MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is made on this - day of 22nd January, 2021

BETWEEN;

Dr. Babasaheb Ambedkar Open University, a University established by **Government of Gujarat**, having its campus at **Ahmedabad, Gujarat** - Represented by its **Prof. (Dr.) Ami Upadhyay Vice Chancellor,** hereinafter referred to as **university** which expression shall mean and include its successors and permitted assigns; on the **One Part**

AND

CYBER PEACE FOUNDATION, NGO duly registered under the provisions of Societies Registration Act 21, 1860 (hereinafter referred to as **'CPF**, through its Authorized Signatory **President Mr. Vineet Kumar**, duly authorized vide Board Resolution dt. 26th November 2013 which shall, unless the context does not admit, include its successors and assigns), having its Secretariat at B-55, MIG, Birsa Munda Rajpath, Harmu, Ranchi, Jharkhand-834002 on the **Other Part**.

Both CPF and CPF shall be collectively referred to as '**Parties**'.

PREAMBLE:

WHEREAS, CPF is apolitical civil society organisation and think tank of Cyber Security and Policy Experts. CPF is involved in Policy Advocacy, Research and Training related to all aspects of Cyber Peace and Cyber Security. Key areas of it's work are in Technology / Internet Governance, Policy Review and Advocacy, Capacity and Capability creation and building through partnerships with various government organizations, academic institutions and civil society entities.

AND WHEREAS, CPF and **university** have mutually agreed to facilitate research activities in the State and across India, wherein **university** had expressed its willingness to collaborate with CPF for the above purpose;

NOW, THEREFORE, IT IS HEREBY AGREED TO BY AND BETWEEN CPF AND UNIVERSITY AS FOLLOWS:

1. **OBJECTIVES OF MoU:**
   - To encourage research in the field of Cyber Security, Cyber Defense and Internet Engineering and Governance.

CYBER PEACE FOUNDATION

Dr. Babasaheb Ambedkar Open University Ahmedabad

- To Setup Cyber Peace Research Centre & Centres of excellence in university and its constituent colleges.
- To introduce new courses on cyber security, cyber-crime investigations, internet engineering and governance subject to prior approval of Academic Council, Academic Planning Board and Board of Management of university and other legal requirements.
- To promote entrepreneurship in cyber security to support the Start-up India and Stand-up India initiatives of the Government of India.
- To promote innovation, design facilitate and development of algorithms and develop the indigenous software tools for cyber security and internet standards under the 'Make in India' initiative of Government of India.
- To setup Research Labs for the various purposes listed as below -
  - Research and analysis of the cyber security issues and threats such as botnet etc.
  - Setting up malware analysis test bed and research and analysis of malwares.
  - Setting up of a Honey Network & Hardware Security Test bed.
  - Setting up of the cyber security simulation lab.
  - Setting up of the critical information infrastructure protection lab.
  - Setting up of IoT and smart city lab.
  - Setting up DNS/DNSSEC testbed
  - Setting up Internet DNS Traffic probe infrastructure
  - Setting up of IoT, IPv6 and smart city lab.
  - Setting up Blockchain Lab
- To context capacitive building activities under Skill India initiative of the Government of India for:
  - Cyber security awareness events & workshops throughout the year.
  - Working on Next Generation Internet Standards.
  - Providing cyber security education for the skill building to the various agencies and organizations.
  - Conducting annual security symposium, seminar, roundtable conference etc.
  - Internship, Specialized Training & placements.
  - Organizing various Cyber Challenge, competitions and Cyber Security fellowships.
  - Providing Network Security and DNS infrastructure education for the skill building to the various agencies and organizations.
  - To undertake collaborative R&D in developing the human capital and technical skills needed to solve complex problems of cyber security and also to conduct research that enhances the technical, legal, and policy aspects of cyber security leading to commercially viable products.
- To constitute a cyber - security think tank and functioning through various expert committees to learn, understand analyse, resolve and manage multiple cyber security issues.

- The Parties mutually also agree for:
  - Collaboration and extension with other institutions and ensuring public and private partnership.
  - Jointly applying for grants and contributions for the projects related to cyber security from governments, industries and other bodies.
  - Creation of knowledge and expertise to face new and emerging security challenges to produce cost- effective, tailor made indigenous security solutions in information security products and services.

2. **RESPONSIBILITIES OF PARTIES**

Both parties shall establish a close and continuing interaction for exploring areas of mutual co-operation in the field of Cyber Security & Cyber Defence including all associated fields of technology.

