

OCTOBER 2024 VOL 4 ISSUE 4

## KVIT RAIPUR

The official newsletter of Krishna Vikash HEI Raipur



### VISION

TO CONTRIBUTE TO THE PROGRESS OF THE STATE, NATION AND HUMANITY AS A WHOLE PROVIDING EDUCATION THROUGH RESEARCH AND INNOVATION TO THE FUTURE CITIZENS AND CREATING A NEW ORDER OF PEACE AND PROSPERITY.

### **MISSION**

TO PAVE A PATH FOR THE STUDENTS TO TREAD CONFIDENTLY, GAINING KNOWLEDGE AND SKILLS THROUGH THAT THEY MAY USE TO TAKE THE NATION TO THE PINNACLES OF SUCCESS.

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## MEET THE TEAM

### **EDITORIAL DESK**

Dear Readers,

At Krishna's Vikash Institute of Technology, we offer a transformative journey where academic excellence meets

holistic development. Our commitment to revolutionizing engineering education is evident in our students' impressive academic performance and their engagement in various competitions, from coding to sports and robotics. Our esteemed faculty provides rigorous coursework and innovative research opportunities, preparing students for the challenges of a rapidly evolving technological landscape. Their achievements reflect not only technical skills but also the ability to apply classroom knowledge to real-world scenarios.

As we celebrate these accomplishments, we extend our gratitude to everyone who contributes to this journey. Together, we pursue engineering excellence for a brighter future.

WARM REGARDS,
MRS. PALLVEE BHAIRAM,
ASSISTANT PROFESSOR OF CSE DEPARTMENT,
KRISHNA'S VIKASH INSTITUTE OF TECHNOLOGY, RAIPUR



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CSE 5TH SEM
EDITOR





Dear Teaching and Non-Teaching Staff Members, and My Dear Students,

As we celebrate the joyous festival of Deepawali, let us embrace the light of wisdom, kindness, and unity that this occasion brings. Deepawali reminds us that no matter how deep the darkness, the smallest light can dispel it. In the same way, each of us, with dedication, passion, and hard work, has the power to illuminate the lives of others and our community. let us work in harmony, supporting one another to achieve new heights of success.

Wishing you all a Very Happy and Prosperous Deepawali. May the festival of lights fill your lives with joy, peace, and prosperity.

Dr. D. N. Dewangan Principal, KVIT



# SWACHHATA HI SEVA 2024

KVIT, Raipur observed Swachhata Hi Seva (SHS) 2024 from September 14 to October 1. The program, themed "Swabhav Swachchhata-Sanskar Swachchhata," culminated on October 1 with a pledge ceremony, where students, faculty members, and staff took a collective oath to uphold cleanliness and civic responsibility. Throughout the 18-day initiative, participants engaged in diverse activities such as Nukkad Natak, slogan and essay writing competitions, a cleanliness rally, rangoli, and "Best Out of Waste" drive. These events fostered teamwork, creativity, and environmental awareness, reinforcing KVIT's commitment to community service and sustainable living













# MUSEUM VISIT

KVIT 1st semester students visited Mahant Ghasidas Museum and Garkalewa on 3rd October 2024, exploring Chhattisgarh's rich cultural heritage and historical significance. At the museum, they discovered ancient temple architecture, traditional clothing, and rare coins. The trip culminated with a delightful traditional Chhattisgarhi cuisine experience, featuring local delicacies like Chila, Farra, and Dubki at Garhkalwa. Students praised the visit, citing a deeper understanding of Chhattisgarh's culture and history, and the traditional food as a highlight.

























# I EDITION GREEN SUMMIT

KVIT 1st semester students participated in the 1st Edition Green Summit at Pt. Dindayal Upadhyay Auditorium on 3rd October 2024. Approximately 24 first-year students registered for the program, engaging with experts and enthusiasts on sustainable practices and environmental conservation. The summit provided valuable insights into climate change, sustainable solutions, and collaborative initiatives, inspiring students to contribute to a greener future. Students praised the event, citing newfound enthusiasm for environmental conservation.









