


<p>QNM 3.1.3</p>	<p>Number of departments having Research projects funded by government and non-government agencies during the year</p> <p>3.1.3.1: Number of departments having Research projects funded by government and non-government agencies during the year</p> <table border="1" data-bbox="548 579 1057 659"> <tr> <td>Year</td> <td></td> </tr> <tr> <td>(INR in Lakhs)</td> <td></td> </tr> </table> <p>Data requirement for year: (As per Data Template)</p> <ul style="list-style-type: none"> <li>• Name of the Principal Investigator</li> <li>• Duration of the project</li> <li>• Name of the research project</li> <li>• Amount / Fund received</li> <li>• Name of funding agency</li> <li>• Year of sanction</li> <li>• Department of recipient</li> </ul> <p><b>File Description (Upload)</b></p> <ul style="list-style-type: none"> <li>• List of research projects and funding details (Data Template)</li> <li>• Any additional information</li> <li>• Supporting document from Funding Agency</li> <li>• Paste link to funding agency website</li> </ul>	Year		(INR in Lakhs)																	
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**List of research projects and funding details (Data Template, convert from excel to word)**

3.1.3 Number of departments having Research projects funded by government and non-government agencies during the year

<b>Name of the Principal Investigator</b>	<b>Duration of the project</b>	<b>Name of the research project</b>	<b>Amount / Fund received</b>	<b>Name of the Funding Agency</b>	<b>Year of sanction</b>	<b>Department of recipient</b>	<b>Type (Government/ non-Government)</b>
Prof. Akshata Bhat	365	Major Project - Lonosphere Parameter Tracking and Observations	Non-Funded Project	Indian Institute of Geomagnetism, Mumbai	2021	Electronics Engineering	Government
Prof. Akshata Bhat	365	Major Project - Solar Cycle Prediction using ML technique	Non-Funded Project	Indian Institute of Geomagnetism, Mumbai	2021	Electronics Engineering	Government

**Paste link to funding agency website**

Indian Institute of Geomagnetism, Mumbai an Autonomous Research Institute, Department of science & Technology, Government of India.

Link: <https://iigm.res.in/>

**Project-1:** Dr. Sripathy Rao (Lonosphere Parameter Tracking and Observations)

Collaborative Research with Indian Institute of Geomagnetism, Panvel, Navi Mumbai

**Team Leader: Prof. Akshatha Bhat**

**Students:**

Sr.No	Name	Branch	Affiliation
1	Aniket Randive	BE ETRX A	VIT
2	Emad Haque	BE ETRX A	VIT
3	Shaikh Abdullah	ME INFT C	VIT
4	Ansari Aquib	BE INFT A	VIT
5	Sheikh Intakhab	TE CMPN C	VIT
6	Manish Yadav	TE CMPN C	VIT
7	Vinayak Ranshevare	TE EXTC A TE	VIT

**Project-2:** Dr. Amar Kakkad (Solar Cycle Prediction using ML technique)

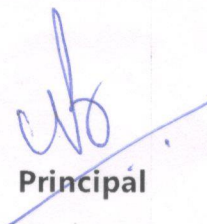
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2	Emad Haque	BE ETRX A	VIT
3	Abhishek Singh	BE ETRX A	VIT
4	Sainath Attarde	TE ETRX A	VIT
5	Ritesh Bangera	BE ETRX A	VIT
6	Rajdeep Bhoir	TE ETRX A	VIT



  
**Principal**

# **Memorandum of Understanding**

**Between**

**Indian Institute of Geomagnetism  
Navi Mumbai**

**And**

**Vidyalankar Institute of  
Technology  
Mumbai**

*S. Chandra*



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MEMORANDUM OF UNDERSTANDING

**This Memorandum of Understanding (MoU)  
is entered into on**

**10 August 2020**

**BY AND BETWEEN**

**Indian Institute of Geomagnetism**

**Having its office at New Panvel, Navi Mumbai 410 218  
(Hereinafter referred to as 'IIG')**

**AND**

**Vidyalankar Institute of Technology**

**Having its office at Wadala (East), Mumbai  
(Hereinafter referred to as 'VIT')**

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### Introduction:

- 1.1 VIT and IIG agree to enter into a "Joint Collaboration".
- 1.2 This Memorandum of understanding ("MoU") sets out below the principles listed in this MoU by which VIT and IIG establish a formal agreement regarding such activities.