2.1. Responsibilities of CPF:

- Providing expert guidance in Cyber Security, Cyber Defense and Critical Internet Infrastructure research.
- Help build an ecosystem for the Security Start-ups.
- Provide technical advisory in setting up the Cyber Peace Research Centre – Centre of Excellence on Internet Governance and Cyber Security, Internet Research Labs, Centres of Excellence and various research labs associated with it.
- To facilitate the experts to take lectures, web casts, speeches etc. on different related subjects on cyber security.
- Assisting in internship and placements to the students either at CPF or the associates of CPF.

2.2. Responsibilities of university:

- Providing space (minimum of 900 sq. ft.) at a suitable location in university to set up the research centre and the lab(s) associated with it.
- Providing space for training for the capacity building activities and meetings and discussions as and when required.
- Provide for a well-equipped office space within the centre for the various officials/ guests/ experts of CPF visiting the research centre or the university. The parties mutual agree that university shall have proprietary ownership of the aforementioned work space.
- IT infrastructure to start the functioning of the research centre. The minimum basic is listed as below -
  - Two Servers with at least 32 GB RAM and 4 TB of Hard drive each.

CYBER PEACE FOUNDATION

Dr. Babasaheb Ambedkar Open University Ahmedabad

- 20 MBPS Dedicated Static IP Internet link (separate from the routine RGU link).Minimum /24 IPv4 and /48 IPv6 address pool with ASN number for Internet engineering research and development.
- 5 Raspberry Pi 3 with 16 GB UH & 3 MMC Card (64 GB).
- 5 Desktop Computers with high configuration (i5, 8GB 500GB)
- UTM firewalls switches etc.
- Any specific equipment which may be needed during the course of this MOU may be added by parties on consent.
- Mention of the collaboration on online mediums of the university such as Website, Social Media etc.
- To cover the travel and lodging expenses and honorarium to experts so visiting university for the purpose of the above mentioned or any other activity under this MoU as and when required at the research centre and its associated lab(s). –**(Refer to 5.1)**

3. **TENURE OF MoU:**

This MoU shall become effective from the date of signing of this MoU and shall remain effective for five (5) years from the date of execution. Subsequent to the completion of the tenure of this MoU, it can be further extended based on mutual consent and as agreed by both the parties.

4. **INTELLECTUAL PROPERTY (IP):**

4.1. All IP rights associated with an innovation under the centre shall be jointly by CPF & university.

4.2. This MoU shall not permit the use or dissemination of intellectual property belonging to either party by the other party without the prior written consent of the party that owns the intellectual property.

4.3. Any matters related to intellectual property shall be mutually agreed upon by and between the parties as and when such matters arise.

5. **GENERAL TERMS:**

5.1. Any financial obligations unless and otherwise stated clearly should be agreed by both the parties in writing.

5.2. Both the Parties shall have to appoint a single point of contact (SPOC) to maintain the clarity of communication between both the parties.

5.3. Cyber Peace Foundation shall from time to time also extend outreach of its program to the centre which may be relevant & important for the centres development.

CYBER PEACE FOUNDATION

Dr. Babasaheb Ambedkar Open University

5.4. The contact details i.e. the Email id and phone no. of the SPOCs from both the Parties shall be shared with each other. In case of any change of the SPOC it must be communicated immediately between both the parties.

5.5. All the student chapters for various bodies shall be part of above mentioned activities.

5.6. In case of any new developments and addition of a new understanding shall happen by way of a supplemental instrument.

6. **TERMINATION:**

6.1. The MoU can be terminated by either party by submitting a written notice of 2 month.

6.2. Any difference of opinion during the term of MoU will be settled by mutual consultation by and between the parties.

6.3. In the matter of unresolved disputes, the matter shall be referred to joint resolution by President— Cyber Peace Foundation and Vice Chancellor —University and the joint decision shall be final.

7. **JURISDICTION:**

Any litigation or dispute proceedings arising out of this MoU shall be subject to laws of India, specifically within the jurisdictional court/tribunal/judicial authorities of Delhi and in accordance with the Arbitration and Conciliation Act 1996 or its amendment thereof as being in force from time to time.

In witness whereof, the parties have caused this MoU to be executed in duplicate by proper officials as of the date hereof.

For and on behalf of CPF

Shri Vineet Kumar
President
Date: 27 / 01 / 2021

For and on behalf of university

Dr. Bhavin Trivedi
Registrar (I/c.)
Date: 22 / 01 / 2021

I/c. Registrar
Dr. Babasaheb Ambedkar Open University
Ahmedabad