



**MEMORANDUM OF UNDERSTANDING
FOR ACADEMIC COOPERATION
BETWEEN
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
AND
SURVEY OF INDIA**

The Memorandum of Understanding ("MoU") is entered into by the Parties on
("Effective Date") between:

Survey of India (hereinafter referred to as "Sol"), the National Survey and Mapping Organization of the country under the Department of Science and Technology, is the oldest rich tradition over the years. In its assigned role as the nation's Principal Mapping Agency, Survey of India bears a special responsibility to ensure that the country's domain is explored and mapped suitably, provides base maps for expeditious and integrated development and ensures that all resources contribute with their full measure to the progress prosperity and security of our country now and for generations to come. They are involved in wide areas of activities from defining the geodetic infrastructure of the country (both horizontal and vertical datum) to preparing topographic maps of the country.

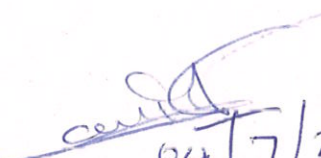
AND


Indian Institute of Technology Roorkee, a research and educational institution of national importance, established under the Institute of Technology Act, 1961, enacted by the Parliament of Republic of India, registered under the Societies Registration Act 1860, having its office at P.O. IIT Roorkee, U.K., 247667, India, (hereinafter referred to as "IITR", which expression unless repugnant to the context shall mean and include its successors and permitted assigns) of the another part.

"Party" means Sol or IITR as appropriate in the context of this MoU. "Parties" means Sol and IITR

A. PURPOSE/OBJECTIVES OF MOU

Broad areas of academic and research collaboration is **Geomatics and Geospatial**


04/07/23


04/07/23

Technology.

Based on the shared vision in the broad area of Geomatics and Geospatial Technology, Sol and IITR plan to collaborate with the objective of (i) promoting interaction in mutually beneficial R&D areas (ii) providing training to Sol Officers and initiating closer academic interaction (iii) facilitating academically eligible Officers from Sol to pursue higher degrees, e.g. DITT, MS(R)/MTech, PhD, at IITR as per its prevailing norms.

This MoU provides a formal bases for initiating interaction as per the expertise and logistics available with the parties and provides an institutional framework for an effective synergy in knowledge and/or resource-sharing environment.

B. SCOPE OF MOU


- (i) Visits of faculty, student technical staff, and Sol officers in areas of mutual interest.
- (ii) Exchange of scientific and technical information as per prevailing norms at respective parties
- (iii) Collaborative research activities through participation in nationally and internationally funded projects.
- (iv) Training of Sol officers in various areas in Geomatics /Geospatial Technology as per the expertise, facilities and resources available at IITR according to CEC, IITR guidelines. The financial requirements for each tailor made training shall be worked out separately.
- (v) Jointly organize evens such as seminars, workshops, conferences and training programmes.
- (vi) Sharing of library facility as per prevailing norms
- (vii) Admission of eligible Sol officers to DITT/MS(R)/MTech/PhD programme in Geomatics/ Geospatial Technology, Department of Civil Engineering, IIT Roorkee. The Academic and financial requirements for this will be as per the prevailing norms for the "sponsored candidates."

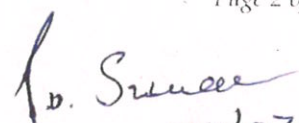
C. EFFECTIVE DATE OF MOU

The MoU shall come into force on the Effective Date after it is signed by the authorized signatories.

D. PERIOD/DURATION OF MOU

This MoU shall be valid for the 5 years, unless extended by mutual written agreement at the end of its stated tenure. It may be amended or extended by mutual written agreement of the Parties at any time. The modifications/changes shall become part of this MoU and shall be effective from the date on which they are made/executed, unless otherwise agreed to. Nothing, in this MoU shall be construed to make any Party a partner, an agent or legal


4/7/23


04/07/23

representative of the other for any purpose.

E. RESPONSIBILITIES OF THE PARTIES

(a) IITR:

- Develop and conduct/execute Research Projects/Workshops and Training Programs of mutual interest in collaboration with Sol.
- Offer admission to Sol Officers fulfilling the academic eligibility requirements, to the academic programme in broad areas of Geomatics and Geospatial Technology, Department of Civil Engineering, as the "sponsored candidates" for the purpose of registration and fee payment.

For the academic programs offered to Sol officers, prevailing norms at IITR will be followed.

(b) Sol:

All Sol officers pursuing academics programme at IITR will have one Sol Officer, with appropriate academic qualifications, as co-supervisor with a faculty member of IITR acting as the supervisor. In case, there is no Sol officer who can guide the research of any Sol scholar, the IITR will provide the Supervisor(s).

F. JOINT RESPONSIBILITY AND CO-ORDINATION

Sol and IITR shall appoint a Joint Steering Committee (JSC) comprising with two members from IITR and two members from Sol. One faculty member from IITR will act as the Convener of JSC. The JSC shall conduct joint meetings at least once a year or more, as may be required at IITR or at Sol, covering the following aspects.


- (i) Measure the progress of the activities and the achievements against the work plan.
- (ii) Evaluate the work completed and advise on the methodology to be applied for future work.
- (iii) Identify and assess factors affecting the progress and quality of the work.
- (iv) Identify corrective measures to remove hurdles related with the implementation of the programme.