## **ECS ACTIVITY**



The Infinity Coder Club of KVIT Raipur organized an event titled "LOGIFEST" with a focus on enhancing logical thinking, technological awareness, and decision-making skills. The event brought together students and tech enthusiasts to participate in fun and knowledge-driven activities aimed at fostering innovation and learning.





The "Rangoli Competition" under the theme swachh Bharat Abhiyan (clean India) took place on 01 october 2024 at KVIT building. This is the way to clean the country's street, road and infrastructure





## **ENTREPRENEURSHIP AWARENESS DRIVE**

On October 9, 2024, an inspiring Entrepreneurship Awareness Drive took place at Krishna's Vikash Institute of Technology in Raipur, organized in collaboration with the Entrepreneurship Cell of IIT Kharagpur. This event was designed to engage young minds and encourage them to explore entrepreneurial opportunities. Esteemed speakers, including R. Dinesh, Executive Chairman of TVS Supply Chain Solutions, and Parmindar Sahni, Co-founder of Vsnapu, shared their valuable insights and experiences with the students. They also conducted one-on-one sessions to address individual queries, fostering an interactive environment for learning and growth.

Dr. Jawahar Suri Shetty, Executive Director, facilitated both speakers with a token of appreciation in the form of a book and expressed gratitude to the audience for their participation. The event was well-attended by principals and faculty members, who also benefited from the discussions, creating a vibrant atmosphere of knowledge exchange

and motivation for future entrepreneurs.









# GARBA & FUNFAIR

KVIT Raipur celebrated a vibrant Garba and funfair on 10/10/24, marking the festive spirit of Navratri. The event brought together students, faculty, and staff from KVIT, KDRCST, and RCPSR for music, dance, and merriment. With energetic Garba performances, traditional Dandiya Raas and delicious food stalls, the celebration was a resounding success. The institute's campus was transformed into a colorful and lively hub, reflecting the joy and unity of the festive season



# INUGRATION OF CRICKET GROUND

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## IPR WORKSHOP



The Central Research and Innovation Cell at Krishna Vikash, Raipur, recently organized a two-day training (16-17 october) workshop aimed at enhancing knowledge on patent and copyright drafting. The event saw enthusiastic participation from students and faculty members, all keen to deepen their understanding of intellectual property rights. This initiative was designed to equip participants with the tools to protect their innovations and creative works through proper legal frameworks.

The program featured expert speakers Mr. Dhruv Brahmbhatt, Managing Director, and Ms. Pooja Menon, COO, from Mycrave Consultancy, Vadodara. They shared valuable insights into the intricacies of patent and copyright drafting, emphasizing their practical importance in today's innovation-driven world. Their sessions provided a comprehensive overview of intellectual property laws, helping attendees grasp the importance of safeguarding their creative and intellectual contributions.



# CSVTU INTER COLLEGE \*\* VOLLEY BALL COMPETITION

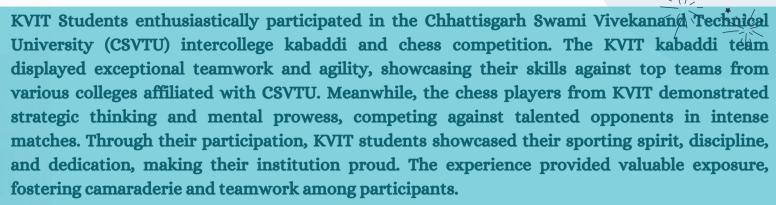
The "Inter College Volleyball Tournament 2024-25" (Girls & Boys) took place on 19/10/2024 at College Campus KVIT, Raipur ,This is an excellent chance to display your Sports skills. This event was organized by KVIT, Raipur under the CSVTU Sports activities .The office bearers were enthusiastic and very keen to manage the event. They put a lot of effort to pool in talented players from various streams of college l of Management.







