

# Memorandum of Understanding

Between

**Malaviya National Institute of Technology Jaipur, Rajasthan**



and

**Department of Information Technology & Communication (DoIT&C),  
Govt. of Rajasthan**



**DoIT.C**

Department of Information Technology  
& Communication, Rajasthan

On

(Collaboration for utilization of GIS Technologies and Projects)

**March 2023**

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**MEMORANDUM OF UNDERSTANDING**  
**BETWEEN**  
**MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR**  
  
**AND**  
**DEPARTMENT OF INFORMATION TECHNOLOGY & COMMUNICATION**  
**(DOIT&C)**

This MoU is made at Jaipur, Rajasthan on the 20<sup>th</sup> day of Mar. 2023 (hereinafter referred to as the “MoU”).

**BETWEEN**

**Department of Information Technology & Communication**, Government of Rajasthan, having its office at IT Building, Yojana Bhawan, Tilak Marg, C-Scheme Jaipur-302005 (Rajasthan), India, hereinafter referred as “**DoIT&C**” or the **first party**, which expression shall, where the context so admits, be deemed to include its successors, administrators, executors and assignees on the **First Part**,

**AND**

**Malaviya National Institute of Technology, Jaipur** having its office at Jawahar Lal Nehru Marg, Jhalana Gram, Malviya Nagar, Jaipur - 302017, India hereinafter referred as “**MNIT Jaipur**”, which expression shall, where the context so admits, be deemed to include its successors, administrators, executors and assignees on the **Second Part**,

“**DoIT&C**” and “**MNIT Jaipur**” are hereinafter collectively referred to as '**Parties**' and individually as a '**Party**'.

## 1. Preamble

Department of Information Technology & Communications, Government of Rajasthan is the nodal agency for implementing the IT and Geospatial initiatives across the state of Rajasthan.

**Department of Information Technology & Communication**, hereinafter referred as DoIT&C, is working to put information technology to its highest and best use throughout Rajasthan Government Departments / agencies to improve the governance and providing citizen services.

The **Malaviya National Institute of Technology, Jaipur** hereinafter referred as 'MNIT Jaipur' was jointly established in 1963 as Malaviya Regional Engineering College Jaipur by the Government of India and the Government of Rajasthan. Subsequently, on 26 June, 2002, the college was given the status of National Institute of Technology. On 15 August 2007, it was recognized as the Institute of National Importance through an Act of Parliament.

**DoIT&C & Malaviya National Institute of Technology, Jaipur** may at times be referred to individually as "party" and collectively as "parties" whereas **DoIT&C & MNIT Jaipur** have agreed to collaborate using GIS-based technology to enhance the statewide processes, policy, and state development.

## 2. GIS Initiatives by DoIT&C

As part of the multiple initiatives, DoIT&C has established a unified and integrated GIS Infrastructure for the State, namely '*RajDharaa*' to maintain, publish and share State-wide standardized GIS Assets and to support good governance, sustainable development, and citizen empowerment. '*RajDharaa*' facilitates administrators to acquire, process, store, distribute, and improve the utilization of geospatial datasets

Major initiatives taken under *Rajdharaa* are:

- i. Establishing unified platforms from leading GIS solutions like GIS-based data processing & application development platform, Imagery processing platform, 3D City platform, Smart Mapping & Navigation platforms and workflow management platforms, etc.
- ii. 300+ Administrative & Departmental Spatial Data Layers, Satellite Imagery, Basemap, LULC, & PoI datasets for the entire Rajasthan
- iii. 3D City Virtual Model of Jaipur City i.e. Digital Twin of Jaipur City using high-end technologies
- iv. Digital Preservation of selected Heritage Monuments through LiDAR scanning and as-built 3D modelling
- v. Online Building plan Scrutiny Engine
- vi. GIS-based government vehicles tracking on a real-time basis (RAAS)

DoIT&C is also in the process of establishing a High-End lab as a common infrastructure for the effective utilization of the various products and solutions to ease out the various government processes made for citizens.

## 3. Objectives and Scope of MoU

Both the parties intend to enter a non-financial MoU as per the below scope.

This MoU enables

- i. DoIT&C to leverage knowledge management support and Capacity Building from Malaviya National Institute of Technology, Jaipur in conceptualization, development & implementation of Geospatial Solutions/ Applications/ Use-cases.
- ii. Malaviya National Institute of Technology, Jaipur to leverage the availability of emerging technology, infrastructure support, state-owned sharable datasets and vast experience of implementation of GIS projects in Government domain.

It has been envisaged that the GIS Database developed through various projects under RajDharaa shall be utilized **by state-level institutes** to:

- i. Visualize the map of all the layers available with the RajDharaa
- ii. Analyze & utilization of shared GIS services for their educational projects and pave ideas to contribute to the state growth plan
- iii. Obtain high-level static information from the GIS-based application using the Geology maps and Mineral maps.

#### **4. Final Outcome**

- i. Use of provided systems to contribute towards the state progress as per the mandate of Govt. of Rajasthan, DoIT&C.
- ii. Capacity building in Geo-spatial field in the State.
- iii. Benefiting the students / scholars by providing real-life experience by development / implementation of various solutions for the State.
- iv. Optimum utilization of data & resource resulting in better growth of the State.

