

JUNE 2024 VOL 12

# RCET 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.

#### Connect with us:

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## MEET THE TEAM

### **EDITORIAL DESK**

Dear Readers,

Greetings from the editorial desk of KVIT!

This month at KVIT has been marked by a series of enriching activities aimed at holistic student development and fostering a nurturing environment for academic excellence. Continuing our dedication to student welfare, we organized a comprehensive career counseling session for ITI and Diploma students. The event aimed to guide them towards promising career paths, ensuring a bright future ahead. In our search of academic excellence, KVIT hosted a faculty development program focused on continuous evaluation and mentorship. This initiative aims to empower our faculty with updated pedagogical tools and knowledge, thereby enhancing the quality of education imparted. In line with our environmental supervision, KVIT actively participated in World Environment Day by distributing water pots and launching the Save Birds, Save Environment drive. Through these initiatives, we inspire our students to uphold environmental conservation and sustainability. We commenced June with great enthusiasm as we celebrated Yoga Day, promoting physical and mental well-being among our students and staff. The peaceful morning session underscored our commitment to health mindfulness.We take immense pride in acknowledging achievements of our students. Heartfelt congratulations to the top achievers from the first year! Your dedication and hard work truly set benchmark for excellence.At KVIT, we prioritize development. Our commitment is further reflected in the timely conduction of weekly seminars, where students engage in public speaking and explore deep into their subjects, developing a culture of academic curiosity and confidence. In conclusion, at KVIT, every effort is dedicated to nurturing a helpful learning environment that ensures the all-round development of our students. Together, let's continue striving for excellence and shaping a brighter future.

WARM REGARDS,
DR. RITESH KUMAR DEWANGAN,
ACADEMIC COORDINATOR & HOD
MECHANICAL ENGINEERING, KVIT, RAIPUR





# MEET THE TEAM

### **EDITORIAL BOARD**



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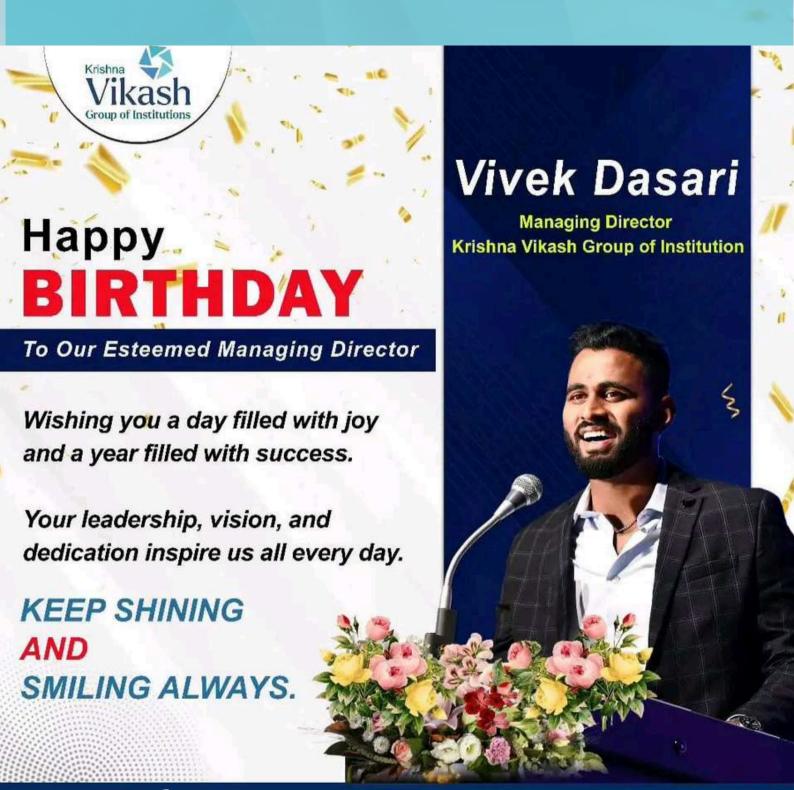
PRATIKSHA PODDAR **ADVISORY MEMBER** 



**HAPPY SINGH CSE 4TH SEM** 



KHUBCHAND DEWANGAN **CSE 4TH SEM** 



Wishing a very happy birthday to the young & dynamic leader of krishna vikash Ufour leadership, vision, and dedication have been an inspiration to us all. Wishing you a year filled with success, happiness, and good healt.

## ACADEMIC ACHIEVEMENTS CONGRATULATIONS





**Bhavesh Baghel** 

78.80%



Krishna Dwivedi B.TECH[AI-ML] SEM-1 B.TECH[CSE] SEM-1 75.20%



Renuka Navak

73.70%



Devanand Chandrakar

70.30%



Vikash Sahu B.TECH[CSE] SEM-1 B.TECH[CSE] SEM-1 B.TECH[AI-ML] SEM-1 68.70%



JayKishan Nishad 68.50%



Monika Sahu 66.40%



Abhishek Tiwari

66.30%



Sonali Parida

66.10%



Sachin Dewangan B.TECH[CSE] SEM-1 B.TECH[CIVIL] SEM-1 B.TECH[AI-ML] SEM-1 B.TECH[CSE] SEM-1 DIPLOMA CIVIL ENGG. 77.60%

Recognizing outstanding academic performance with pride and joy.

Join us in celebrating their remarkable success!

