Ramdeobaba University (RBU), Nagpur (M.S.) India
School of Computer Science and Engineering
Short-Term Training Program on
Generative AI: Tools, Techniques and Applications
Date: (2 - 6 December 2024)

https://rbunagpur.in/

Mode of Program: Online (All Session from Industry Experts)

About Program:

The Short-Term Training Program on Generative AI Tools, Techniques and Applications is a comprehensive learning initiative aimed at providing educators and researchers with advanced knowledge and hands-on experience in Generative AI and Prompt Engineering. The program covers both foundational and in-depth topics in generative models, ensuring participants gain practical skills and cutting-edge insights.

Objectives:

- Gain comprehensive understanding of Generative AI concepts, models and applications.
- Explore different Generative AI tools and techniques.
- Develop Prompt Engineering Skills.
- Understand Explainable & Conversational Artificial Intelligence (XAI)
- Design and Fine-tune LLM Applications

Outcome:

Upon successful completion of the program, participants will be able to:

- Gain proficiency in utilizing a variety of Generative AI tools.
- Apply Generative AI techniques across diverse domains and industries.
- Write effective prompts to maximize the capabilities of Generative AI models.
- Fine-tune Large Language Model (LLM) applications to suit specific needs and contexts.

Course Contents: *(Theory followed by Practical Session)*

- i) Introduction to Generative AI
- ii) Fundamentals of Generative Models
- iii) Prompt Engineering
- iv) Conversational Artificial Intelligence
- v) Explainable Artificial Intelligence
- vi) Variational Autoencoders (VAEs)
- vii) Generative Adversarial Network (GAN)
- viii) Generative AI applications using Langchain
- ix) Designing LLM Applications using RAG
- x) Fine-tuning Large Language Model
- xi) Responsible AI
- xii) Exploration of different Tools for Gen-AI
- xiii) Hands on Use Cases

Patron:

- Dr. Rajesh Pande, Hon. Vice Chancellor, RBU
- Dr. Manoj Chandak, Principal, RCOEM

Director & Dy. Director:

- Dr. Urmila Shrawankar, Director, CSE School
- Dr. Padma Adane, Dy. Director, CSE School

Head of Department:

- Dr. Preeti Voditel, HoD, CSE-ET Department
- Dr. Suresh Balpande, HoD, ITS Department

Coordinator:

- Dr. Urmila Shrawankar, Professor & Director
  School of Computer Science and Enginnering

Co-cordinators :

- Dr. Nisarg Gandhewar, Asst Professor, School of CSE
- Dr. Yogesh Thakare, Asst Professor, School of CSE

Ramdeobaba University:

About RBU:

Ramdeobaba University (RBU) Nagpur (MS), India is a self-financed University which was formerly known as RCOEM and was established in 1984. RBU Nagpur comprised of multiple Schools and five Center of Excellence.

About School of Computer Science and Engineering:

School of Computer Science and Engineering at RBU Nagpur (MS), India stands as a beacon of excellence in the field of CSE, IT, and Computer Science & Applications. Our School also encompass emerging disciplines such as AI, ML, Data Science, and Cyber Security, making us a leader in innovative education and research.

Resource Person:

All sessions will be conducted by resource persons from reputed **IT-industries**, focusing on both academic and research perspectives.

Registration:

Registration Link (*First Come First Serve*)

- Registration and payment link for all participants
  (**Except RBU/RCOEM students**):

  👉 https://rcoem.in/anon_evForm.htm?ev=215

- **For RBU/RCOEM students only**:
  👉 https://forms.gle/UQjiZRkgbDpcd6z98

Registration Details:

Industry Person	Rs. 1500/-
Academician/ Part time Ph.D. Research Scholar	Rs. 1000/-
Full time Ph.D. Research Scholar	Rs. 800/-
PG Students	Rs. 600/-
UG/Diploma Students	Rs. 500/-
Facutly (RCOEM/RBU)	Rs. 500/-
PG/UG Students (RCOEM/RBU)	Nil

Who can Attend:

All participants from engineering and science background can attend this program.

Important Dates:

Last Date for Registration: **26 November 2024.**

Certificate:

A test will be conducted at the end of the program, and certificates will be issued only to participants who have attended the program and successfully passed the test.

Team Members:

- Ms. Gunjan Keswani, Asst Professor, School of CSE
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- Ms. Neha Zade, Asst Professor, School of CSE
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Connect with us:

🌐 https://rbunagpur.in/Academics/SCSE/SchoolsInfo.aspx

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