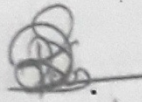


**3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/  
internship during the year 2020-21**

**Department of Statistics**

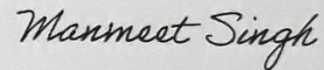
# CERTIFICATE

This is to certify that the project report entitled “Lorenz 96 using deep learning technique” is submitted by **Nandini Jain and Mrunal Kawadkar** in partial fulfillment for the award of the degree of Master of Science in Statistics of the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur has been carried out by them under our guidance and supervision at the Indian Institute of Tropical Meteorology, Pune and Department of Statistics, Institute of Science, Nagpur.



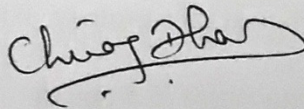
Dr. Sooraj KP  
(Scientist-E)

Indian Institute of Tropical Meteorology  
Pune.



Mr. Manmeet Singh  
(Scientist -C)

Indian Institute of Tropical Meteorology  
Pune.



Dr. Chirag Dhara  
(Research Associate)

Indian Institute of Tropical Meteorology (IITM), Pune  
\*Assistant Professor, Krea University, Sri City.



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Tel. No. (0712) 2565581/2561148

**Letter of Intent for Research Collaboration**

Between

**Laxminarayan Institute of Technology,**

**RTM Nagpur University, Nagpur**

and

**Institute of Science, Nagpur**

**Laxminarayan Institute of Technology** (hereinafter: "LIT") is an internationally recognized institute for Chemical Engineering and Chemical Technology, whose main goals are fostering scientific research and technological applications and qualifying personnel in the fields of Chemical Engineering and Technology.

**Institute of Science** is a teaching and research institute in the field of basic sciences. It will contribute substantially to the development of knowledge exchange, with the society.

**Recognizing** that LIT and Institute of Science, hereinafter called the PARTIES, share certain common interests and priorities;

**Considering** that both Parties have expressed interest in establishing a closer relationship between them for the purpose of exploring cooperative opportunities in the areas of common interest;

**Acknowledging** that the exploration of cooperative opportunities in areas of common interest may result in the Parties agreeing to work together in a particular area and/or on a specific project which may require the establishment of specific formal collaboration agreements to regulate the terms and conditions for their development;

The Parties have expressed the intention to promote:

- dissemination of scholarly publications;
- joint research project
- joint supervision of research students;



Other areas of interest for joint research and collaboration may be identified at a later stage by both the institute. The below mentioned authority for this will use their best efforts to advance the above mentioned collaboration.

Presently Ms. Varsha Nandeshwar, who will likely participate in the planning, execution or analysis of experiments for the minimum period of Jan 2021- Dec 2025 (five years). Her principal research areas is synthesis of useful nanoparticles from different plants (60%) at Institute of Science under the guidance of **Prof S A Kalkar** and investigate its importance in advanced oxidation process used for water purification (40%) at LIT under the guidance of **Dr. Pratibha S Agrawal**.

This work will likely contribute for her Ph D work also.

Obviously the instrumentation to be made available through the User Consortium to other research groups also. All information that is disclosed on a confidential basis shall be held strictly confidential by the receiving party and shall not be disclosed to any third party by the receiving party.

The appropriate programmatic and administrative personnel of each organization involved in this collaboration are aware of this.

Sincerely,

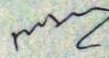
Dated- January 09, 2021

Nagpur

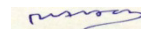
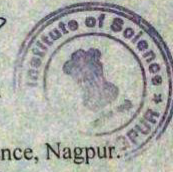


Prof (Dr) R. B. Mankar  
Director  
LIT, RTMNU, Nagpur.

**Director**  
**Laxminarayan Institute of Technology**  
Rashtrasant Tukadoji Maharaj Nagpur University



Dr. R. G. Atram  
Director  
Institute of Science, Nagpur.  
**Director**  
**Institute of Science**  
**NAGPUR.**



**Director**  
**Institute of Science**  
**NAGPUR.**

**Dr. R. G. Atram**  
**Director**