

QUARTERLY NEWS LETTER

IEEE STUDENT BRANCH REC BANDA

THE OFFICIAL NEWSLETTER



IEEE

Student Branch RECB (STB11533)

ABOUT IEEE STUDENT BRANCH

The IEEE Student Branch at Rajkiya Engineering College Banda stands as a dynamic platform dedicated to cultivating innovation, leadership, and technical excellence among students. Anchored in the mission of advancing technology for societal benefit, the branch actively fosters a culture of exploration and continuous learning beyond academic boundaries.



EVENTS BETWEEN APRIL 2025 TO JUNE 2025

Event 1: An Expert Talk on Importance of Vaastu on 19th April 2025

Event 2: A One Week Online Faculty Development Program (FDP) on Advanced AI Development and Research Challenges from 21th-25th April 2025

Event 3: PES day And Earth Day from 22th – 24th April ,2025

Event 4: Session on Engaging students with AI Industry Insights & Hackathon Opportunity on 29th April, 2025

Event 5: Graphic Designing Workshop from 10th-14th May ,2025

Event 6: Annual General Meeting on 17th May, 2025

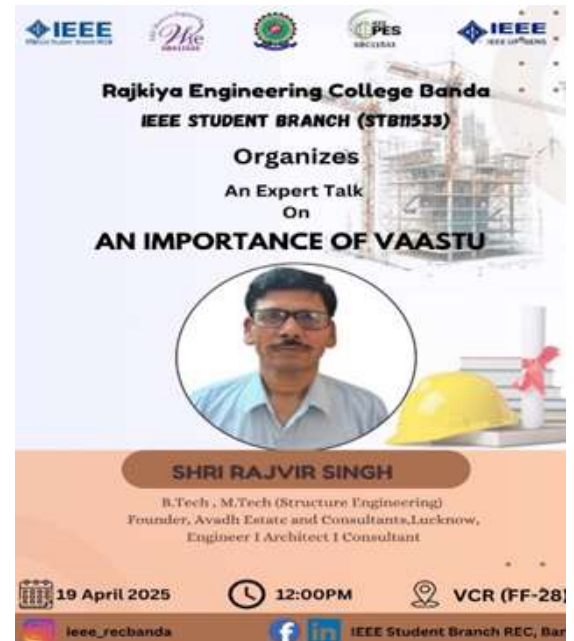
Event 7: World Environment Day On 5th June 2025

AN EXPERT TALK ON IMPORTANCE OF VAASTU ON 19TH APRIL, 2025

The IEEE Student Branch, Rajkiya Engineering College Banda, organized an Expert Talk on the Importance of Vaastu at the VCR Hall, REC Banda, at 12:00 noon. The session focused on the principles of Vaastu Shastra and its significance in maintaining harmony between the five fundamental elements—Earth, Water, Fire, Air, and Sky—to create balanced and positive living and working environments. The expert elaborated on how proper architectural planning, orientation, and design can help eliminate negative energies while attracting positive cosmic forces, thereby enhancing health, prosperity, happiness, and overall well-being.

Mr. Rajveer Singh emphasized the relevance of Vaastu in modern life, stating, “Vaastu Shastra is not merely a traditional belief system, but a scientific approach that aligns human structures with natural energies. When applied thoughtfully, it can significantly improve mental peace, productivity, and harmony in both personal and professional spaces.” His insights encouraged students to view Vaastu as a complementary discipline that integrates nature, science, and engineering principles.

The expert talk was highly informative and interactive, leaving participants with a deeper understanding of the holistic benefits of Vaastu in contemporary architectural practices.



