivering special lectures at MRSPTU on topics of relevance to modern industry.
- c) Provide necessary help in organising Workshops, Personality development programmes at NINFET, Kolkata for enhancement of skills in respect of faculty, staff, and students of MRSPTU.
- d) Provide necessary support for establishment of Video satellite link and assistance in development of e-Classrooms, Labs, curriculum, establishment of research labs, training and placement, and library facility at MRSPTU.
- e) Both institutes will work to promote Skill India Mission in the field of Textiles and especially in Technical Textiles.
- f) Both Institutes will support in entrepreneurship development programme of the state of West Bengal.

3. Proposed modes of collaboration:

ICAR-NINFET, Kolkata and MRSPTU, Bathinda propose to collaborate through the following:

- a) Co-operation and promotion of Education and Training in areas of mutual interest.
- b) Any other appropriate modes of interaction agreed upon between ICAR-NINFET, Kolkata and MRSPTU, Bathinda.



4. Terms and conditions :

- a) The costs of development of infrastructure at MRSPTU should be borne by MRSPTU.
- b) For continuing education to MRSPTU teachers and students, the financial management will be made on mutually agreed terms.
- c) This MoU may be amended, renewed, and terminated by mutual written agreement of parties at any time.
- e) Either party shall have the right to terminate this MoU upon 60 days prior written notice to the other party.
- f) There will be a steering committee to execute the MoU

Sl. No.	Name and Designation	Position
1.	Director ICAR-NINFET, Kolkata	Chairman
2.	Vice Chancellor, MRSPTU	Co- Chairman
3.	One Principal Scientist ICAR-NINFET, Kolkata	Member
4.	One Senior Textile Faculty, MRSPTU, Bathinda	Member
5.	In-Charge, PME of ICAR-NINFET, Kolkata	Member Secretary

The above committee shall periodically review and identify ways to strengthen cooperation between the two organizations.

Article-II

Implementation

ICAR-NINFET will facilitate:

ICAR-NINFET is in a position to collaborate with **MRSPTU** in all the areas mentioned below towards mutual benefits and is willing to specifically facilitate:

1. Post graduate and Doctoral research projects to be carried out at the premises of the **ICAR-NINFET** as per the requirement and approved plan of



work. However, the students' project work must be a part of the ongoing research programme at **ICAR-NINFET**.

2. Periodical meetings of student's Advisory Committee at the premises of **ICAR-NINFET** or MRSPTU by mutual consultation of both the parties. Expenditure towards TA/DA will be borne by the respective organization.
3. Facilities (Laboratory, Library or Field) for collaborative research in the areas of mutual interest to the staff of **ICAR-NINFET** as per the agreements from time to time.
4. The above facilitation at 1, 2 and 3 will be applicable as the Co-Guide/Co-Chairman/Member will be from **ICAR-NINFET** depending upon the quantum of research conducted at **ICAR-NINFET**.
5. Prepare joint research projects, which are mutually beneficial to **ICAR-NINFET** and **MRSPTU** and seek funding from outside agencies.

MRSPTU will facilitate

1. Recognition of **ICAR-NINFET** as an institution for conducting research relating to the thesis research requirements of the post graduate students for M. Tech and Ph. D. degrees.
2. Recognition of Scientists from **ICAR-NINFET** on their individual merit and in accordance with the University rules and regulations as Post Graduate Teacher and thus entitled as Advisory Committee members / Co-guide of PG research for M. Tech and Ph. D degrees.
3. Provide Facilities (Laboratory, Library and Field) for cooperative research in the areas of mutual interest to the staff of **ICAR-NINFET** as per the agreements from time to time.
4. Undertake research based on the location specific problems on mutual agreement.
5. Prepare joint research projects which are mutually beneficial to **ICAR-NINFET** and **MRSPTU** and seek funding from outside agencies.



Article- III

Work Plan

1. This MoU may be supplemented by work plans to be developed jointly, which describe more specifically the activities to be carried out under this cooperation.
2. The **MRSPTU** and **ICAR-NINFET** may nominate members of their respective staff to work out the practical details of cooperation between two organizations in general and to ensure proper and effective implementation of this MoU.
3. Such details, as agreed upon, will be confirmed by exchange of letters between **MRSPTU** and **ICAR-NINFET** and such approval will form part to this agreement.
4. The work plans developed require the approval of both the parties for implementation.