# CSVTU SPORTS EVENT















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#### ORIGINAL RESEARCH ARTICL

Fault Diagnosis of Rolling Element Bearing with Operationally Developed Defects Using Various Convolutional Neural Networks

Devendra Salta - Ritosk Kumar Dewangan - Surendra Pal Singh Matharu

Subsected, 22 Assessy 2004 is arrived time: 5 March 2004 Aurogent, 12 March 2004

Abstract Rolling eliment bearings are critical building blocks of any outsign mediane. Achieving effective and precise paid diagnosis through various neared network models plays a protest date in causing the accuracy of rolling relatives bearing fash diagnosis. This restauch pages approximate comparative study of artificial neural outwork (ANN), 1.0 CNN, malis inquit 1.0 CNN, and 2.0 CNN is that diagnosis of offining eliment bearing. The experience was combucted on a rolline braining size tig-out 2000 beams of operating and observed on the development of superally occurring operational network architecture at all and military districts on the borring compensent. The proposal neural network architecture attliant smallpide parallel consoliumal. Experience that furnishes a superal consistent of the control o

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Published ordine: 22 April 265

multi-input 1-D CNN model provides better accoracy in Each discnosis command to the other models.

Keywords Rolling element bearing. Natural defect.

#### Introductio

Rolling oftenent brainings are considered to be a visit dement in all natural machines. These bearings are reputately operating under various conditions and are sitlated in a diverse strey of industrial and transportation applications, including automobiles, sieptanes, gas inbition, shorting prosessors, tepes destinate, see [1, 2]. Under working ritermotraneurs, as myteuse in the Intigue limit and operal on the bearing (unders reflectes well create a fungue land), vir, mucus-pating, mixtre-printing, spalling and scaffing. Over 20% of fullaries is notating machinery are attributed to brairing faults [13], hinding so disminished neutracy, availability, sariety, shitability, and cross-officetivations of machines, as well as the degradation of bearing fault [17]. To maintain accuracy and truther shadown costs and accidents, mentioning and estimating the life of bearings are becoming more research [17]. Therefore, newlylated diagnosis and irreducing the stream of the machine is a highly valuable triented true in industrial and neadering. Wheating approach is a frequently adopting chain for the machine is decreasing the wheating reveal offert on the machine is decreasing the stream every defect on the machine is decreasing the stream every defect on the machine is decreasing the stream every defect on the machine is decreasing the stream every defect on the machine is decreasing the stream.

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## Congratulations



Dr. Ritesh Kumar Dewangan
Professor, Mechanical Engineering
Academic Coordinator

Rungta College of Engineering & Technology, Raipur

For publication of Research Paper in

Journal of Failure Analysis and Prevention

Topic: "Fault Diagnosis of Rolling Element Bearing with Operationally Developed Defects Using Various Convolutional Neural Networks"

DOI/Link: https://doi.org/10.1007/s11668-024-01919-5

### Krishna's Vikash Group of Institutions, Raipur Campus





# DIWALI MILAN 2K24

On 26th October, Krishna Vikash Group of Institutions celebrated Diwali Milan with enthusiasm and warmth. The campus was beautifully decorated with lights and diyas, creating a festive ambiance that filled everyone with joy and positivity.

This celebration brought together students, faculty, and staff, fostering unity and a sense of community. The gathering allowed everyone to share Diwali greetings and reflect on the festival's message of light, hope, and prosperity. The Diwali Milan truly highlighted the values of togetherness and cultural appreciation within the Krishna Vikash family.







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# ENROLL NOW



### PHARMACY

- ( M.Pharma
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## Why Vikash Group?

Strong academic interactions and exchnges for the benefit for the students and the faculties.

Facilities for technology incubation and innovation management.

Promote techno-enterprenuership.

Curriculum innovation commensurate to technology changes.

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Promote all round developemnt of students & create a sense of social responsibility.



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