



**Memorandum of Understanding
Between
Survey of India and
Indian Institute of Technology Kanpur**

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

Survey of India (hereinafter referred to as "SoI"), the National Survey and Mapping Organization of the country under the Department of Science and Technology, is the oldest scientific department of the Government of India. It was set up in 1767 and has evolved with rich traditions 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 ensure 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.

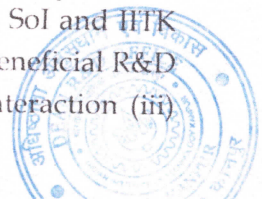
AND

Indian Institute of Technology Kanpur, 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 Kanpur, Kalyanpur, Kanpur, U.P., 208016, India, (hereinafter referred to as "IITK", which expression unless repugnant to the context shall mean and include its successors and permitted assigns), of the another part.

"Party" means SoI or IITK as appropriate in the context of this MoU. "Parties" means SoI and IITK.

1. Purpose/Objective of MoU

Broad areas of academic and research collaboration is **Geoinformatics and Geodesy**. Based on the shared vision in the broad area of Geoinformatics and Geodesy, SoI and IITK plan to collaborate with the objective of (i) promoting interaction in mutually beneficial R&D areas (ii) providing training to SoI Officers and initiating closer academic interaction (iii)



facilitating academically eligible Officers from Sol to pursue higher degrees, e.g. DIIT, MS (R)/MTech, PhD, at IITK as per its prevailing norms.

This MoU provides a formal basis 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.

2. 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.
- (iii) Collaborative research activities through participation in nationally and internationally funded projects.
- (iv) Training of Sol officers in various areas in Geoinformatics/Geodesy as per the expertise, facilities and resources available at IITK. The financial requirements for each tailor-made training shall be worked out separately.
- (v) Jointly organize events such as seminars, workshops, conferences and training programmes.
- (vi) Sharing of library facility.
- (vii) Admission of eligible Sol officers to DIIT/MS(R)/MTech/PhD programme in Geoinformatics/Geodesy, Department of Civil Engineering, IIT Kanpur. The Academic and financial requirements for this will be as per the prevailing norms for the "sponsored candidates."
- (viii) Any other matter(s) as agreed above which are not covered above.

Any activity under this MoU will be carried through a separate agreement signed by the Parties giving details of such activity.

3. Effective date of MoU

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

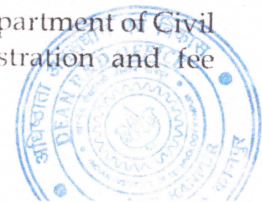
4. Period/Duration of MoU

This MoU shall be valid for ten (10) 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.

5. Responsibilities of the Parties

A. IITK:

- Develop and conduct/execute Research Projects/Workshops and Training Programs, in collaboration with Sol, where necessary.
- Offer admission to Sol Officers, fulfilling the academic eligibility requirements, to the academic programme in broad areas of Geoinformatics and Geodesy, Department of Civil Engineering, as the "sponsored candidate" for the purpose of registration and fee payment.



- Grant degree(s) to the candidate(s), who will successfully complete all technical, academic & administrative formalities for the Program that they are enrolled for at IITK.

For the academic programmes offered to Sol officers, prevailing norms at IITK will be followed.

B. Sol:

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

6. Joint Responsibility and Co-ordination

Sol and IITK shall appoint a Joint Steering Committee (JSC) comprising with two members from IITK and two members from Sol and two members from DST. One faculty member from IITK 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 IITK or at Sol, covering the following aspects:

- Measure the progress of the activities and the achievements against the work plan.
- Evaluate the work completed and advise on the methodology to be applied for future work.
- Identify and assess factors affecting the progress and quality of the work.
- 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 programmes conforming to IITK Regulations. To manage the execution of this MoU, each Party shall designate one person to serve as coordinator. To begin with, following is the composition of JSC:

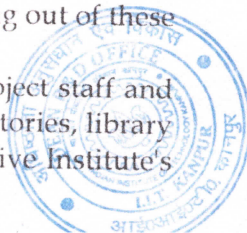
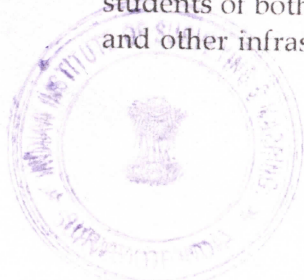
- Dr. Onkar Dikshit, Professor, Department of Civil Engineering (Convener, JSC and Coordinator from IIT Kanpur)
- Director, EUP GDC, SOI, Lucknow (Coordinator from Sol)

