

# **Department of Computer Science and Engineering**



## **National Institute of Technology Delhi**



# VISION & MISSION



## VISION

To communicate quality Computer Science Education for producing globally identifiable technocrats and entrepreneurs upholding sound ethics, profound knowledge, and innovative ideas to meet industrial and societal expectations.

1. To impart value-based technical knowledge and skill relevant to Computer Science and Engineering through effective pedagogies and hands-on experience on the latest tools and technologies to maximize employability.
2. To strengthen multifaceted competence, nurture creativity and innovation and create entrepreneurial environment for an ever-changing technological scenario requiring communally cognizant solutions.
3. To create an appetite for research and higher education in contemporary and emerging areas of Computer Science.
4. To inculcate the moral, ethical, and social ideals essential for prosperous nation-building.



## MISSION

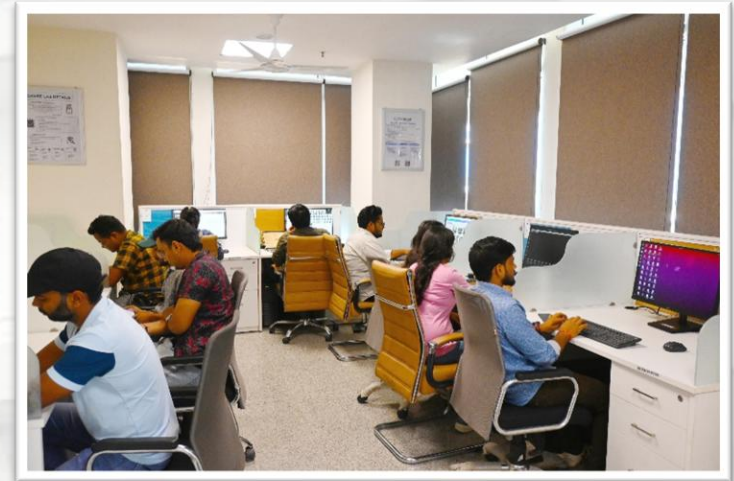


# Data Analytics and Vision for Smart Environments Lab (GF Lab No. 13)

**Lab Coordinator** : **Dr. Sahil**  
**Technical Staff** : **Mr. Ankur**

## On-going Research Activities:

- **Smart Disaster Management**
  - Remote Sensing-based Forest Fires Detection
- **Intelligent Transportation Systems**
  - Artificial Intelligence-assisted Intelligent Public Transportation
- **Smart Healthcare**
  - Data Analytics for Mental Health diagnosis
- **Smart Agriculture**
  - Federated Learning-based Soil Profiling
- **Bibliometrics**
  - Interrelationships-based study of Research Frontiers in Emerging Research Domains





# Data Analytics and Vision for Smart Environments Lab (GF Lab No. 13)

## Workstations Technical Specification

<b>Processor</b>	<b>Name:</b>	Intel Xeon Gold 6226R
	<b>Total Cores:</b>	16
	<b>Total Threads</b>	32
	<b>Max Turbo Frequency</b>	3.90 GHz
	<b>Base Frequency</b>	2.90 GHz
	<b>Cache</b>	22 MB
<b>Pre-loaded AI Frameworks</b>		CuDNN, Pytorch, MxNet
<b>Accelerator (GPU)</b>		RTX A 6000 – 48 GB
<b>Memory</b>		64 GB
<b>Storage</b>		SSD - 512 GB HDD – 2 TB
<b>OS</b>		Ubuntu 20.04 LTS
<b>Monitor</b>		BenQ – 24 inch (1920 x 1080)



Qty: 5 Workstations



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धन्यवाद | THANK YOU

कंप्यूटर विज्ञान एवं अभियांत्रिकी विभाग

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