

7.2 ANY OTHER RELEVANT INFORMATION

BEST PRACTICE -1

In alignment with NEP 2020, Ajay Kumar Garg Engineering College (AKGEC) has undertaken several initiatives to bolster interdisciplinary R&I activities:

1. Research and Development (R&D) Cell:

AKGEC has established an R&D Cell that encompasses various specialized centers, such as the Software Incubator, Big Data Centre of Excellence, and Open Source Software Research and Development Center. These centers facilitate collaborative research across different disciplines, integrating fields like artificial intelligence, machine learning, and blockchain technology.

2. Center for Integrated Automation:

To promote industry-oriented learning, AKGEC has set up the Center for Integrated Automation in association with the Automation Industry Association. This initiative provides a platform for interdisciplinary research and innovation, bridging the gap between academia and industry.

These efforts reflect AKGEC's commitment to embracing the directives of NEP 2020, fostering an environment conducive to interdisciplinary research and innovation, and preparing students to contribute effectively to a rapidly evolving global landscape.

Ajay Kumar Garg Engineering College (AKGEC) in Ghaziabad has a dedicated Research and Development (R&D) Cell that fosters innovation and collaboration between academia and industry. The R&D Cell comprises several specialized centers and initiatives:

1. Software Incubator (SI): This center focuses on software development, including website and app development, artificial intelligence, machine learning, blockchain, and augmented reality/virtual reality. It provides students with hands-on experience in emerging technologies.

2. Big Data Centre of Excellence: Established in 2013, this center is the first of its kind in Dr. APJ Abdul Kalam Technical University (AKTU). It aims to develop skills in big data analytics, machine learning, deep learning, and artificial intelligence, preparing students for the evolving demands of the industry.


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3. Open Source Software Research and Development Center: Operating under the Computer Science & Engineering Department, this center promotes the use and development of open-source software. It offers training and involves students and faculty in customizing and developing open-source solutions.

4. Research and Industrial Consultancy Centre (RICC): RICC facilitates collaboration between industry and academia through joint projects and consulting assignments. It aims to develop a self-sustaining environment that aligns R&D activities with industry needs.

5. Cloud Computing Cell: This cell promotes research and projects in cloud computing and related technologies. It conducts various activities to enhance understanding and application of cloud computing among students and faculty.

These centers collectively contribute to AKGEC's mission of advancing technological education and research, providing students with opportunities to engage in cutting-edge projects and collaborations.

During the 2023-2024 academic session, Ajay Kumar Garg Engineering College (AKGEC) in Ghaziabad undertook several initiatives to bolster its Research and Development (R&D) endeavors:

1. Establishment of an Office at IIT Delhi's Research and Innovation Park:

AKGEC secured office space at the Research and Innovation Park of the Indian Institute of Technology (IIT) Delhi. This strategic move aims to foster collaborative research projects, facilitate knowledge exchange, and provide students and faculty with access to cutting-edge resources and expertise.

2. Hosting a Two-Day Exposure Visit in Collaboration with CBSE:

In partnership with the Central Board of Secondary Education (CBSE), AKGEC organized a two-day exposure visit on December 27th and 28th, 2024, for 22 CBSE teachers. The program aimed to enhance educators' understanding of emerging technologies and research methodologies, thereby contributing to the broader educational ecosystem.


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3. Participation and Success in Smart India Hackathon 2023:

Demonstrating its commitment to innovation, four teams from AKGEC, comprising 24 students, emerged as winners in the Smart India Hackathon 2023 (Software Edition). The event was held across various locations, including Kolkata, Raigarh, Guwahati, and Amravati, showcasing the students' problem-solving skills and technical prowess.

These initiatives reflect AKGEC's dedication to advancing research and development, fostering industry-academia collaborations, and promoting a culture of innovation among its students and faculty.

BEST PRACTICE-2

During the 2023-2024 academic session, students of Ajay Kumar Garg Engineering College (AKGEC) in Ghaziabad achieved notable success in extracurricular activities, particularly in sports and technical competitions:

1. AKTU Zonal Sports Fest 2023:

AKGEC students showcased exceptional talent at the Dr. A.P.J. Abdul Kalam Technical University (AKTU) Zonal Sports Fest 2023, securing a total of 26 medals:

- **Gold Medals:** 9
- **Silver Medals:** 8
- **Bronze Medals:** 9

This impressive performance highlights the college's commitment to promoting sports and physical fitness among its students.

2. Smart India Hackathon 2023:

Demonstrating their technical prowess, four teams from AKGEC, comprising 24 students, emerged as winners in the Smart India Hackathon 2023 (Software Edition). The event took place across various locations, including Kolkata, Raigarh, Guwahati, and Amravati, underscoring the students' innovative capabilities.


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3. Anveshna 2023:

In Anveshna 2023, AKGEC presented 35 projects, with 15 selected for the final round. Notably, the projects "Visual Acuity Test," "Fitgo," and "E-drishti" secured 1st, 3rd, and 5th prizes, respectively, with a total cash prize of ₹60,000. These projects demonstrated innovative solutions with potential sustainability applications.

These achievements reflect AKGEC's dedication to fostering a holistic educational environment that encourages excellence in both extracurricular and technical domains.


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