Workshop on
Gen-AI for New Age Educators

📅 23 March 2024 | 📍 TLC Room - 1224 FD1

Organized by
Teaching Learning Centre
BITS Pilani - Pilani Campus

BITS Pilani
Pilani Campus

Registration Fee:

Eligibility: Faculty/Research Scholar/Other Academic Professional

Offline: INR 1000 Online: INR 500

Eligibility: Industry Professional

Offline: INR 1500 Online: INR 1000

Registration Fee Include GST

Last Day of Registration: 15th March 2024

★ **E-Certificates will be provided to all the registered participants**

★ **Registration Fee is non refundable**

Click here for Registration

Pay Registration Fee

Beneficiary Name & Science, Pilani	Birla Institute of Technology
IFSC CODE No.	UTIB00011
Bank Account No.	918010089
Bank	AXIS BANK
City | Branch	PILANI

Accommodation

For accommodations click on the link below:
https://web.bits-pilani.ac.in/tlc/Pilani/PDF/Accommodations.pdf

Leadership
Prof. V. Ramgopal Rao, Vice-Chancellor, BITS Pilani
Prof. Sudhirkumar Barai, Director, BITS Pilani-Pilani Campus

Faculty In-charge
Prof. Shibani Khanra Jha,
TLC-BITS Pilani-Pilani Campus

No Prerequisite Knowledge of Gen-AI needed

For any queries, please write to us at
tlc@pilani.bits-pilani.ac.in

About BITS Pilani

Birla Institute of Technology & Science, Pilani (BITS Pilani) is a Deemed-to-be University, offering on-campus programs to more than 18,500 students across its campuses in Pilani, Goa, Hyderabad, Mumbai, and Dubai. It has been recognized as an "Institute of Eminence" by the Ministry of Education, Government of India, in 2020. In QS Asia University Rankings 2023, BITS has been ranked 188th, the only private institute from India in Asia Top 200, and at 18 in India. Further, BITS Pilani has been ranked among the top 300 in QS World University Graduate Employability Rankings 2022 and within the top 8 in India. Having pioneered several curricular and pedagogic attributes, BITS Pilani has a vision to be amongst the top research-led Institutes in the country. Pioneering teaching-learning experiences like "Intensive Teaching Workshop" for the newly joined faculty, and continuous faculty development programs within and outside BITS, coupled with cutting-edge research, give BITS Pilani its name. The details of BITS Pilani can be obtained from
https://www.bits-pilani.ac.in/

Teaching Learning Centre (TLC)

Teaching Learning Center (TLC) established across the institute, on all four campuses, promotes the teaching-learning experiences, encourages innovation in teaching-learning methodologies, and creates a platform for learning from the best practitioners and from each other. It also does foundational research related to teaching-learning processes and actively seeks strategies/interventions in specific target contexts. TLC promotes outreach program such as FDPs, Workshops and Exposure Visits and supports the role of mentor. To disseminate the new age pedagogy and Technology enabled teaching learning methods, TLC conducts International Conferences, Workshops & Training on regular interval. The details of the Teaching Learning Center can be obtained from
https://web.bits-pilani.ac.in/tlc/Pilani/index.html

About Workshop

This workshop will facilitate collaboration among educators and researchers, deploy Generative AI models in teaching, research environments which can help identify potential collaborators based on research interests, suggest relevant literature, and simplify initiating collaborative projects. Faculty can use Gen AI to assist with simple research tasks, curriculum development, and student assessments. This workshop will have Sessions with learning outcomes given below

Session 1: What is Gen AI and how did we reach here?

Learning outcomes:
1. Learn about large language models (LLMs) and the theory behind them
2. Time line of advancement from Machine learning/AI to Gen AI
3. What is so unique about Gen AI
4. What are different use cases of Gen AI
5. Prompt Engineering and Context Window.

Session 2: Gen AI Case studies for EdTech
Case study 1. Gen AI for conversational/ interactive teaching

Learning outcomes:
1. How to use Gen AI to build interactive applications
2. What are the different technologies required to build Gen AI applications

Case study 2. Gen AI for fast information retrieval/literature survey

Learning outcomes:
1. How to use Gen AI for finding out relevant information from a large data corpus
2. How to use Gen AI to summarize documents
3. How to use Gen AI for teaching content creation

Case study 3. Leveraging Gen AI using open source solutions

Learning outcomes:
1. Commercial vs Open source large language models (LLMs)
2. How to use Open source LLMs to get commercial LLM quality outcomes
3. Merits of Open source LLMs compared to commercial LLMs.

Workshop Schedule — March 23, 2024 - Venue: TLC Room - 1224 FD1

Time	Session	Resource Person
9:00 - 9:15 am	Welcome Address by Prof. Shibani Khanra Jha, Faculty-In-Charge, TLC	**Anupam Purwar** Senior Research Scientist - Amazon, MBA - ISB B.E - BITS Pilani, Scientist at IISc- Banglore, Author of 30+ Peer Reviewed Article on Machine Learning, IoT, Computational Design, Certified Machine Learning Professional with 12 + Certifications from Google and AWS, Recipients of Malviya Award from Indian Ceramic Society and Research Grants from Govt. of India https://anupam-purwar.github.io/page/
9:15 - 9:30 am	Tea Break and Photo Session	
9:30 - 12:30 pm	What is Gen AI and how did we reach here?	
1:00 - 2:00 pm	Lunch Break - Venue: VFAST	
2:00 - 3:30 pm	Gen AI for conversational/ interactive teaching	
3:30 - 3:45 pm	Tea Break	
3:45 - 5:15 pm	Gen AI for fast information retrieval/literature survey	
5:15 - 5:30 pm	Tea Break	
5:30 - 7:00 pm	Leveraging Gen AI using open source solutions	