



**Memorandum of Understanding (MoU)**  
**between**  
**Gautam Buddha University, Greater Noida**  
**&**  
**ICAR-Central Agroforestry Research Institute, Jhansi**

This Memorandum of Understanding (MoU) is entered between “**Gautam Buddha University**” having its Campus at Gautam Buddha Nagar in Uttar Pradesh, hereinafter called “**GBU**” and **ICAR-Central Agroforestry Research Institute, Jhansi (Uttar Pradesh)**, hereinafter referred to as “**CAFRI**”. Both the GBU and CAFRI are independently referred to as “Party” and collectively as “Parties”.

The Parties have agreed to engage in a broad spectrum of joint activities in the field of Integrated Agro-ecosystems and Natural Resource-based Environmental sustainability and Sustainable Livelihood Promotion through research, education and extension. This MoU shall be treated as a platform on which both Parties agree to work together in future. The terms and conditions of this collaboration are as follows:

**BACKGROUND**

**Gautam Buddha University**

Established under the Uttar Pradesh Gautam Buddha University Act, 2002 (U.P. Act No. (9) of 2002), the Gautam Buddha University (GBU) came into existence in the year 2008 as a Residential University at its 511 acre state-of-art campus at Greater Noida, Gautam Budh Nagar. The University is recognized by the UGC under Section 2 (f) and 12 (B) of the UGC Act, 1956, and is accredited by the NAAC. The University is an ISO certified institution of higher education (ISO ISO 9001:2008).

The University envisions to integrate Indian Ethos, Rich Heritage and the Ancient wisdom with the education and research to invoice high standards of quality and innovativeness to be at par with the international benchmarks. The mission of the University is to generate a community of scholars who can manage continuity and change; to seek and incorporate the best practices in teaching and learning from around the world; to inculcate in the learners due appreciation for ethical, ecological and economic issues of knowledge ; to provide knowledge - based scientific solutions to satisfy the needs of the society and industry; to ensure an academic environment that guarantees avenues for all historically excluded sections of the society. The University offers undergraduate, post graduate and doctoral research programmes in Vocational studies and applied sciences, Biotechnology, Engineering, Information and communication technology, Humanities and social sciences, Management, Buddhist studies and civilization, and Law, justice and governance.

The School of Vocational Studies and Applied Sciences (SoVSAS) is one of the eight schools of the GBU, having an interdisciplinary department – the Department of Environmental Science. This Department has approved programmes of M. Sc., P. G. Diploma and Doctoral Research. Additionally, it imparts environmental education to all undergraduate students of all academic streams through its compulsory 04 credits “**Ability enhancement course ES 101 Environmental Studies**” as per guidelines of the UGC as directed by the Hon’ble Supreme

Court. The core courses of M. Sc. Environmental Science programme are also opted by the students of Electrical Engineering, Mechanical Engineering, Computer Science and Engineering, Electronics and Communication Engineering. The Department also extends faculty resource to the Department of Education and Training for 04 credits core course "ED 510 Environmental Education". In addition to these, the Department of Environmental Science collaborates for human resource development activities, such as, Webinar, Workshop, etc., with the Centre for Environmental Law Management and Research (CELMAR) of the University.

In order to meet real-life challenges of environmental issues, air and noise pollution and weather monitoring in particular, the Department has Memorandum of Understanding with Ecotech Instruments, Kasna – an enterprise registered under Section 6 of the Factory Act, 1948 Form No.03 (Rule 7(1). under its Academia industry Linkage activity.

### **ICAR - Central Agroforestry Research Institute**

The ICAR-Central Agroforestry Research Institute (ICAR-CAFRI), formerly the National Research Centre on Agroforestry, is a multidisciplinary premier research institute of Indian Council of Agricultural Research (ICAR) located at Gwalior Road, Jhansi, Uttar Pradesh. The Institute was established in 1988 with a mission to improve quality of life of rural people through integration of woody perennials on agricultural landscapes for economic, environmental and social benefits. The Institute works with a vision of "Integration of woody perennials in the farming system to improve land productivity through conservation of soil, nutrients and biodiversity to augment natural resource conservation, restoration of ecological balance, environmental sustainability, alleviation of poverty, and to mitigate risks of weather vagaries". The Institute is mandated to develop sustainable agroforestry practices for farms, marginal lands and wastelands in different agro-climatic zones of India; coordinate network research for identifying agroforestry technologies for inter-regions; training in agroforestry research for ecosystem analysis and transfer of agroforestry technology. The CAFRI has developed robust agroforestry models, and package of practices for different agro-climatic conditions covering small-and-marginal farmers.

#### **1. PURPOSE & SCOPE OF COLLABORATION**

The potential areas of collaboration include research, education, training, capacity building, experience sharing and knowledge management in the domain of Integrated Agro-ecosystems and Natural Resource-based Sustainable Livelihood Promotion and Ecosystem Health Management. The specific areas for joint activities will be decided in due course of time.

#### **2. OUTLINES OF THE COLLABORATION**

This document is not intended to create legal or binding obligations on either Party. It serves only as a record of the Parties' current intentions. This will be a sustaining programme and help sourcing funds for collaborate research/academic programmes from external agencies. We also plan to work on a joint online degree/diploma programme in Agroforestry, which could be an avenue for further cooperation between the GBU and the CAFRI.