# WEEKLY SEMINAR OF B.TECH II SEM STUDENTS









### **CAMPUS VISIT**

Group of 55 students from ITI Heerapur, Raipur on 14 june 2024 came together at KVIT for a special campus visit session. Each student had their own dreams and interests. The session was all about helping them figure out what they wanted to do in the future. Dr. Ritesh Dewangan, Professor Mechnical & Dr. Pallavi khobragade, Assistant Professor Civil shared their wisdom and advice, making things easy to understand. By the end of the day, the students felt more confident and excited about their future.









### SOCIAL RESPONSIBILITY

Career counseling sessions were organized for Diploma and ITI students at ITI Mova, ITI Heerapur, Raipur, ITI Berla ,Polytechnic College, Kanker and Dhamtari . The aim was to inspire students towards higher education by introducing them to future courses offered at our institute and providing information on fee structures. Personalized interactions were conducted with individual students. Students also participated in campus visits and explored our laboratories.









# NSS ACTIVITY IN COLLABORATION WITH ABVP

On the Occassion of "World Environment Day" NSS conducted " SAKORA DISTRIBUTION DRIVE" on 5 june 2024 in collaboration with ABVP and Mr. Kishor kumar sahu, NSS Programme Officer at college campus, Raipur.



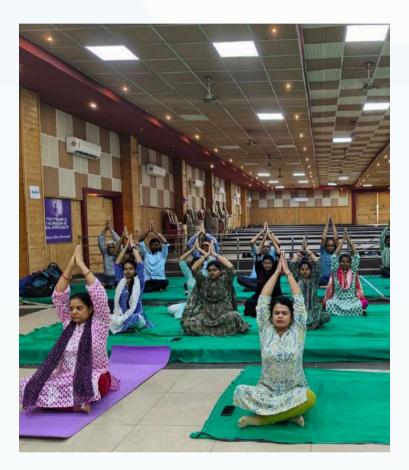






# INTERNATIONAL YOGA DAY

At Krishna Vikash Educational Campus, Raipur, International Yoga Day was celebrated joyfully on 21 June 2024. Students and teachers came together in the morning to learn and practice different yoga poses. The event highlighted how yoga benefits our body, mind, and spirit







# FACULTY DEVELOPMENT PROGRAM

ENHANCING EDUCATORS: 7 DAYS FACULTY DEVELOPMENT PROGRAM WAS CONDUCTED AT KVIT FOR ENHANCING EXCELLENCE IN EDUCATION







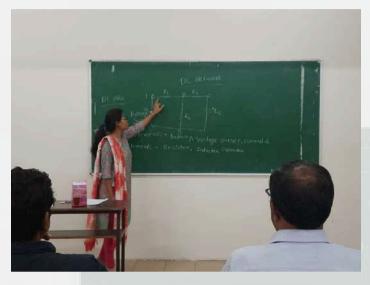






# FACULTY DEVELOPMENT PROGRAM















## RESEARCH & DEVELOPMENT **PROGRAM**





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

Subsected: 22 Summy 2024 in several free; 5 March 2024 Accepted: 12 March 2024 II: ASM International 2024

Abstract Rolling element bearings are critical building blocks of any retaining modition. Archivering effective and provide land diagramis, through a various module element according of the contract and the gray a private trieb in ensuring the accoracy in finite diagrams, and the bearing fast diagrams. This research paper approximate comparative under a statistical according element bearings. The contract paper are consistent as a state burning six of government of the contract and conductive and conductive and conductive and conductive and as a state burning six of government as common upon of 1600 persisting using over 2000 burns as common the state of the contract as common upon of 1600 persisting using ever 2000 burns as common the contract produces. The proposal configuration of the state partial to the contract of the burning comparative. The proposal contract is of the burning comparative and the contract productive and the contract of the state of the contract of the contract to the state of the contract to the contract of the contract to the state of the contract to the contract of the contract to the state of the contract to the contract

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Published volum: 27 April 2024

Rolling element bearings are considered to be a vital elements in all returns machines. These bearings are constantly operating under visions conditions and are stilized in a divertic array of industrial and transportation applications, to challeng mammalistic, explained, and transportation applications, to challeng mammalistic, explained, and and applications, to challeng materials with create a foligor fault, viv. manistrations are not mention greated and appeal on the bearing contact surfaces will create a foligor fault, viv. manistrations, mechanistics, qualities and working content surfaces will create a foligor fault, viv. manistration and expend on the bearing contact surfaces will create a foligor fault, viv. manistration of surfaces. So of faultures in standing to distincted arounces, enablability, softry, statishelity, and constitutions contained and accidents, memioring and crimeding the file of bearings are becoming more constituted [5]. Therefore, newedges fault diagnosis and conditioning mentions of the size of a highly valuable research was no industrial and accidence. Vehiculates approach to a frequently odopsed analysis, depresspraphy, accounts emissions, and alta-summ: testing. Vehiculates analysis is aftern portured became received of Vehiculates analysis.



## 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





# Build your career with Krishna's Vikash Group

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   CSE (AI) / CSE (AI & ML) / Electrical / ET /
   Mechanical Engg.
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- Polytechnic Civil / Electrical / Mechanical

#### **PHARMACY**

D. Pharma
 B. Pharma
 M. Pharma

#### Why Vikash Group?

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

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Promote techno-entrepreneurship.

Curriculum innovation commensurate to technology changes.

Produce high quality, professionally well prepared human resource in engineering and technology disciplines.

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

# SCIENCE, COMMERCE & MANAGEMENT

- BBA BCA
- B.Com. (Computer Application)
- B.Sc. Biotechnology (Botany & Zoology)
- B.Ed.
   PGDCA
- \* Subject to approval of the Regulatory Body.

