

# AICTE-Vibrant Advocacy for Advancement and Nurturing of Indian Languages Institution (VAANI)



2-Day Workshop on

**Empowering Indian Farmers: Precision Farming through IoT, AI, and ML for Sustainable Agriculture**

Date: September 11th - 12th, 2025



We are delighted to announce that the Department of Computer Science & Engineering, Techno International New Town, will conduct a 2-day workshop on Empowering Indian Farmers: Precision Farming through IoT, AI, and ML for Sustainable Agriculture in Bengali, from September 11th to 12th 2025. This workshop is sponsored by the AICTE-VAANI scheme, which aims to provide financial assistance to AICTE-approved institutions for conducting events such as conferences, seminars, and workshops in emerging technical fields in 12 regional languages. This scheme represents the AICTE's commitment to promoting high standards in technical education in regional languages. By extending opportunities to academicians and working professionals to share their knowledge, experiences, innovations, and inventions in 12 emerging fields, the AICTE is encouraging institutions to build a knowledge base through events conducted in regional languages. This workshop serves as a valuable forum for individuals to contribute to advancing technical education in regional languages by participating in discussions and knowledge-sharing activities.

Local language communication in India is vital for effective developmental action. According to the Census of India, 122 major languages and 1599 other languages, out of which over a million native speakers speak 30 languages in different parts of India. Disseminating knowledge and strengthening the learning process through regional languages thus becomes necessary to achieve the Viksit Bharat 2047 dream. Regional Level Conferences/Seminars/Workshops on the recent trends/updates/innovations in the technical field are supported under this scheme. The Conference/Seminar/Workshop of a minimum of 02 days to a maximum of 03 days & minimum of 50 participants will be supported under the scheme.

For further details and registration information, please visit Techno International New Town's official website or contact the Department of Computer Science & Engineering.

**For Registration:** <https://forms.gle/mFtN75yZmUrPbUhk7>

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## Schedule:

### AICTE-VAANI sponsored a 2-day workshop on Advanced Computing, from 11th to 12th September 2025

Techno International New Town, Block DG, 1/1, Action Area I, Newtown, Kolkata

**Inauguration: 11<sup>th</sup> September 2025, 9:00 am**

**Venue:** Seminar Hall (201), Block C, Techno International New Town

**Inaugural speech by:** Dr. Ayan Chakraborty, Principal, Techno International New Town

**Welcome Address by:** Dr. Swagata Paul, Academic Coordinator, Techno International New Town

**Keynote speech by:** Dr. Sanku Bose, Group Chief Executive Officer at Techno India Group (SRC)

Day	10:00 – 11:00		11:30 – 12:30	12:30 – 1:30		2:30 – 3:30	3:30 – 4:30	4:30 onwards
11/09/25	Dr. Sanjay Choudhury, Centre for Development of Advanced Computing (C-DAC), Kolkata .  <b>Topic:</b> Precision Farming in India	<b>Tea break</b>	Dr. Alokesh Ghosh, Centre for Development of Advanced Computing (C- DAC), Kolkata .  <b>Topic:</b> Biosensors as a powerful tool in Precision Farming	Dr. Debashis De, Professor and Director IQAC, MAKAUT, WB.  <b>Topic:</b> Touch of IoT in Agriculture	<b>Lunch break</b>	Dr. Subrata Sarkar, Scientist E, CDAC, Kolkata.  <b>Topic:</b> Design and Instrumentation Issues in Precision Farming	Dr. Pronaya Bhattacharya, Amity University, Kolkata.  <b>Topic:</b> Advanced Scientific Computing in Agriculture	<b>Tea break</b>
12/09/25	Dr. Amlan Chakraborty, Director, A.K. Choudhury School of Information Technology, University of Calcutta, India.  <b>Topic:</b> Future of Indian farmers with AI and IoT	<b>Tea break</b>	Dr. Hena Roy, Scientist E, CDAC, Kolkata .  <b>Topic:</b> Use of Robotics in Agriculture.	Dr. Subhankar Mukherjee, Centre for Development of Advanced Computing (C- DAC), Kolkata .  <b>Topic:</b> Future of Indian Farmers	<b>Lunch break</b>	Dr. Satyenda Nath Mandal, Kalyani Govt. Engineering College.  <b>Topic:</b> Growth of India with the growth of farmers	Dr. Sudip Misra. Professor, Department of Computer Science and Engineering, IIT Kharagpur.  <b>Topic:</b> Rainbow of Precision Farming	<b>Tea break</b>

**Valedictory and certificate distribution:** 12<sup>th</sup> September 2025, 4.30 pm onwards

**Vote of thanks by:** Dr. Nilanjana Dutta Roy and Dr. Nilanjan Dey