

MEMORANDUM OF UNDERSTANDING



**BIRLA INSTITUTE OF TECHNOLOGY
MESRA, RANCHI (JHARKHAND)**

AND



**CENTRAL TRAINING COLLEGE
(TELECOMMUNICATION & INFORMATION TECHNOLOGY)**

CRPF, RANCHI (JHARKHAND)

-: UNDER THE ABLE GUIDANCE OF :-

PROF. (DR.) INDRANIL MANNA
(Hon'ble Vice Chancellor)

* * * * *

-: IN BENIGN PRESENCE OF :-

PROF. (DR.) S. KONAR
B.M. BILRA CHAIR PROFESSOR

PROF. (DR.) C. JEGANATHAN
DEAN RESEARCH, INNOVATION
& ENTREPRENEURSHIP

SHRI RAVIDEEP SINGH SAHI
INSPECTOR GENERAL (COMM. & IT)

SHRI AMIT TANEJA,
DEPUTY INSPECTOR GENERAL
PRINCIPAL, CTC (T&IT)

DATE : 16TH JUNE 2021



MEMORANDUM OF UNDERSTANDING
BETWEEN
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI, JHARKHAND
AND
CENTRAL TRAINING COLLEGE
(TELECOMMUNICATION & INFORMATION TECHNOLOGY)
CRPF, DHURWA, RANCHI (JHARKHAND)

This Agreement made and entered into on this **16th Day of JUNE 2021**, between Birla Institute of Technology, Mesra, Ranchi (*hereinafter referred as BITM*) situated at Mesra, Ranchi-835215, Jharkhand, (A Deemed to be University under Section 3 of the UGC Act, 1956) and on behalf of President of India by Central Training College (Telecommunication & Information Technology) CRPF, a reputed Technical Institute of CRPF under the Ministry of Home Affairs, Government of India, situated at Dhurwa, Ranchi (*hereinafter referred as CTC(T&IT)*), the Institute is instrumental in imparting Technical and IT training to the Officers/ Personnel of Central Armed Police Forces as well as State Police.

DETAILS OF MOU

1. OBJECTIVES OF THE MOU

The objective of this Memorandum of Understanding is:

- a) to promote interaction between BITM and CTC(T&IT) in mutually beneficial areas.
- b) to provide a formal basis for initiating interaction between BITM and CTC(T&IT).

2. PROPOSED MODES OF COLLABORATION

BITM and CTC(T&IT) propose to collaborate through:

- a) Training of CTC(T&IT) trainers/instructional staff at BIT Mesra or at CTC(T&IT) in the area listed in Annexure-I.
- b) Sponsoring eligible employees for doing M.Tech/Ph.D. degrees in BITM. The eligibility criteria for selection will be as per norms of BITM.
- c) Faculty exchange on mutually agreed subjects.



- d) Basic study through journals, e-magazines, LAN, WAN of BITM.
- e) Any mode of interaction agreed upon between BITM and CTC(T&IT). Project or Work which can be accomplished mutually in benefit of both the institutions.

3. FINANCIAL ARRANGEMENT :

CTC(T&IT) and BITM shall finalise financial arrangements on case-to- case basis, subsequent to this generic MoU, while taking up the activities/projects.

4. RESPONSIBILITIES OF BITM

- a) Experts from BITM may guide regarding courses run by CTC (T&IT).
- b) Depending upon availability, guest faculty may be provided for taking classes at CTC (T&IT).
- c) Training of CTC (T&IT) personnel at BITM on subject areas of interest depending upon availability of time slot and resources.
- d) Study tour of trainees of CTC (T&IT) at BITM.
- e) Will give opportunity to CTC (T&IT) personnel to participate in seminars & workshops conducted at BITM on the topics of interest.
- f) To share academic publications and reports of BIT faculty, scholars and students.

5. RESPONSIBILITIES OF CTC(T&IT)

- a) Bear the cost of training of CTC (T&IT) personnel at BITM, and other activities conducted by BITM for CTC(T&IT) personnel on approved price rate.
- b) Provide opportunity to BITM faculty, staff and students to access facilities of CTC (T&IT). However, Principal CTC (T&IT) will keep security of the camp in mind while giving access to staff/students of BITM.
- c) BITM students may get opportunity to work on real life problems of CTC (T&IT).
- d) Joint research projects in the field of mutual interest.
- e) Access to demo lab of CTC (T&IT). However, Principal CTC-(T&IT) will keep security of the camp in mind while giving access to staff/students of BITM.



6. CONFIDENTIALITY

- a) During and for a period of three years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or if, orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b) The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
 - i) is in the public domain at the time of disclosure or comes within the public domain with fault of the receiving party.
 - ii) is already known or become known to the receiving party.
 - iii) is received from a third party having no obligations of confidentiality to the disclosing party.
 - iv) is independently developed by the receiving party or
 - v) is required to be disclosed by law or court order.

7. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind.

8. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire 3 years after the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party. However, no such early termination of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research Agreement, Confidentiality clause as referenced in clause 6 above, or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

9. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights, or obligations arising hereunder, either wholly or in part, to any third party.

Handwritten signature and date:
2
16/6/21



10. ARBITRATION

Any dispute arising with regard to any aspect of this Agreement shall be settled through arbitrator or through legal recourse (i.e. approaching court of law) in the jurisdictional area of Ranchi, Jharkhand.

11. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

12. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

FOR AND ON BEHALF OF :

**CHAIRMAN, BOARD OF GOVERNORS
BIRLA INSTITUTE OF TECHNOLOGY**

Signature :

[Handwritten Signature] 16/06/21

Name : Col. Sukhpal Singh Khetarpal(Retd.)

Designation : Registrar



**REGISTRAR
Birla Institute of Technology
Mesra, Ranchi-835215**

Witness 1.

[Handwritten Signature]
(DOFA)

Witness 2.

[Handwritten Signature] 16/6/21
(DAAC)

FOR AND ON BEHALF OF:

THE PRESIDENT OF INDIA

Signature :

[Handwritten Signature] 16/6/21

Name : Shri Amit Taneja

Designation : Deputy Inspector General (CTC)
CRPF, Ranchi

SEAL

पुलिस उप महानिरीक्षक
क. प्र. म. (टू. एवं सू. प्रो.) क. रि. पु. बल, रा.
DIGP
C.T.C. (T & IT) C.R.P.F., Ranchi

Witness 1.

[Handwritten Signature] 16/6/21
SANTOSH KR
Dy. Comdt

Witness 2.

[Handwritten Signature] 16/6/21
VIMAL SINGH, DC





Annexure-I

AREA OF INTEREST

Field of Information Technology:-

- [-] Internet of Things (IoT)
- [-] Artificial intelligence (AI) & ML
- [-] Ethical Hacking
- [-] Data Analysis
- [-] Cyber forensic investigations
- [-] Digital Cryptography
- [-] Computer Hardware
- [-] Computer Networking
- [-] GIS
- [-] Web designing and Development
- [-] Android App Development
- [-] Social Media Monitoring

Field of Electronic & Radio Communication:

- [-] Modulation Technique
- [-] Radio Trunking
- [-] Antenna Design
- [-] Transmission line
- [-] Wave Propagation
- [-] Microprocessor
- [-] Public Addressing
- [-] Test instruments
- [-] Multiplexing
- [-] Digital Signal Processing
- [-] Cellular Mobile Communication
- [-] Software Defined Radio and Cognitive Radio
- [-] Optical Fiber Communication
- [-] Diesel Generator Set
- [-] Integration in the field of Communication & IT.

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16/6/21