Under the aegis of this agreement, the GBU and the CAFRI shall jointly explore the possibilities of working mainly in the north and north-eastern parts of India. The major focus of this

collaboration shall be on:

- Developing joint curricula for mutually identified programmes;
- Guiding students for Postgraduate and Doctoral research with the CAFRI as an extended research campus of the GBU;
- Joint research in agroforestry and hill farming including forest-farm interface;
- Promoting agroforestry models suitable for the region through establishment and demonstration of successful tree-based farming solutions;
- Each institution will encourage the exchange of faculty/scientists for joint teaching and research programmes on agroforestry, biodiversity conservation, and climate change mitigation and adaptation, and collaborative professional training programmes on agroforestry and allied aspects including distance education programmes in agroforestry and natural resources, if deemed fit;
- Faculty/Scientists from each institution will collaborate in developing proposals for external funding as appropriate; and
- Any expenses incurred by each institution under this agreement will be the sole responsibility of the institutions concerned.

## 2.1 Academic and Research Collaboration

In pursuant of the agreement, the academic and research collaborations shall be initiated between both Parties. Academic collaboration shall involve, faculty members/scientists visiting their counterpart institutions for short-term (1-3 months) teaching assignments, evaluation and curriculum development. The eligible faculty members/scientists may also be a part of the dissertation/thesis supervision along with the host institution faculty members/scientists.

Research collaboration shall involve, visits of faculty members/scientists to each other's institution, and writing collaborative research projects for funding and be a part of in-house research funded projects. Research collaboration shall involve being a part of the publication authorship group, keeping the intellectual property rights intact.

## 2.2 Exchange of Academic Information, Data Generation and Dissemination, and Scholarly Publications

In pursuant of the agreement, exchange of academic information, data regeneration and dissemination and scholarly publications shall be the privilege of both institutions involved. The data generation could be from primary or secondary sources. The samples to be collected from field areas shall be shared as per convenience and the Government protocols. Secondary data source and sharing shall also need to have clearances of the Government procedures. Dissemination of information to print/visual media shall be as per the Government protocols.

## 3. Publication and Intellectual Property Rights

- (i) If the research is conducted and completed in India with the help of the GBU members in the team, the intellectual property will be protected in India with the

  
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- GBU as a co applicant. The ICAR-CAFRI will have rights to commercialize technology.
- (ii) If the research is conducted and completed in India with the help of the ICAR-CAFRI members in the team, the intellectual property will be protected in India with the ICAR-CAFRI as a co-applicant. The GBU will have rights to commercialize the technology.
  - (iii) In case application is to be made for international protection, then both the ICAR-CAFRI and the GBU will apply as co-applicants 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.
  - (iv) In case research is carried out solely and separately by the Party or the research results are obtained through the sole and separate effort of the Party, the Party concerned alone will apply for grant of IPR and once granted, the IPR will be solely owned by the Party concerned.
  - (v) In case of research results obtained through joint activities, the grant of IPRs will be sought by both the Parties jointly, and once granted these rights will jointly owned by the Parties.
  - (vi) Any Publication, document and/or paper arising out of joint work conducted by the participants pursuant to this MoU, will be jointly owned. The use of the name, logo and/or official emblem of the participants on any publication, document and/or paper will require prior permission of both the participants. It may, however, be ensured that the official emblem and logo are not misused.
  - (vii) Both Parties agree to ensure appropriate protection of Intellectual Property Rights generated from such cooperation consistent with their respective laws, rules and regulations, and other international agreements to which both Parties are signatories.

#### 4. Performance Standards


The Parties shall perform their respective roles and responsibilities under this MoU with highest standards of professional and ethical competence and integrity.

#### 5. Disclosure of Information

The ICAR-CAFRI and the GBU agree that except for a Court Order requiring disclosure, neither shall disclose to any third party without the written consent of the other, any information made available to the Parties, in the performance of work and/or generated by the performance of work, under this Agreement, except information which at the date hereof was.

- (i) in the public domain, and
- (ii) known to either prior to the date hereof as evidenced by written documents subsequently.

The provisions in this Article shall survive termination or completion of the Memorandum of Understanding.

  
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Dean, Academics  
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## 6. Amendments

The Parties of this MoU may, by mutual consent, add, modify, amend or delete any words, phrases, sentences or Articles in this MoU.

## 7. Validity of the MOU

This Memorandum of Understanding will become effective on the date of signing and will have a duration of three (3) years. However, it can be extended by mutual agreement. Any cessation of the MoU by either Party shall be notified in writing to the other Party at least 15 days in advance.

## 8. Arbitration


Dispute arising out of this MoU, if any, shall be amicably settled jointly by the Gautam Buddha University and the Central Agroforestry Research Institute.

IN WITNESS WHEREOF, the Parties hereby execute the MoU in two original copies in English language on the date of 10<sup>th</sup> March 2022.

  
**(Dr. AYYANADAR ARUNACHALAM)**  
Designation: Director

FOR AND ON BEHALF OF THE ICAR-  
CENTRAL AGROFORESTRY RESEARCH  
INSTITUTE


Witnesses:  
1. Dr. Inder Dev  
Incharge, PME

  
2. Dr. A.K. Handa  
Principal Scientist

  
**(Dr. VISHWAS TRIPATHI)**  
Designation: Registrar

FOR AND ON BEHALF OF THE  
GAUTAM BUDDHA  
UNIVERSITY

Witnesses:  
1. Prof. N.P. Melkania  
Dean, Academics

  
2. Prof. Sanjay Sharma  
Dean, SoICT  
Prof. Sanjay Kumar Sharma  
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