Other members:

- Dr. B. Nagarajan, Visiting Professor, Department of Civil Engineering, IIT Kanpur
- Director, G&RB, SOI, Dehradun
- Head, Faculty of Geodesy, IIS&M, SOI, Hyderabad
- Head, NRDMS, DST: Dr. Debapriya Dutta, Sc. "G"
- Under Secretary (SMP, Desk B), DS: Sh. J. Venkataraman

7. General terms of co-operation

- Research publications and commercially exploitable innovations arising out of the joint research projects and other research activities will be jointly published or patented as appropriate. 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 academic and research purposes, within the permissible rules of respective Institutes.
- Neither Party shall transfer or assign this MoU or rights or obligations arising here under, either wholly or in part, to any third party.
- The relationship of the Parties under this MoU shall be non-exclusive and both the Parties are free to pursue other agreements or collaborations of any kind.
- No amendment or modification of this MoU shall be valid unless the same is made in writing by both the Parties or their authorized representatives and specifically stating the same to be an amendment of the MoU. 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 representative of the other for any purpose.

8. 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.

9. 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.

10. Protection of IPR

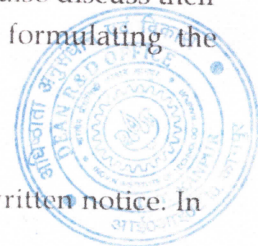
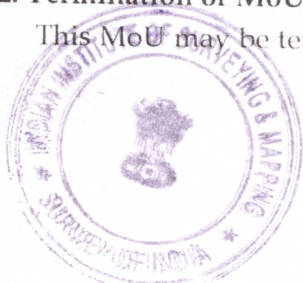
- Ownership of any background intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design rights, rights relating to computer software, and any other industrial or intellectual property rights) shall remain with the Party owning it. List of such Background IP will be disclosed at the beginning of any activity.
- Ownership of any intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design rights, rights relating to computer software, and any other industrial or intellectual property rights) developed during this MoU shall be decided through a separate agreement.

11. Right/Obligation of each Party

- The designated personnel of each Party shall meet at least once a year at IITK or at SoI 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.

12. Termination of MoU

- This MoU may be terminated by either Party by giving three months written notice. In

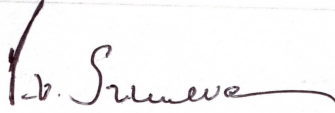
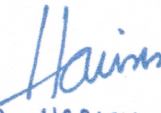
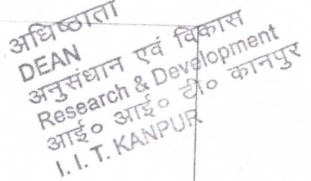

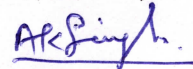




the event of termination, both the Parties shall ensure that the interests of students working under this MoU are safeguarded to the extent possible and the provisions of this MoU shall continue to apply to all activities in progress until their completion.

13. 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 discussions by the Director of Indian Institute of Technology Kanpur and Surveyor General, Sol. This MoU shall be constructed, governed, interpreted and applied in accordance with the laws of India and the courts of Kanpur shall have the exclusive jurisdiction.

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

For Sol Signature:  Name: पी.वी. श्रीनिवास / P.V.SRINIVAS Title: अपर महासर्वेक्षक / Addl. Surveyor General Date: भा.स.मा.सं., भारतीय सर्वेक्षण विभाग / I.I.S.M., SOI उपल, हैदराबाद-39. / Uppal, Hyderabad-39.	For IIT Kanpur Signature:  Name: A. R. HARISH Title: DEAN OF RESEARCH & DEVELOPMENT Date: 
Witnesses 1.  SK SINHA, DSG (Tech), IISM 2.  AK Singh, DSG, Head, Faculty of Geodesy, IISM.	Witnesses 1.  CONKARA DIKSHIT, Prof. CE, IIT Kanpur 2.  BALAJI DEVARAJU, Asst. Prof. CE, IIT Kanpur

