ACM India Summer School 2025

Hosted by IIT Gandhinagar, Gandhinagar

02–13-June 2025

- **School website:** https://sustainability-lab.github.io/events/acm-summer-2025/
- **Name of the school:**
  - ACM India Summer School on **Artificial Intelligence for Social Good**

  (Sponsored by TCS Research & Netweb Technologies)
- **Host institution's name and address:**
  - IIT Gandhinagar, Palaj, Gandhinagar, Gujrat, 382055
  - Dates: 02-13 June 2025
- **Local coordinators:**
  - Name: Nipun Batra
  - Email: nipun.batra@iitgn.ac.in
- **Academic coordinators:**
  - Name: Anirban Dasgupta
  - Email: anirbandg@iitgn.ac.in
- **ACM India Point of Contact:**
  - Name:
  - Email:
- **2-3-line description of the school:**
  The ACM Summer School on AI for Social Good at IIT Gandhinagar (June 2–13, 2025) offers an intensive 11-day program on AI techniques used for real-world impact in social good (healthcare, sustainability, and more). Designed for advanced students, it features expert talks, hands-on tutorials, panel discussions, fostering technical expertise and interdisciplinary collaboration.

- **Broad Topics that will be covered:**
  - AI For Social Good domains:
    - AI For Healthcare
    - AI for Sustainability
    - AI for Agriculture
  - Technical topics would cover (contextualised to above mentioned applications):
    - Object Detection
    - Bandits and Reinforcement Learning

        - Time series modelling
        - Large Language Models
        - Fairness and Explainability in Artificial Intelligence
        - Self Supervised learning
        - Bayesian ML
        - Graph Neural Networks
        - Multi modal learning

- **List of speakers (with affiliation): (more speakers to be added to the list soon. This is the confirmed list thus far)**
    - Manish Gupta, Google India [Keynote]
    - Venkat Padmanabhan, Microsoft Research India [Keynote]
    - Sayan Ranu, IIT Delhi
    - Tavpritesh Sethi, IIIT Delhi
    - Nipun Batra, IIT Gandhinagar
    - Anirban Dasgupta, IIT Gandhinagar
    - Udit Bhatia, IIT Gandhinagar

- **Background / prior courses recommended:**
    - Machine learning
    - Probability, Statistics and Data visualization techniques
    - Basics of Computer Vision and Natural Language Processing

- **Any specific software (Matlab, Python, etc) to be used:**
    - Python