The JSC shall also be responsible for reviewing the progress of Sol officers pursuing any academic programme, joint research activities, training and other programs conforming to IITR Regulations. To manage the execution of this MoU, each Party shall nominate a project champion for coordination. The composition of JSC will include the following:

- (i) Coordinator Geospatial Engineering Group, Civil Engineering Department, IIT Roorkee.
- (ii) Deputy Surveyor General, Specialized Zone, Dehradun

Other members:

- (i) Two professors from the relevant domain of the Civil Engineering Department, IIT


4/7/23


04/07/23

Roorkee.

- (ii) Addl Surveyor General, National Institute of Geo-informatics Science and Technology, Hyderabad through their representative (Not below the rank of Director)
- (iii) Addl Surveyor General, Specialized Zone, Dehradun through their representative (Not below the rank of Director)

G. GENERAL TERMS OF CO-OPERATION

- Research publications arising out of the joint research projects and other research activities will be jointly published IP from joint work will be managed as per IPR policy of IITR and prevailing norms of Sol. They will be handled on case-to-case basis. Cost incurred for patenting, purposes as well as royalties arising out of these shall be equally shared between the Parties.
- Officers, faculty members, scientists, academic staff, research scholars, project staff and students of both the Parties shall have access to the instrumentation, laboratories, library and other infrastructure facilities at each other's institutions as per respective Institute's policy.
- There shall be an exchange of faculty members, officers, scientists and research scholars for research purposes, within the permissible rules of respective Institutes.
- This MoU shall be non-exclusive and both the parties are free to pursue other agreements or collaborations of any kind.

H. COST AND THEIR CONSIDERATIONS


Each Party shall bear the respective costs of carrying out the obligations under this MoU. Neither Party shall make a claim against the other Party for any expenditure unless such expenditure has been agreed upon in writing between the Parties.


I. SECURITY/NON-DISCLOSURE OF CONFIDENTIAL INFORMATION OF THE PARTIES

All foreground data whether raw, processed or analyzed, regardless of its form or characteristics, resulting from the collaborative research work under this MoU shall be owned jointly by the Parties. The Parties shall be free to use such data for their R&D purposes. However, the Parties shall not share the above data with any third party without seeking each other's written permission.

J. RIGHT/OBLIGATION OF EACH PARTY

The designated personnel of each Party shall meet at least once a year at IITR or at Sol to plan the activities and review the progress of the work. The Parties shall also discuss their mutual concerns, if any, and shall arrive at a broader consensus in formulating the modalities for carrying out the work under this MoU.


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K. TERMINATION OF MOU

This MoU may be terminated by either Party by giving three months written notice. In the event of termination, both the Parties shall ensure that the interests of students working under this MoU are safeguarded to the extent possible and the provisions of this MoU shall continue to apply to all activities in progress until their completion.

L. ARBITRATION/DISPUTES RESOLUTION AMONG THE PARTIES

In the event of any dispute or difference arising in the implementation of the MoU, such disputes shall be resolved amicably by mutual discussion by the Director of Indian Institute of Technology Roorkee and Surveyor General, Sol. This MoU shall be constructed, governed, interpreted and applied in accordance with the laws of India and the courts Roorkee shall have the exclusive jurisdiction.

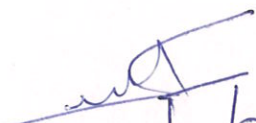
IN WITNESS WHEREOF, the undersigned hereby execute this MoU as of the Effective Date written above.


Signed for


Indian Institute of Technology Roorkee
India

Signed for

Survey Of India



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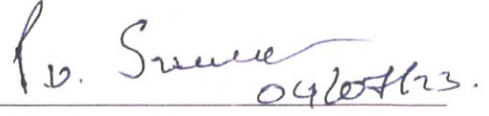

05/11/2023

Name: Prof. K.K. Pant
Designation: Director, IIT Roorkee

प्रो. के. के. पंत / Prof. K.K. Pant
निदेशक / Director
भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology Roorkee
रुड़की-247667 (उत्तराखण्ड) भारत
Roorkee-247667 (Uttarakhand) INDIA
Witness:

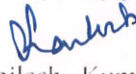
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1. Professor Praveen Kumar, Head,
Civil Engineering Department
 2. Professor Jayanta Kumar Ghosh,
Coordinator, Geomatics
Engineering Group, Civil
Engineering Department

Date: _____


04/10/23

Name: P.V. Srinivas
Designation: Addl Surveyor General,
NIGST, Hyderabad

पी.वी. श्रीनिवास / P.V. SRINIVAS
अपर महासर्वेक्षक / Addl. S.G.
रा.भू.सू.वि. एवं प्रौ.सं. / N.I.G.S.T
भारतीय सर्वेक्षण विभाग / SURVEY OF INDIA
उप्पल, हैदराबाद-39. Uppal, Hyderabad-39.
Witness:

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1. Shri Shailesh Kumar Sinha, Deputy
Surveyor General, Surveyor General's
office, Dehradun
 2. Dr. Upendra Nath Mishra, Deputy
Surveyor General, Specialized Zone,
Survey of India, Dehradun.

Date: _____