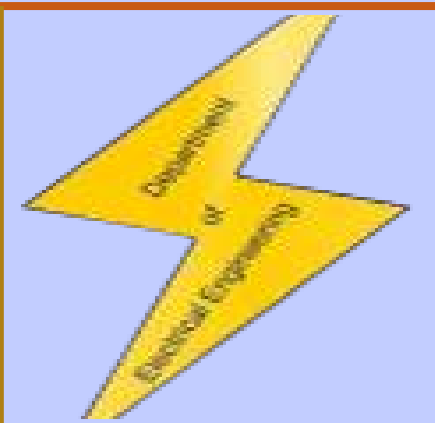




Government Polytechnic Lakhisarai

Department of Electrical Engineering

SPARK



Newsletter volume 1 JAN-JUNE 26



vision

TO BE A STRONG
INFLUENCE IN
PREPARING THE NEXT
GENERATION OF
ELECTRICAL
PROFESSIONALS AND
TO IMPROVE THE
ABILITY OF STUDENTS
TO ACTIVELY
PARTICIPATE IN THE
WELL BEING OF
SOCIETY.

Mission

M1- TO PROVIDE A
HIGH QUALITY AND
PRACTICAL EDUCATION
THAT EQUIPS
STUDENTS WITH THE
ESSENTIAL SKILLS AND
KNOWLEDGE FOR
SUCCESS IN FIELD OF
ELECTRICAL
ENGINEERING.
M2- COMMITTED TO
CREATE A FRIENDLY
PLACE FOR LEARNING ,
ENCOURAGE NEW AND
CREATIVE IDEAS.
M3-- TO GET STUDENTS
READY TO HANDLE
THE CHANGES AND
CHALLENGES IN THE
ELECTRICAL
ENGINEERING FIELD.

It gives me immense pleasure to launch this edition of the newsletter SPARK from the Department of Electrical Engineering at Government Polytechnic, Lakhisarai. A departmental newsletter is not just a collection of articles; it is a vibrant reflection of the academic excellence, creative talents, and technical milestones achieved by our students and faculty. The field of Electrical Engineering is the driving force behind global modernization, industrial growth, and the ongoing renewable energy revolution. At Government Polytechnic, Lakhisarai, our mission is to equip our students with robust technical competencies and practical problem-solving skills that align with these fast-evolving global industries. Through a blend of rigorous academics, well-equipped laboratory training, and active industry interaction, we ensure our young engineers are prepared to lead and innovate. I extend my heartfelt congratulations to the Head of the Department, the dedicated faculty members, and the enthusiastic editorial team for their tireless efforts in bringing this newsletter to fruition. To our students, I encourage you to keep pushing your boundaries, embrace curiosity, and strive for excellence in all your professional endeavors.

Happy reading!

Principal

Government polytechnic lakhisarai

FROM THE DESK OF EDITORS

It gives me immense pleasure and pride to present the latest edition of the Electrical Engineering Department Newsletter, Government Polytechnic Lakhisarai. This newsletter captures the academic achievements, technical activities, innovative projects, and vibrant events of our department during the academic session. Our students have actively participated in workshops, seminars, projects, industrial visits, skill-development programmes, sports, and cultural activities, reflecting their enthusiasm and dedication. The newsletter provides a platform to celebrate these accomplishments and highlight the collective efforts of our students and faculty. I sincerely thank our respected Principal, Head of the Department, faculty members, technical and administrative staff, and students for their valuable support and contributions. I hope this edition inspires our students to pursue excellence, strengthen their technical skills, and contribute meaningfully to society.