दवावृत्त, वायु प्रवाह, वास्तविक, एवं मनोहार, शास्त्र शास्त्र की जानकारी
वास्तव, उमाकान्त, नेहा निगम, विद्या, सदस्य मौजूद रहे।

छात्रों को दी वास्तु शास्त्र की जानकारी



कार्यशाला में मौजूद निदेशक, शिक्षक व छात्रा सभ : कर्मि

संवाद न्यूज एजेंसी

अंतरा। राजकीय इंजीनियरिंग कालेज में आईआईटी छात्र शाखा द्वारा वास्तु के महत्व पर विशेषज्ञ व्याख्यान का आयोजन किया गया।

वक्ताओं ने छात्रों को वास्तु शास्त्र के वैज्ञानिक एवं व्यवहारिक पहलुओं से अवगत कराया।

अबम इस्टेट एंड कंसल्टेंट्स लखनऊ के संस्थापक राजवीर सिंह ने वास्तु शास्त्र को वैज्ञानिक

दृष्टिकोण से समझाते हुए घर की दिशा, वायु प्रवाह और मीटर की स्थिति जैसे विषयों की जानकारी छात्रों को दी। आईआईटी रुड़की के वैज्ञानिक विवेक कर्मकार ने भवन निर्माण की अंतरिक बनावट, ऊर्जा संग्रहण और दिशाओं के महत्व पर व्यावहारिक उदाहरणों के जरिए छात्रों को वास्तविक किया। अग्रोशन निदेशक प्रो एसवी शुक्ला ने आईआईटी फैकल्टी कोऑर्डिनेटर डॉ पुष्पेंद्र सिंह के मार्गदर्शन में हुआ।

A ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM (FDP) ON ADVANCED AI DEVELOPMENT AND RESEARCH CHALLENGES FROM 21-25TH APRIL, 2025

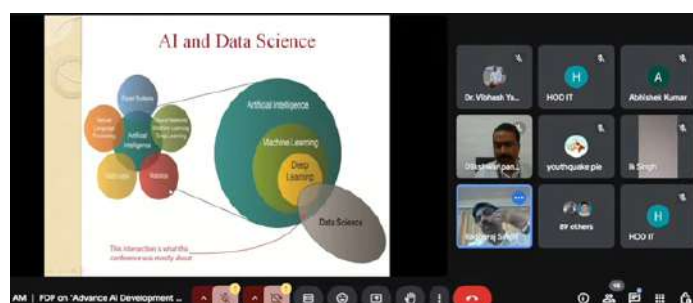
The Department of Information Technology (NBA Accredited), in association with the IEEE Student Branch of Rajkiya Engineering College Banda, successfully organized a One Week Online Faculty Development Program (FDP) on “Advanced AI Development and Research Challenges” with the objective of strengthening faculty competence in emerging artificial intelligence technologies and contemporary research practices. The program was designed to foster a deeper understanding of AI modernization while addressing the evolving demands of academia and industry in the field of artificial intelligence.

The FDP focused on advanced AI concepts such as Generative AI, deep learning architectures, modern AI tools, research methodologies, and ethical considerations in AI development. It aimed to equip faculty members with practical skills that could be effectively integrated into teaching, research, and innovation-driven academic activities. Through expert sessions and interactive discussions, participants were familiarized with current research challenges, publication strategies, and the responsible use of AI technologies in academic environments.

The sessions in the FDP were taken by the following experts - Prof. Raghuraj Singh (HBTU KANPUR), Prof. Sanjay Kumar Singh (IIT BHU), Prof. R. S. Yadav (MNNIT PRAGRAJ), Prof. Surya Prakash (IIT INDORE), Prof. Rakesh MMMUT, GORAKHPUR), Prof. Prabhat Verma (HBTU KANPUR), Prof. Debasis Das (IIT JODHPUR), and Prof. Satya MMMUT, GORAKHPUR). Their academic vision, encouragement, and active involvement played a vital role in ensuring the overall success of the program. The guidance provided by these distinguished professors helped create a strong academic platform for meaningful knowledge exchange and professional growth.

The FDP provided an excellent opportunity for faculty participants to engage with emerging AI trends, understand real-world research problems, and explore innovative approaches to teaching using AI-driven tools. Discussions on ethical AI, data privacy, and responsible research practices further enriched the learning experience, emphasizing the importance of integrity and inclusivity in technological advancements. The interactive format of the program encouraged active participation, idea sharing, and collaborative learning among faculty members from diverse academic backgrounds.