### PREAMBLE:

Whereas, Indian Institute of Geomagnetism (IIG), Navi Mumbai, is a leading institute of the country, actively engaged in basic and applied research in Geomagnetism and allied areas of Geophysics, Atmospheric & Space Physics and Plasma Physics. In 1971, IIG became autonomous and now it is under the Department of Science & Technology, Government of India. IIG operates three Regional Centers (at Tirunelveli, Allahabad and Shillong) and magnetic observatories at twelve locations across the length and breadth of the country.

Whereas, the VIT is an educational institution imparting education in Engineering and Management Studies.

Whereas, VIT and IIG (collectively referred to as 'Parties') agree to take up collaborative research programmes consisting of multiple activities with specific research goals. These parties will share their expertise and information. This effort shall be directed to collaborative research in the field of geomagnetism and allied research. In this endeavor, IIG shall contribute in terms of framing the research plan, conceptual background and the relevant data. VIT shall contribute by developing data processing algorithms and electronic instrumentation required for the collaborative research programmes.

### TERMS OF UNDERSTANDING:

- IIG shall identify the problem and provide the guidance in the areas of collaborative research.
- VIT shall identify suitable students / faculty members on the project and would ensure systematic progress towards achieving the desired goals in the research.
- There will not be any financial commitment on the part of either party. However, if the research activity demands financial inputs, the parties shall

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seek approval from their corresponding competent authorities before proceeding ahead.

- After progress of the research program for 3 to 6 months, the parties may decide to take up a funded research program with Government departments or Industries. The financial and administrative terms for such activities will be independent from this MoU and shall be separately decided with mutual agreement.
- In case of any dispute arising out of this agreement, the heads of the institutions shall endeavor to resolve such controversy or dispute through mutual discussions and in good faith.
- A Programme Monitoring Group (PMG) will be constituted through the Heads of respective organizations to facilitate joint activity. The scope of PMG will be worked out in due course of time.
- Typically, two-three visits a month will be in place for students and faculty, according to the needs and availability.

#### CONFIDENTIALITY AND INTELLECTUAL PROPERTY RIGHTS (IPR):

- As a part of this activity, IIG and VIT shall share data, algorithms and technologically sensitive information. Both the parties shall not disclose such information to any third party without formal consent from the other party.
- The parties also agree to follow appropriate discipline and ethics while publishing and communicating the outcome of this collaborative research to periodicals or any external agency. This means that the data, algorithms and other technological details shall be communicated only after formally obtaining mutual consent and acknowledging appropriate credits to individuals and institutions.

#### GENERAL:

- The parties to this MoU shall not be deemed to be in breach of this understanding or otherwise liable to any other party in any manner whatsoever for any failure or delay in performing or initializing the activities proposed in this MoU.

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**VALIDITY:**

- This agreement is valid for the period of ONE year from the effective date and extendable by mutual agreement between the parties. The agreement may be terminated by a notice of two months by any party and the consent by the other party.

S. *Crumbsen*  
Prof. S. Gurubaran  
Professor G

*[Signature]*  
Dr. Swati Sinha  
Associate Professor

ON BEHALF OF IIG

ON BEHALF OF VIT

Witness 1

*[Signature]*  
(Name and designation of the witness)

डॉ. अश्विनी कुमार सिन्हा, प्रोफेसर-ई  
Dr. Ashwini K. Sinha, Professor E  
शासकिय संयोजक / Admin. Coordinator  
भारतीय भूचुम्बकत्व संस्थान  
INDIAN INSTITUTE OF GEOMAGNETICS  
नया पुरा, नवी मुंबई, New Pura, Nav. Mumbai-400 072

Witness 2

*[Signature]*  
Principal  
Vidyalankar Institute of Technology  
Antop Hill, Wadala (E), Mumbai-400 072  
(Name and designation of the Witness)



S. *Crumbsen*

*[Signature]*

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