About GHRCEMN -

G H Raisoni College of Engineering & Management, Nagpur (GHRCEMN) was established in the year 2008. It is an autonomous institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. It is recognized by All India Council for Technical Education (AICTE). It is accredited by NAAC with A+ grade with a score of 3.5 in 4-point scale and is a part of the Raisoni Group of Institutions (RGI). It has made its mark in the world of education enlightening minds and empowering ambitions.

AI Department -

The Department of Artificial Intelligence at G H Raisoni College of Engineering and Management, Nagpur was established in 2019 and has swiftly emerged as a beacon of excellence in the field. Department offers B. Tech. in Artificial Intelligence with a current intake of 180 students. We strive to nurture the brightest minds and prepare them for the dynamic landscape of AI technology.

Our state-of-the-art labs are well equipped with cutting-edge facilities, including a Center of Excellence in BOT Development, Blockchain Technology & AIML. Department has experienced faculty, each specialized in various domains of AI. We take immense pride in our placement record, with our graduates finding positions in some of the most reputed companies globally.

Curriculum is designed as per NEP guidelines. Skill Trainings, Workshops are organized by experts from industry to bridge the gap between industry & academics. Industry tour is also organized by department every year. Students get exposure to industry projects during six months internship. Department has signed MoU's with reputed companies.

Patrons

Shri Sunilji Raisoni
Shri Shreyas Raisoni

Honorary Chair

Dr. Vivek Kapur,
Director- GHRCEMN

Head of Department

Dr. Smita Nirkhi

Coordinator

Dr. Tabassum H Khan

Co-Coordinator

Prof. Kalyani Kadukar
Prof. Aditya Parate

Resource Person

Mr. Ameya Vaidya
Principal Architect,
DreamWorld Tech- Pune, India.

Target Audience -

- Faculties
- Researchers
- Post Graduation Students
- Research Scholars
- Industry
- Professional from R & D labs

GH raisoni COLLEGE | Engineering and Management Nagpur

An Autonomous Institute, Affiliated to RTMNU, Nagpur
NAAC Accredited "A+" Grade

DW DREAM WORLD

Department of Artificial Intelligence

Organize

Five Day National Level Faculty Development Program

on

Prompt Engineering & Responsible AI

In association with
DreamWorld Tech Pune
&
Technically Co-sponsored by
IEEE Maharashtra Section

IEEE | GHRCEMN Student Branch

Date - 6th to 10th October 2025
Time - 3:00 PM to 6:00 PM
Mode - Online



raisoni EDUCATION

Nagpur | Pune | Jalgaon | Amravati | Pandhurna | Bhandara

About the Programme -

This Faculty Development Program offers participants a valuable opportunity to enhance their expertise in some of the most cutting-edge areas of artificial intelligence. Faculty members gain hands-on experience with prompt engineering, which is essential for effectively interacting with advanced AI models. This technical knowledge empowers them to integrate the latest AI advancements into their teaching and research, ensuring that their academic programs remain current and competitive. Additionally, participants learn about practical AI tools and frameworks through interactive sessions, strengthening their ability to apply AI solutions in real-world contexts.

Beyond technical skills, the FDP emphasizes the importance of responsible AI practices, focusing on the ethical considerations and societal impacts of AI technology. Faculty members develop a deep understanding of issues such as bias, fairness, and transparency, which are critical for promoting ethical AI development and deployment. This awareness enables them to guide students and colleagues toward more conscientious use of AI, fostering a culture of responsible innovation within their institutions. Moreover, the program encourages critical thinking about the broader implications of AI on society, preparing participants to address challenges and opportunities in an increasingly AI-driven world.

Participation in the FDP also offers significant professional benefits, including opportunities for interdisciplinary collaboration and networking with peers from diverse academic backgrounds. Staying updated with the latest AI trends enhances faculty members' career prospects, opening doors to research grants, publications, and recognition in their fields. By adding this specialized training to their credentials, participants position themselves as leaders in AI education and research. Overall, the program equips faculty with the knowledge, skills, and ethical framework necessary to advance AI education responsibly and effectively in their institutions.

Content of FDP -

- Preamble on Generative AI.
- Evolution of AI From ML to Deep Learning to GenAI.
- LLMs, Diffusion Models, Transformers.
- Applications in Academia, Industry & Research.
- Popular LLMs (GPT, LLaMA, Claude, Gemini, Mistral).
- Text-to-Image, Text-to-Video, Text-to-Speech Tools.
- Cloud Platforms & APIs (AWS Bedrock, Azure OpenAI, Google Vertex AI).
- Open-Source Frameworks (Hugging Face, LangChain) & Basics of Prompting (Zero-shot, Few-shot, Chain-of-Thought)..
- Role of Context, Instructions & Constraints.
- Advanced Prompting: RAG s
- Hands-on: Crafting Effective Prompts for Teaching & Research.
- Fine-Tuning & Customizing Models.
- Using Embeddings & Vector Databases.
- Low-Code/No-Code AI Tools for Educators.
- Hands-on: Create a GenAI-powered Chatbot for a Subject.
- Case Studies: GenAI in Higher Education.
- AI Hallucinations & Bias in GenAI.
- Data Privacy & Copyright Concerns.
- Plagiarism & Academic Integrity.
- Ethical Guidelines & Policies in Academia.
- Multimodal AI (Text + Image + Audio + Video).
- Agentic AI & Autonomous Systems.
- Opportunities for Interdisciplinary Research.

Guidelines to participants -

- All participants must register via the registration link only.
- Eligible participants will be shortlisted and confirmation mail with link to join WhatsApp group will be mailed by the coordinator two days before the commencement of the FDP.
- On the Final day Test will be conducted and its mandatory for all participants to appear.
- Eligibility for the E-Certificate will be 100% attendance and 80% score in Test.
- All participants will get E-Certificate post successfully completing the FDP within five working days from the FDP conclusion.

Registration Details -

- Registration Fee: 300/-
- Registration is mandatory for attending the FDP. The participants are requested to register at link: **https://forms.gle/a7PkDdLuumBiuNjK6**