Conducted entirely in online mode, the one-week FDP witnessed enthusiastic participation and received positive feedback from attendees. The program not only enhanced the technical and research capabilities of the participants but also strengthened the culture of continuous learning and innovation within the institution. Overall, the FDP proved to be a significant step toward empowering faculty members with advanced AI knowledge, enabling them to contribute effectively to research, teaching excellence, and institutional development in the rapidly evolving field of artificial intelligence.



PES DAY AND EARTH DAY FROM 22 - 24 APRIL 2025

The IEEE Power and Energy Society, student Branch , Rajkiya Engineering College Banda, celebrated IEEE Power & Energy Society (PES) Day along with Earth Day from 22 to 24 April 2025. The event was organized in alignment with the PES Day 2025 theme, "Clean Energy, Smarter Grids, Better Lives," emphasizing the need for sustainable energy solutions and technological innovation to address global environmental challenges.

The celebration focused on promoting clean and renewable energy sources to reduce carbon footprints, advancing smart grid technologies to enhance energy efficiency and reliability, and highlighting the role of modern power systems in improving the overall quality of life. Through technical discussions and awareness activities, students were encouraged to explore innovative ideas and contribute toward a sustainable energy future.

Prof. Mohd. Rihan highlighted that clean energy and smart grids are essential pillars for achieving long-term energy security and environmental sustainability. He emphasized that students must actively engage in research and innovation to support India's transition toward greener energy systems.

Prof. Asheesh Kumar Singh stated that events like PES Day and Earth Day help bridge the gap between academic learning and real-world energy challenges. He encouraged students to adopt responsible energy practices and develop solutions that benefit both society and the environment.

The event was held at the VCR Hall, REC Banda, at 3:00 PM and witnessed enthusiastic participation from students and faculty members.

Rajkiya Engineering College Banda
IEEE STUDENT BRANCH (STB11533)
IEEE Power and Energy Society Student Branch
Chapter REC Banda
CELEBRATES
PES DAY and Earth Day
22 to 24 April 2025

Prof. Mohd Rihan
Director General
NESE, Gurugram
Expert Talk
online (22 April 2025)
03:00 PM

Prof. Asheesh Kumar Singh
Director General
NESE, Gurugram
Expert Talk
online (23 April 2025)
03:00 PM

★ Quiz competition
★ Panel Discussion
(24 April 2025)
VCR

ieee_recbanda

राजकीय इंजीनियरिंग कॉलेज बांदा में "माइक्रो ग्रिड: एक सतत ऊर्जा भविष्य की ओर" विषय पर विशेषज्ञ सत्र का आयोजन

सत्र की अध्यक्षता करने वाले विशेषज्ञ कुलपति श्री सिंह



सत्र के अध्यक्षता करने वाले विशेषज्ञ कुलपति श्री सिंह, जो राष्ट्रीय स्वच्छ ऊर्जा मिशन के अध्यक्ष हैं, ने सत्र को संबोधित किया। उन्होंने कहा कि माइक्रो ग्रिड एक सतत और स्वच्छ ऊर्जा स्रोत है, जो ग्रामीण क्षेत्रों में बिजली की आपूर्ति को सुनिश्चित करता है। उन्होंने कहा कि माइक्रो ग्रिड एक सतत और स्वच्छ ऊर्जा स्रोत है, जो ग्रामीण क्षेत्रों में बिजली की आपूर्ति को सुनिश्चित करता है।

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SESSION ON ENGAGING STUDENTS WITH AI INDUSTRY INSIGHTS & HACKATHON OPPORTUNITY ON 29TH APRIL 2025

A Special session on Engaging Students with AI Industry Insights and Hackathon Opportunity was organized by the Department of information technology (NBA Accredited) in collaboration with the IEEE Student Branch, Rajkiya Engineering College Banda. The session featured eminent industry experts who shared valuable perspectives on diverse domains of artificial intelligence and its real-world impact.

