

Maharaja Surajmal Institute of Technology

GenAI Workshop Report

Type of Activity	Generative AI Mega Workshop (FREE)
Mode, Date and Time	Online Mode — 21st February, 2026 (Saturday), 11:00 AM onwards
Organizer	Placement Cell, Maharaja Surajmal Institute of Technology, in association with NxtWave (CCBP)
Target Audience	1st, 2nd & 3rd Year Students (All Branches)
Resource Person	Mr. Abhinav Devaguptapu (AI & Cybersecurity Expert)
Mode	Online (Webinar via webinar.ccbp.in)
Certificate	NxtWave Participation Certificate (Resume & LinkedIn)

The Placement Cell of Maharaja Surajmal Institute of Technology (MSIT) organized a highly anticipated **FREE Generative AI Mega Workshop** in association with **NxtWave (CCBP)** on 21st February 2026. The workshop was conducted online via the NxtWave webinar platform and was open to students across all branches in their 1st, 2nd, and 3rd year. The event was led by the distinguished AI & Cybersecurity Expert, **Mr. Abhinav Devaguptapu**, who delivered an engaging, hands-on session covering the foundations and practical applications of Generative AI.

Workshop Coverage

The workshop was structured around four major learning pillars, giving participants a comprehensive introduction to the Generative AI landscape:

Module	Topics Covered
Generative AI Landscape	Opportunities, Investments, Applications, Demonstrations
Architecture	Building Blocks, High-Level Understanding of LLMs
Nuts & Bolts	LLM, Langchain, Gradio, PlayHT, Hugging Face, Google Colab, Vector Database
Build Your AI Avatar	Building the Model, Development & Testing, Deployment
Publish & Showcase	Showcasing work on LinkedIn, Instagram, and other platforms

Generative AI Tools Showcased

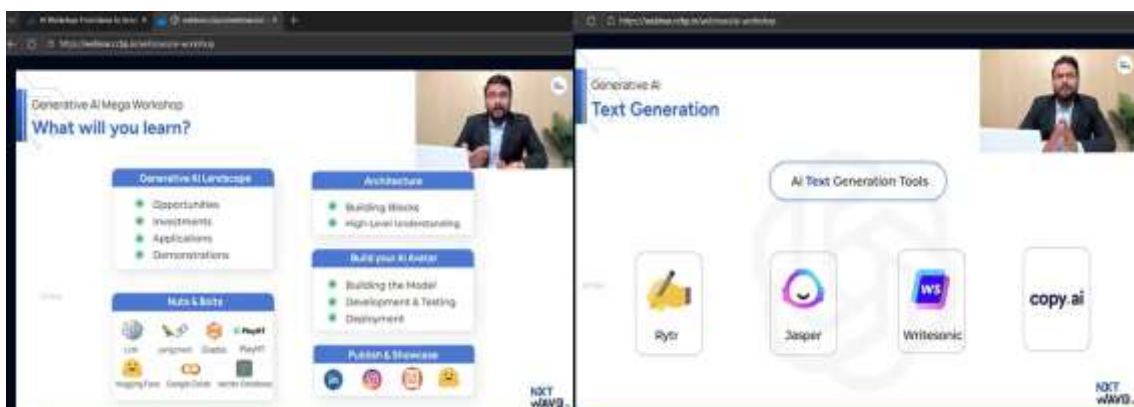
The session covered an extensive range of AI tools across multiple modalities, giving students a real-world view of what Generative AI can produce today:

