About the FDP

The One-Week FDP on Intelligent Research Systems using AI aims to provide a comprehensive understanding of how to integrate AI into modern research processes to enhance quality, efficiency, and innovation. It familiarizes participants with the evolution of AI and its transformative impact across sectors like healthcare, finance, and academia. The program addresses key challenges, including bias, model interpretability, scalability, data privacy, and ethical concerns in AI systems. Participants explore emerging trends, including AI-driven automation, IoT integration, quantum computing, and explainable AI. By the end, participants gain both theoretical knowledge and practical skills to responsibly use AI for advancing research and solving real-world problems.

Objectives

- Understand the concept and working of an Intelligent Research Systems using AI and its role in supporting research activities such as literature review and data analysis.
- Use AI-based tools and techniques to improve research efficiency through automated data processing, document summarization, and knowledge discovery.
- Identify challenges in AI-assisted research systems, including data bias, reliability, privacy, and ethical considerations.
- Explore the applications of AI in research across various domains and integrate AI tools into their academic and research work.

Expected Outcome

- Understand the concept and working of an Intelligent Research Systems using AI and its role in supporting research activities such as literature review and data analysis.
- Use AI-based tools and techniques to improve research efficiency through automated data processing, document summarization, and knowledge discovery.
- Identify challenges in AI-assisted research systems, including data bias, reliability, privacy, and ethical considerations.
- Explore the applications of AI in research across various domains and integrate AI tools into their academic and research work.

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One -Week
Faculty Development Programme (Online)
On

Intelligent Research System Using Artificial Intelligence

(Duration: 20-24 April 2026)

IEEE
Student Branch RECB (STB11533)

Organized by

Department of Information Technology &
IEEE Student Branch
Rajkiya Engineering College Banda
Atarra, Banda, UP, 210201

About the Institute

Rajkiya Engineering College Banda (REC Banda), formerly known as Dr. Bhim Rao Ambedkar Engineering College of Information Technology, was established in 2010 by the Government of Uttar Pradesh with the aim of providing quality education in the field of engineering and technology. The institution was set up to cater to the growing demand for skilled engineers and professionals in various technical domains. The campus is equipped with modern amenities to provide a conducive environment for both academic and extracurricular activities. This development reflects the vision of the institution to provide a high standard of education, research, and innovation. The college offers numerous opportunities for students to explore and enhance their technical knowledge. Various technical events, workshops, seminars, and hackathons are regularly organized to provide practical exposure and encourage students to engage with current industry trends. These activities help students to develop problem-solving skills, foster innovation, and improve teamwork and leadership abilities.

Department of Information Technology

The Department of Information Technology (IT) at Rajkiya Engineering College Banda, offers a B.Tech in Information Technology program with an annual intake of sixty students. This program is designed to provide students with a comprehensive understanding of the field of Information Technology, blending technical knowledge with practical applications. The department believes that the best way for students to understand complex IT concepts is through hands-on experience, real-world applications, and problem-solving.

This practical approach is complemented by a well-equipped computer lab with the latest software tools and technologies, ensuring students are trained on industry-standard tools and platforms.

The B.Tech Information Technology program is accredited by the NBA (National Board of Accreditation) for 2 years (2022-2024), reflecting the department's commitment to quality education, continuous improvement, and outcome-based education aligned with industry and academic standards.

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Registration Form
for
One-Week
Faculty Development Programme
(Online)
On

Intelligent Research System Using Artificial Intelligence

Scan the QR Code to Register

Registration through the following link
Participants can register online using the following link on or before **15-04-2026**
Link: https://forms.gle/hN9tzK32xTkaPg9k6

Eligible Participants & Registration Fee
Faculty members/ research scholars/ PG & UG students from academic institutes approved by the AICTE/ UGC/ MHRD, and Scientists/Engineers working in Private/Public/Govt. organizations/industries, etc., can attend the course. Participation in this one-week online FDP is free of charge.