



TOPIC OF SEMINAR	AI for Atmanirbhar Bharat: AI-powered learning and research.
OBJECTIVES	The workshop aimed to bridge the gap between traditional academic methods and modern AI technology. It focused on empowering students to use AI tools for personalized learning, advanced research, and efficient content creation to foster a self-reliant (Atmanirbhar) academic environment.
METHODOLOGY	The session was conducted as a live, hands-on demonstration. Prof. Arun Julka guided students through real-time AI applications, focusing on "Learning by Doing" to ensure students could replicate the results for their own coursework.
INVITED SPEAKER	Prof. Arun Julka, a distinguished academician with over 30 years of teaching experience, specializing in the intersection of technology and education.
OUTCOMES	Skill Acquisition: Students moved from basic AI usage to advanced prompt engineering. Research Efficiency: Participants were equipped with tools (SciSpace, NotebookLM) that significantly reduce the time required for literature reviews and assignment drafting. Personalization: The ability to create "Gems" allowed students to build a personalized digital learning ecosystem.

The session was meticulously designed to transform how students approach their daily academic tasks. The key modules covered included:

1. The Art of Prompt Engineering: * Learning the architecture of an "Effective and Perfect Prompt."
 - o Specific techniques for generating visual aids like flowcharts with custom color schemes and tailored content for specific target audiences.

2. Academic Role-Playing & Document Analysis:

- Training AI to act as a personal tutor by uploading syllabi and Previous Year Questions (PYQs).
- Generating customized Viva-voce questions, MCQs, and practice tests.

3. Customized AI with Gemini 'Gems':

- Instruction on creating a "Customized AI Persona."
- Defining specific abilities for the AI to ensure consistent, high-quality answers for long-term college projects and note generation.

4. Specialized AI Toolkits:

- NotebookLM: Demonstrated as a powerhouse for creating multilingual notes, audio summaries, presentations, and videos while setting a specific "brand tone."
- SciSpace AI: Introduced as a specialized tool for navigating complex research papers and simplifying assignment citations.
- Gemini Guided Learning: Using AI as a step-by-step mentor rather than just an answer engine.

5. AI for Content Creation:

- Practical prompt sets for creative content, enabling students to bridge the gap between academic research and digital presentation.



UDYAM

ENTREPRENEURSHIP AND INNOVATION: START-UP CELL
DAULAT RAM COLLEGE

presents

AI FOR ATMANIRBHAR BHARAT

Pre-Summit activities for
AI Impact Summit 2026 under IndiaAI Mission

LEARN FROM THE BEST!



HANDS-ON WORKSHOP ON AI POWERED LEARNING AND RESEARCH

PROF ARUN JULKA

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Associate member of the Institute of Cost and Works
Accountants of India
Senior Fellow at Guru Angad Dev Teaching Learning Centre
of MHRD at SGTB Khalsa College, University of Delhi

With over 30 years of teaching and
academic experience, he has conducted
more than 700 sessions in GAD-TLC and
other colleges. Conducted workshops on
topics like Moodle and e-learning
applications



DATE : 6th FEBRUARY , 2026



TIME : 10:30-11:30 A.M



VENUE : Room no : 215

REGISTER NOW!



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Coordinator

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Convenor

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Vice Principal

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Chairperson

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