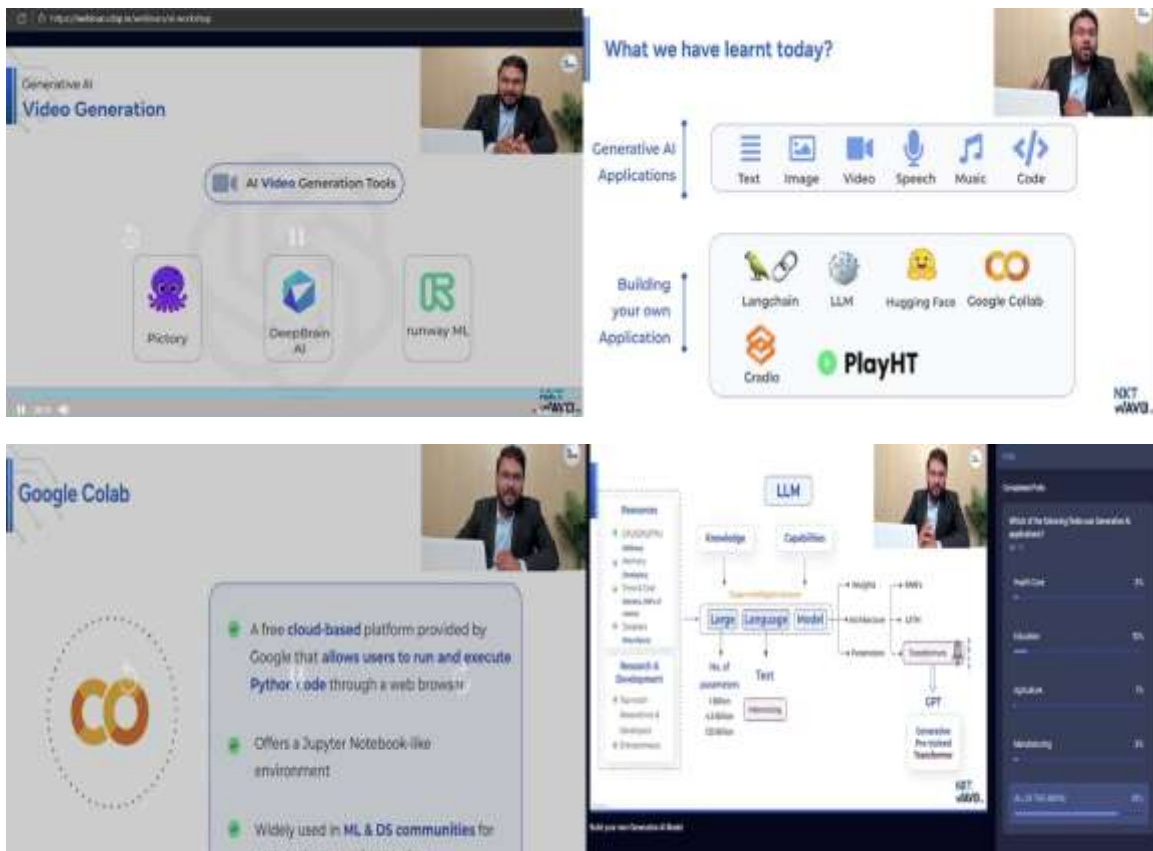
Category	Tools Demonstrated
Text Generation	Rytr, Jasper, Writesonic, Copy.ai
Video Generation	Pictory, DeepBrain AI, Runway ML
Image Generation	AI image generation platforms (Stable Diffusion ecosystem)
Speech & Music	PlayHT for AI voice synthesis; Music generation tools
Code Generation	LLM-based code completion and generation tools

Hands-On Session: Build Your Own AI Avatar

A significant highlight of the workshop was the hands-on, guided session in which participants were walked through the complete pipeline to build their own AI Avatar. Using Google Colab as the development environment, students worked with Langchain, Hugging Face models, Gradio for the frontend interface, and PlayHT for AI voice synthesis. The session culminated with each participant understanding how to deploy and publish their AI-powered application on professional platforms such as LinkedIn.

Workshop Glimpses





Key Takeaways

The GenAI Mega Workshop provided students with a rare opportunity to interact with an industry expert and gain first-hand exposure to the fast-growing Generative AI ecosystem. Participants came away with a clear understanding of the current Generative AI landscape, including market opportunities and investments; the architectural foundations of Large Language Models (LLMs) including Transformers and GPT; hands-on experience with industry-standard tools like Langchain, Gradio, Hugging Face, and Google Colab; and practical knowledge to build, test, deploy, and showcase their own AI-powered application. All registered participants also received a **Certificate of Participation from NxtWave**, which adds significant value to their resumes and LinkedIn profiles.

Audience Engagement

The session featured interactive polls and Q&A; segments to gauge student understanding and interest. In one notable poll on the applications of Generative AI across sectors — including Healthcare, Education, Agriculture, and Manufacturing — an overwhelming **81% of participants correctly identified that Generative AI is applicable across ALL of the above sectors**, reflecting strong conceptual engagement by the audience.

Conclusion

The Generative AI Mega Workshop organized by the Placement Cell of MSIT in partnership with NxtWave was a resounding success. It equipped students with both the conceptual foundations and practical skills to navigate the rapidly evolving world of AI. Such initiatives reflect the institution's unwavering commitment to preparing students for the demands of the modern technology landscape and fostering an innovation-driven culture within the campus.

Dr. Meena Rao

Convener Placements