Mr. Swapnil Narlawar highlighted emerging trends in AI-driven innovation, emphasizing the importance of problem-solving skills and adaptability in the evolving tech ecosystem. Mr. Jaydeep Taralkar discussed the role of AI in software development and automation, encouraging students to strengthen their foundations in coding and algorithmic thinking.

Mr. Dilip Verma focused on AI applications in industry and startups, sharing insights on how AI solutions are transforming business operations and decision-making processes.

Ms. Heena Piratiyath addressed ethical AI and responsible innovation, stressing the need for transparency, fairness, and inclusivity in AI systems. Mr. Prasad Rao elaborated on AI's role in data analytics and machine learning, highlighting career opportunities in data-driven industries.

Ms. Charu Ratham Singh spoke about AI in interdisciplinary domains, motivating students to explore cross-functional applications. Mr. Nilesh Singh concluded with insights into hackathons and collaborative learning, encouraging students to participate actively in competitive platforms to gain hands-on experience.

The session proved to be highly informative and motivating, equipping students with industry-relevant knowledge and inspiring them to pursue innovation-driven careers in artificial intelligence.

Rajkiya Engineering College Banda
Organises
Session on
"Engaging Students with AI Industry
Insights & Hackathon Opportunity"

Date-29/04/2025 | Time-09:30a.m. | Venue-Computer Center

Speaker Dilip Verma Data/Machine Learning Engineer - Apple, Cupertino, CA	Speaker Heena Piratiyath, Engineering Program Manager - Google, Austin, TX	Speaker Prasad Rao, Senior Business Systems Analyst - Google, Mountain View, CA	Speaker Charu Rathnam Singh CloudWatch Agent	Speaker Nilesh Singh, Senior Manager Machine Learning - Comcast, Washington DC
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GRAPHIC DESIGNING WORKSHOP FROM 10-14TH MAY 2025

The IEEE Student Branch of Rajkiya Engineering College Banda, successfully organized a Graphic Designing Workshop from 10 to 14 May 2025. The workshop was designed to enhance students' creative and technical skills in the field of visual communication and digital design. The primary objective of the program was to develop a strong foundation in graphic design principles, including layout, color theory, typography, and visual storytelling, while also familiarizing participants with industry-standard design software.

Throughout the workshop, students were guided through the complete design process—from conceptualization and idea development to execution and presentation. Emphasis was placed on practical learning through hands-on activities, enabling participants to apply theoretical concepts to real-world design challenges. The workshop also focused on fostering creative problem-solving abilities and helping students build a professional portfolio that can support future academic and career opportunities.

The interactive sessions encouraged active participation and creativity, making the learning experience engaging and effective. The workshop was conducted at the VCR Hall, REC Banda, at 3:00 PM, and received enthusiastic participation from students.

Rajkiya Engineering College Banda
IEEE STUDENT BRANCH (STB11533)

ORGANIZES

“Graphic Designing Workshop”

Day-1
Introduction to Graphic Design & Design Principles

Day-2
Tools of the Trade: Getting started with Software

Day-3
Working with Typography and Color

Day-4
Layout, Design and Branding Basics

Day-5
Project Day & Portfolio Prep

By

Nikhil Kumar IT, Final Year

Rahul Gautam IT, Final Year

10-14 MAY 2025 **03:00PM** **VCR**



ANNUAL GENERAL MEETING ON 17TH MAY 2025

The IEEE Student Branch of Rajkiya Engineering College Banda successfully conducted its Annual General Meeting on 17 May 2025 with the aim of promoting innovation, collaboration, and professional development among students interested in engineering and emerging technologies. The meeting served as an important platform to review the activities carried out during the year and to outline future plans and initiatives of the student branch.

