



JULY 25 TO DEC 25

GOVERNMENT POLYTECHNIC LAKHISARAI

Department of Mechanical Engineering



PRINCIPAL'S MESSAGE

"It gives me immense pleasure to witness the release of Volume 06 of MechXtreme, the biannual newsletter of the Department of Mechanical Engineering, covering the period from July 2025 to December 2025.

The field of Mechanical Engineering is currently undergoing a massive transformation. We are moving beyond traditional thermodynamics and fluid mechanics into the realms of Industry 5.0, sustainable energy systems, and AI-integrated manufacturing. This newsletter serves as a vital mirror, reflecting how our students and faculty are not just keeping pace with these changes but leading them through innovation and research.

Highlights of this Semester:

Innovation & Research: Our commitment to pushing the boundaries of design and fabrication.

Skill Development: The successful integration of hands-on workshops and industry-standard software training.

Holistic Growth: Celebrating the technical and extracurricular achievements that define our vibrant campus life.

I congratulate the Editorial Board, the Head of the Department, and the students for their dedicated efforts in curating this edition. I am confident that MechXtreme will continue to inspire our budding engineers to strive for excellence and contribute meaningfully to the global engineering landscape."

**Best Wishes,
Dr. R. K. Ranjan**

EDITORIAL TEAM

Editor: Anuj Kumar,
Lecturer, Mechanical
Engineering

Co-Editor: Sakshi Sinha,
Lecturer, Mechanical
Engineering

Editorial Support:
Faculty Members,
Department of
Mechanical Engineering

MechXtreme

From Editors Desk

"It is with great pride and a sense of accomplishment that we present Volume 06 of MechXtreme. As we wrap up the period from July 2025 to December 2025, this edition stands as a testament to the resilience, creativity, and technical prowess of the Department of Mechanical Engineering.

A newsletter is more than just a collection of reports; it is a chronicle of progress. Over the last six months, our department has buzzed with activity—from the clanging of the workshops to the quiet intensity of the design labs. In these pages, we have captured the essence of that energy.

I would like to extend my deepest gratitude to our Principal, Dr. R. K. Ranjan, for his unwavering support, and to my dedicated editorial team who worked tirelessly behind the scenes to polish every word and layout.

To our readers: We hope this volume inspires you to look at the "mechanical" world through a lens of innovation. Your feedback is what keeps us evolving.

Happy Reading!"

"The newspaper is the first rough draft of history." – Philip Graham

Vision of the department

To be known as per premier department of Mechanical Engineering in technical education and application of knowledge & skills to the benefit of the society.

Mission of the department

- 1.To develop state-of-the-art teaching learning facilities to interpret, apply, disseminate and create knowledge.
- 2.To be dynamic, innovative and flexible in devising programs, structures and mechanisms to cope with the changes.
- 3.To equip the students with academic, corporate and entrepreneurial leadership, communication skills and global awareness required by the engineering profession and society in general.
- 4.To establish an environment that encourages and builds an exemplary degree of citizenship, professional integrity with ethical behavior.

			DEPARTMENT OF MECHANICAL ENGINEERING					
			SRI SURAJ KUMAR ME			HOD (Mech. Engg.)		
			SRI ANUJ KUMAR B.Tech			LECTURER (Mech. Engg.)		
			MISS SAKSHI SINHA M.Tech			LECTURER (Mech. Engg.)		
			SRI AMIT RANJAN M.Tech			LECTURER (Mech. Engg.)		
			SRI SUBHASH KUMAR B.Tech			LECTURER (Mech. Engg.)		
			SMT.SIMRAN BHARATI B.Tech			LECTURER (Mech. Engg.)		