Article- IV

Publication & Intellectual Property Rights

General Clause:

1. Each party will ensure appropriate protection of Intellectual Property Rights generated from cooperation pursuant to this MoU, consistent with their respective laws, rules and regulations and international agreements to which both parties are committed.
2. In case the research results obtained through joint activities, the grant of Intellectual Property Rights will be sought by Both Parties jointly and once granted, the IPR will be jointly owned by the both parties.
3. The parties shall not assign any rights and obligations arising out of the IPR generated to inventions/ activities carried out under the MoU to any third party without the consent of the other party.
4. In case of research results obtained through joint activities under this MoU both the ICAR-NINFET and MRSPTU will apply as co-applicant for the



protection of Intellectual Property Rights subject to exclusive rights of both the parties to commercialize the technology in their respective countries. Commercialization in any other country shall be done jointly through a separate agreement.

5. Patent filing and maintenance will be done by the respective institute where the intellectual property developed.
6. Any publication , document and/ or paper arising out of joint work conducted by the parties pursuant this MoU will be jointly owned. The use of the name, logo and / or official emblem of the parties on any publication, document and/ or paper will require prior permission of both the parties. It may however be ensured that the official emblem and logo is not misused.

Benefit Sharing

1. Benefits such as improved technology , materials , machinery, process, design and techniques occurring or arising from this cooperative effort may be used by either or both parties with due recognition of each party's contribution.
2. Results from collaborative/ integrated research may be used by either or both parties with due recognition of each party's contribution.
3. Research findings as a result of this collaborative work of both the parties will be published in public interest with joint authorship and both parties will be entirely responsible for conclusions and interpretations reported.
4. Results from collaborative research may be tried on industries through trials or any end users and demonstrations with active participation of both the parties.
5. In the event of any dispute or difference between **MRSPTU** and **ICAR-NINFET** arising out of or in connection with this agreement such dispute shall be resolved mutually. Unresolved disputes shall be resolved through the Arbitration proceedings governed by the provisions of the Arbitration and Conciliation Act 1996 as amended from time to time.



Confidentiality

1. **ICAR-NINFET, Kolkata** and **MRSPTU** agree to hold confidence in all information/data designated by the parties.
2. The information/data being confidential, which is obtained from either party or created during the performance of the MoU and will not disclose the same to any third party without the written consent of the other party.
3. The above confidential clause under this MoU excludes information/data possessed by either party before entering this MoU or independently developed and/or information already available through the public domain.

Duration of MoU

1. This agreement will be effect initially for a period of **three years** from the date of signing of this MoU by both the parties and may be renewed further if mutually agreed.
2. However, obligations and commitments already contracted for and involving both parties shall be honored and continued by both the parties until such commitments are completed. In witness, whereof the parties hereto caused this instrument to be executed as of the day, month and the year indicating below:

ACKNOWLEDGEMENT

The Parties hereby agree and acknowledge that they have an opportunity to consider each provision contained in this Agreement (the "Agreement") and have an opportunity to seek independent legal advice with respect to each and every provisions of this Agreement (the "Agreement") and hereby agree that all valid and all defence to the strict enforcement thereof ;



Signed in duplicate

This MOU is executed in duplicate, with each copy being an official version and having equal legal validity. By signing below, the parties, acting by their duly authorized officers, have caused Momentum of Understanding to be executed, useful as of the day and year above written.

IN WITNESS WHEREOF, each party to this agreement has caused it to be executed MRSPTU and ICAR-NINFET on the date indicated above.


Director


Vice Chancellor

ICAR-National Institute of Natural Fibre
Engineering and Technology




(ICAR-NINFET)

भारत-अनुप राष्ट्रीय प्रकृति रेशा अभियांत्रिकी एवं प्रौद्योगिकी संस्थान
ICAR-National Institute of Natural Fibre Engineering and Technology
भारतीय कृषि अनुसंधान परिषद Indian Council of Agricultural Research
12, रीजेंट पार्क, कोलकाता - 700 040 12, Regent Park, Kolkata - 700 040



Witness

1. 
(Dr. Biplob Saha)

2. 
(Dr. Debabrata Das).

Maharaja Ranjit Singh Punjab
Technical University
Bathinda

Witness

1. 
Dean Academic Affairs
Maharaja Ranjit Singh
Punjab Technical University
Bathinda

2. 