#### **5. Joint Responsibilities**

- i. Utilizing the available datasets to solve community challenges, educate & empower youth, develop interest among the younger generation and train resources for suitable employment, and contribute towards the state's progress.

#### **6. Roles and Responsibilities:**

##### **a. Joint Responsibilities**

- i. Utilizing the available datasets to solve community challenges, educate & empower youth, develop interest among the younger generation and train resources for suitable employment, and contribute towards the state's progress.
- ii. Providing knowledge support to each other in mutually agreed areas
- iii. On case to case basis raw data may be shared for Research and Development purposes after due approval of the competent authorities and subsequent process as decided. Further, a high end lab being established by the department may also be utilized for this purpose.

##### **b. DoIT&C**

- i. Coordinate, facilitate, and spread awareness on available GIS resources
- ii. Make available sharable GIS datasets, technology and resources as per GoR mandate

- iii. May provide internships to the degree students under prevailing rules / practices
- iv. Provide support to research scholars in their research areas under applicable acts / rules / practices
- v. Assess and publish suitable solutions / applications developed as a part of the course / assignment and duly submitted by the institute in an authorized manner.

**c. Institute**

- i. Shall coordinate with DoIT&C for required GIS datasets, technology and resources
- ii. May include chosen GIS applications / use-cases as case-studies and make the same as part of training / course curriculum
- iii. Nominate names of scholars / students for research / internship
- iv. Publish geo-spatial datasets on RajDharaa produced with the help of the Geo-spatial resources provided by DoIT&C
- v. Share / publish chosen geo-spatial analysis / application benefiting the state
- vi. The data provided by DoIT&C shall be used only for the educational purpose and shall not be shared with any third party without having competent approvals from DoIT&C/GoR.

**7. Financial Implication:**

There will be no financial implications for either of the parties. However, if a direct cost involvement is envisaged in performing any value-added activity in future, terms for the same shall be mutually decided between both the parties.

**8. Validity**

The MoU shall be effective from the date on which it is executed by the parties and may continue for a period of two (2) years; which may further be extended by mutual consent. The MoU may be terminated at any time by mutual agreement on one month's notice at any time by either party.

**9. Executive Members**

<b>DoIT&amp;C</b>	<b>Malaviya National Institute of Technology, Jaipur</b>
Shri Y K Jain, Technical Director	Prof. Mahesh Kumar Jat, Department of Civil Engineering
Shri Apresh Dubey, Additional Director	Dr. Satish Pipralia, Department of Architecture & Planning

**10. Language of communication**

Any notice, request, or other communication required or permitted to be given under this MoU shall be in writing in the English / Hindi language.

**11. Confidentiality & Non-Disclosure**







- a. For the purposes of this Agreement, the term "Confidential Information" shall mean all non-public written, electronic, oral, visual or intangible information disclosed to the Institute by DoIT&C or as may be voluntarily learnt or observed by the Institute or its employees/representatives. Each Party will maintain the confidentiality of any

information it receives from the other Party, which is marked confidential or proprietary or which would, under the circumstances, appear to a reasonable person to be confidential or proprietary.

- b. It may be necessary for DoIT&C to disclose or exchange certain confidential and proprietary information with the Institute. The Institute undertakes on its behalf and on behalf of its employees/representatives/associates etc. involved in the Institute to maintain a strict confidentiality and refrain from disclosure thereof, of all or any part of the information and data exchanged/generated from the Project under this MoU for any purpose other than in accordance with this MoU and for the commercialization of the Project.
- c. The confidentiality does not apply to information:
  - i) that is in the public domain through no fault of a Party,
  - ii) is required to be disclosed by law,
  - iii) is disclosed with the consent of the disclosing Party,
  - iv) is independently developed by the receiving Party without use of any Confidential Information of the disclosing Party or
  - v) was previously in the receiving Party's possession, as shown by its pre-existing records, without violation of any responsibility of confidentiality
- d. The Institute shall not use the confidential information as shared by DoIT&C or upon request or during normal course of interaction except with the prior written consent of DoIT&C or where the disclosure is to employees, directors, agents, consultants or parent or subsidiary companies on a need-to-know basis for the purposes of this MoU.
- e. Notwithstanding anything contained in this MoU, the Institute shall adhere to the provisions of the Information Technology Act, 2000 (Act), and/or such other applicable laws with respect to data security, breach of privacy and confidentiality.

**12. Duration**

This MoU shall be effective for a period of two (2) years or till rescinded by both parties with mutual consent, whichever is earlier. WHEREOF the parties hereto have set and subscribed their respective hands and seals the day and year first hereinabove written.

Signed for <b>DoIT&amp;C</b>	Signed for <b>Malaviya National Institute of Technology, Jaipur</b>
Signature: 	Signature: 
Name: <b>(Ashish Gupta)</b> Commissioner & JS IT & C	Name: <b>Prof. N.P. Padhy</b> 
Designation:	Designation: <b>Director</b>
In the presence of witnesses	
1. <b>Y. K. Jain</b> 	1. 
2. <b>APRISH DUBEY</b> 	2. 