First Year Induction Programme

Diploma Batch 2025 - 28

Date: 28th August to 04th September 2025

Faculty Development Programme on Life Skill Development

Placement at a Glance in Public/Govt. Sector

Sr No.	Name of Students	Roll No.	Remarks
1	Gauri Kumari	15/M/26	ITI Buxer- Level 6
2	Rajesh Kumar	15/M/23	ITI Instructor- Level 6
3	Digvijay	19/M/10	Scientific Assistant -B, INSTITUTE FOR PLASMA RESEARCH,GANDHINAGAR, GUJARAT- Level 6
4	Nayan kumar	20/M/18	Junior Engineer, Level-6
5	Gautam Kumar	19/M/06	BSF, SUB INSPECTOR IN BSF, Level-6
6	VIKRAM KUMAR	20/M/15	DRDO CEPTAM-10, SENIOR TECHNICAL ASSISTANT-B
7	DEVANAND CHOUDHARY	20/M/22	ITI Instructor- Level 6

DATE	PARTICULARS
28.08.2025	Virtual Inauguration & Session on Academic Regulations Mental Health by Dr Amrita Shruti
29.08.2025	Department Induction Programme
30.08.2025	CISCO, KYP, SPOKEN TUTORIALS Registration and practices Worksop by DRCC, Lakhisarai
01.09.2025	
02.09.2025	Solve Problems and Create Solutions: Opportunity Canvas
	Soft Skills session
	Lecturer on Cyber Crime- Smt Prachi Gupta
03.09.2025	Online Workshop on ROBOTICS Health Awareness Programme by Team of Doctors from District Health Dept.
04.09.2025	TECHNOVA Campus Tour

Student's Testimony

"The Foundation of My Career..."

Joining Government Polytechnic Lakhisarai in 2018 was a turning point for me. As a Mechanical Engineering student, the department became my second home. Those three years were a rigorous blend of academic discipline and practical exposure that prepared me for the realities of the industry.

Memories of the Workshop & Faculty

I still vividly remember my time in the Machine Shop. There was a specific satisfaction in achieving the perfect finish on a job using the lathe—a task that required both patience and precision.

I would like to express my deepest gratitude to our Faculty Members. Their approach to teaching wasn't just about finishing the syllabus; they focused on building our conceptual clarity. Whether it was complex Thermodynamics or the intricacies of Machine Design, they were always available to guide us, ensuring we didn't just become "graduates," but "engineers."

Navigating the 2018-21 Session

Our batch witnessed a significant shift in learning styles, but the support from the Mechanical Department remained constant. The technical seminars and the hands-on lab sessions provided us with a competitive edge that I still find useful in my professional life today.

"GP Lakhisarai didn't just teach me how to read blueprints; it taught me how to build a future from them."

—Angad Kumar 2018-21

Photo Gallery



डॉ पंकज एवं श्री रितेश कुमार जी का विदाई समारोह



मेधा प्रोत्साहन पुरस्कार समारोह-2025

Workshop Report: Awareness on SHE-Box Portal and POSH Act

Date: December 20, 2025

Overview

A one-day workshop was organized to discuss the SHE-Box Portal and its implementation. The session aimed to sensitize staff members regarding workplace safety and the legal frameworks available for protection.

Key Highlights

The workshop featured insights from prominent guest speakers who shared their expertise on the POSH Act (2013) —The Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act:

- Mrs. Poonam Kumari (Centre Administrator, Sakhi One Stop Centre, Lakhisarai): Provided a detailed breakdown of the legal protections and the support systems available for women.

- Mr. Prashant Kumar (District Mission Coordinator, Lakhisarai): Discussed the operational aspects of the SHE-Box Portal and the importance of timely reporting and institutional compliance.

Conclusion

The speakers engaged with the colleagues of the institute, clarifying the procedures for filing complaints and the role of the Internal Complaints Committee (ICC). The session concluded with a commitment to maintaining a safe and respectful working environment for everyone.



जमुई 02-08-2025

कार्यक्रम • राजकीय पॉलिटेक्निक कॉलेज में पांच दिवसीय कार्यशाला का आयोजन बाल विवाह के खिलाफ छात्रों ने शपथ ली