Warm Regards,

Neha Kumari

Editor

Department of Electrical Engineering

Government Polytechnic Lakhisarai



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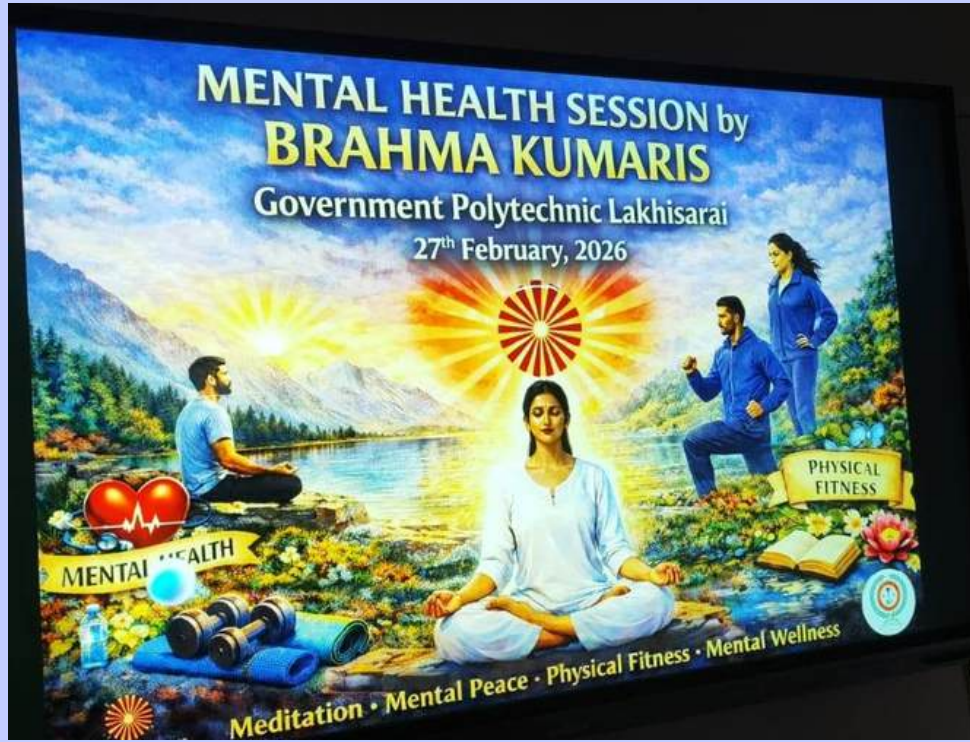
UMANG-2026 – Student & Faculty Sports Programme



UMANG-2026 was celebrated at Government Polytechnic Lakhisarai with great enthusiasm and sporting spirit. The Student Sports Programme was organized from 16 to 20 January 2026, providing students with an opportunity to showcase their talent, teamwork, and competitive spirit. Various sports and recreational activities were conducted, encouraging students to stay active and develop discipline, coordination, leadership, and sportsmanship. Students participated enthusiastically and created a vibrant atmosphere across the campus. Following the student events, the Faculty Sports Programme was organized from 20 to 21 January 2026. Faculty and staff members actively participated in various sporting and recreational activities, making the event enjoyable and memorable. The programme provided a refreshing break from routine academic responsibilities and strengthened camaraderie among colleagues. UMANG-2026 successfully brought students, faculty, and staff together through the spirit of sports and healthy competition. Overall, the celebration promoted fitness, teamwork, unity, and a positive campus environment, creating cherished memories for the entire GPL family.