During the session, students were informed about ongoing projects, upcoming technical and professional events, and various opportunities available through the IEEE community at both national and international levels. The meeting encouraged active participation, allowing members to interact with one another, share innovative ideas, and discuss strategies for enhancing student involvement in IEEE activities. Emphasis was placed on teamwork, leadership development, and skill enhancement to support students' academic and professional growth.

The Annual General Meeting also strengthened the sense of unity and responsibility among members, motivating them to contribute actively to future programs and initiatives. The event was held at the VCR Hall, REC Banda, at 3:00 PM and witnessed enthusiastic participation from IEEE student member.



: WORLD ENVIRONMENT DAY ON 5TH JUNE, 2025

World Environment Day was celebrated on 5 June 2025 at Rajkiya Engineering College Banda by the Department of Applied Science and Humanities in collaboration with the IEEE Student Branch. The event focused on creating awareness about pressing environmental issues such as climate change, pollution, and the depletion of natural resources. It highlighted the need for collective responsibility in protecting the environment and promoting sustainable development.

The program emphasized the importance of adopting eco-friendly practices in daily life, including reducing waste, conserving energy, and supporting green technologies. Students were encouraged to actively participate in environmental conservation efforts and understand their role as responsible citizens in building a sustainable future. The celebration also underlined the significance of global cooperation and policy-level initiatives to address environmental challenges effectively.

By engaging students and fostering meaningful discussions, the event aimed to inspire long-term commitment toward environmental protection. It served as a reminder that small individual actions, when combined, can lead to significant positive change for the planet. The program was held at PC Ray Hall (TF-28), REC Banda, at 3:00 PM and successfully reinforced the message of environmental awareness and sustainability among the participants.

RAJKIYA ENGINEERING COLLEGE, BANDA
Department of Applied Science and Humanities
in collaboration with
IEEE Student Branch (STB11533)

**Celebrate the 52nd
WORLD ENVIRONMENT DAY**

**03:00PM
JUNE 5, 2025**

PC Ray Hall(TF-28)

**One Earth, One Chance
Protect Our Home**

**Dr. Shailendra Badal
(Coordinator)**
Environment Saviour Club



राजकीय इंजीनियरिंग कॉलेज में मनाया गया 52वां विश्व पर्यावरण दिवस



राजकीय इंजीनियरिंग कॉलेज में 52वां विश्व पर्यावरण दिवस का आयोजन किया गया। इस अवसर पर छात्रों और शिक्षकों ने मिलकर एक पेड़ बोया। इस कार्यक्रम का उद्देश्य पर्यावरण की रक्षा और जलवायु परिवर्तन से निपटारे में छात्रों की जागरूकता बढ़ाना है।

विश्व पर्यावरण दिवस का आयोजन 5 जून 2025 को राजकीय इंजीनियरिंग कॉलेज, बन्दा में किया गया। इस अवसर पर छात्रों और शिक्षकों ने मिलकर एक पेड़ बोया। इस कार्यक्रम का उद्देश्य पर्यावरण की रक्षा और जलवायु परिवर्तन से निपटारे में छात्रों की जागरूकता बढ़ाना है।

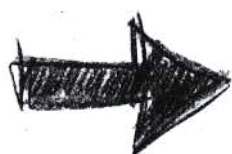
CLOSING NOTE

As we conclude this edition of the newsletter, we extend our heartfelt appreciation to all faculty members, students, and departments whose dedication and active participation continue to drive the growth and excellence of IEEE. The events, workshops, and initiatives highlighted in this issue reflect our collective commitment to innovation, learning, and community engagement. We look forward to many more milestones and achievements in the coming months.

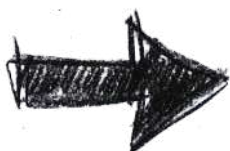
Thank You

Together, we remain inspired to create, collaborate, and contribute to a brighter and more dynamic academic environment.

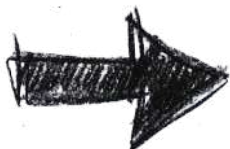
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