संवादकर्ता/राजकीय

सुझावर को राजकीय पॉलिटेक्निक कॉलेज लखीसराय के प्रांगण में पांच दिवसीय परिषद कार्यक्रम के दौरान शिव बाबू सार्वजनिक के सार्वजनिक रूप से। उन्होंने शिक्षण विभाग के वरिष्ठ प्राध्यापक पुनम कुमारी, शिक्षण विभाग सहायक प्राध्यापक कुमारी एवं संस्थान के प्राचार्य अजय, रंजन ने संयुक्त रूप से किया। इस अवसर पर वन स्टॉप सेंटर की प्राध्यापक पुनम कुमारी ने छात्र-छात्रों को कार्यक्रम पर पौराणिक, वैधानिक, धार्मिक, आचार्य की अनुमति, शिक्षण के अधिकार में बाध और बाध विवाद जैसे राजकीय कुटुंबों के प्रति सचेत किया। उन्होंने इन समस्याओं के प्रति जागरूक और सक्षम रहने की आवश्यकता पर बात किया।



बाल विवाह और लैंगिक भेदभाव के खिलाफ शपथ लेते छात्र-छात्रा।

अनुसूचित पर बात किया। प्राचार्य अजय, रंजन ने छात्रों से महिला छात्रों को भी बुनियादी, उद्योग और इसके अर्थ तक के प्रश्नों की विस्तृत जानकारी दी। कार्यक्रम के अंत में उद्योग छात्र-छात्रों ने कन्या भूत हत्या न करने और बाल विवाह को रोकने का संकल्प लिया। कन्या श्रृंखला बचकर अक्षित, शिवन आदि थे।

लखीसराय बाल विवाह के मामलों में प्रथम स्थान पर

हम के शिक्षण विभाग सहायक प्राध्यापक कुमारी ने शिक्षण विभाग और मुख्यालय में नए शिक्षण योजना की जानकारी सारा की। उन्होंने बताया कि लखीसराय शिक्षण विभाग के मामलों में प्रथम स्थान पर है, जो शिक्षण का विषय है।

कार्यक्रम में लैंगिक विरोध विभाग कुमारी ने पारिवारिक और सामाजिक स्तर पर होने वाले लैंगिक भेदभाव और इससे बचने के तरीकों पर बात की। विरोध सार्वजनिक विवाद अक्षित कुमारी ने सभी को भेदभाव पीछे छोड़ना और बेटी की सुरक्षा हेतु शपथ दिलाई।



राष्ट्रीय कृषि मुक्ति दिवस- 16.09.2025

Parent-Teacher Meet (22-23 Nov. 2025)

The two-day Teacher-Parent Dialogue witnessed an overwhelming response. The proactive participation of the parents today sends a powerful message that they are deeply committed and vigilant regarding their wards' future



'आत्मनिर्भर' भारत के तहत "Vocal for Local"

दिनांक 26.09.2025 को 'आत्मनिर्भर' भारत के तहत "Vocal for Local" विषय पर क्विज/निबंध प्रतियोगिता-सह-जागरूकता शिविर का आयोजन सम्पन्न हुआ। पर्यवेक्षक के रूम में जिला उद्योग केंद्र, लखीसराय के पदाधिकारी उपस्थित रहे।



Workshop on Credit Card

दिनांक-19.09.2025 को पूर्वाह्न 12:00 बजे स्पंदन सभागार में जिलानिबंधन कार्यालय, लखीसराय के पदाधिकारियों के द्वारा प्रथम वर्ष के छात्र/छात्राओं को बिहार सरकार द्वारा संचालित विभिन्न परियोजनाओं, विशेष कर क्रेडिट कार्ड के बारे में समुचित जानकारी दी गई।



SVEEEP Cell Activity

SVEEEP Cell, लखीसराय के तत्त्वाधान में आज दिनांक 14.10.2025 को राजकीय पॉलिटेक्निक, लखीसराय के छात्र/छात्राओं द्वारा नुक्कड़ नाटक का सफल मंचन किया गया। बिहार विधान सभा चुनाव-2025 में वोट का अधिकार का उपयोग करने हेतु संस्थान के छात्र/छात्राओं द्वारा मतदाता को जागरूक करने का एक सफल प्रयास किया गया। यह कार्यक्रम जिला प्रशासन द्वारा आयोजित किया गया।



Campus Ambassador - cum - Lecturer
श्री अनुज कुमार (यांत्रिकी अभियंत्रण)
acknowledged by DM Lakhisarai



विश्वनिर्माता श्री विश्वकर्मा भगवान पूजा