Mental Health Awareness and Digital Detox Session



A special session on “Mental Health Awareness and Digital Detox” was organized at Government Polytechnic Lakhisarai on 27 February 2026 at 10:30 AM under the initiative “Nayee Ummid: A Better Tomorrow.” The programme was conducted in accordance with the relevant guidelines and aimed to promote mental well-being among students, faculty members, and staff. The session was led by Brahma Kumaris trainers B.K. Jaishree and B.K. Priyanka and commenced with the ceremonial lighting of the lamp by the Principal, Mental Health Nodal Officer Ms. Sakshi Sinha, and the trainers. The Principal emphasized that maintaining mental balance is essential in today’s competitive environment and that a healthy mind is the foundation of success. B.K. Jaishree explained that mental health involves positive thinking, self-acceptance, emotional balance, and effective self-care, and encouraged students to recognize and express their emotions. The importance of gratitude was also highlighted, with students encouraged to note at least three things they are grateful for each day. A guided meditation session was conducted to promote relaxation, mental peace, and concentration. An interactive question-and-answer session addressed concerns related to examination stress, social media addiction, lack of confidence, and time management. The session concluded with a vote of thanks by Ms. Sakshi Sinha, who emphasized the importance of such initiatives for the holistic development of students. The programme witnessed active participation from students, faculty members, and staff and provided valuable practical guidance for maintaining a healthy and balanced lifestyle.

Fire Fighter Robot – Samriddhi Yatra 2026



The Electrical Engineering Department of Government Polytechnic Lakhisarai proudly showcased its innovative Fire Fighter Robot during the Samriddhi Yatra held on 19 March 2026 at Kajra. The robot is designed to detect and extinguish fires from a safe distance, making it particularly useful in hazardous fire-fighting situations. The project demonstrates the practical application of electrical and technological concepts to address real-world safety challenges. The innovative model was presented in the presence of the Hon’ble Chief Minister of Bihar and other distinguished guests. The demonstration highlighted the technical skills, creativity, teamwork, and innovative spirit of the students and faculty members. The project also reflected the department’s commitment to promoting hands-on learning, innovation, and problem-solving among students. The initiative received appreciation and recognition from the visitors and dignitaries. Such projects encourage students to develop technology-driven solutions for society. The successful presentation was a proud moment for Government Polytechnic Lakhisarai and its Electrical Engineering Department.

Industrial Visit



An Industrial Visit was organized on 28 April 2026 to provide students with valuable practical exposure to the industrial working environment. During the visit, students observed various industrial processes, equipment, machinery, safety practices, and workplace operations. The visit helped students understand how theoretical concepts learned in the classroom are applied in real-world industrial settings. Students also gained insights into professional practices, technical skills, workplace discipline, and industrial safety standards. Interaction with industry professionals provided students with valuable knowledge about career opportunities and the skills required in the industry. The experience encouraged students to develop a practical and industry-oriented approach to learning. It also helped bridge the gap between academic knowledge and industrial requirements. Students actively participated in the visit and showed great enthusiasm and curiosity. Overall, the industrial visit proved to be an enriching and informative learning experience, contributing to the technical and professional development of the students.

Rooftop Solar Plant Visit



A Rooftop Solar Plant Visit was organized at Government Polytechnic Lakhisarai on 26 April 2026 to provide students with practical exposure to Solar Photovoltaic (PV) technology. During the visit, students observed the major components and working principles of a rooftop solar power system. They gained practical knowledge about solar panels, energy conversion, electrical connections, and power generation. The visit helped students understand the practical applications of renewable energy technologies. It also highlighted the importance of energy conservation, clean energy, and sustainable power generation. Students learned how rooftop solar systems can contribute to reducing dependence on conventional energy sources. The activity provided an opportunity to connect classroom concepts with real-world applications. Students actively participated in the visit and showed keen interest in understanding the functioning of the solar plant. The programme encouraged students to explore innovative and sustainable solutions in the field of electrical engineering. Overall, the visit was an informative and enriching learning experience, strengthening students' practical understanding of renewable energy systems.

Parent-Teacher Meeting



A Parent-Teacher Meeting was organized at Government Polytechnic Lakhisarai on 20 April 2026 to strengthen communication between parents, teachers, and students. The meeting focused on students' academic performance, attendance, discipline, and overall development. Faculty members shared feedback and discussed areas for improvement with parents. Parents actively participated and shared valuable suggestions for students' progress. The interaction strengthened the partnership between parents and the institution and emphasized the importance of regular academic support. The meeting concluded with a shared commitment to student success and holistic development.