

DECEMBER 2023 VOL6

RCET RAIPUR

The official newsletter of Krishna's 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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Dear Students, Faculty, and Staff,

As we stand on the threshold of a new year, I am filled with gratitude and pride for the incredible journey we have undertaken together. 2023 has seen us overcome challenges, celebrate achievements, and reinforce our commitment to academic excellence. The students of our college have consistently demonstrated brilliance, determination, and a passion for learning. Your accomplishments, both inside and outside the classroom, are a source of inspiration for all of us.

We appreciate the diligent efforts of our committed teachers and staff members in moulding our students' brains, fostering a learning atmosphere, and enhancing the campus's dynamic settings. Your dedication to the goals of Krishna's Vikash Group has been crucial to our achievement and I am confident that together, we will achieve even greater heights in the coming year.

As we usher in the promise of 2024, let us carry forward the lessons learned and the camaraderie built. This new year holds the potential for further academic triumphs, personal growth, and collective success. I encourage each student to set ambitious goals, embrace challenges, and seize the opportunities that come your way.

May 2024 be a year of enlightened growth, shared accomplishments, and boundless possibilities. Wishing you all a Happy and Prosperous New Year!

Warm regards, Dr. D. N. Dewangan Principal



MEET THE TEAM

EDITORIAL DESK

Dear Readers,

As we embark on the journey of a new year, may the spirit of innovation guide our endeavors at Rungta College of Engineering & Technology (RCET). May each student's curiosity fuel breakthroughs, and may the faculty's expertise continue to inspire excellence in the coming year also. Wishing the entire RCET community a year filled with learning, growth, and remarkable achievements. Embarking on the journey of knowledge at RCET is a transformative experience where academic excellence meets holistic development. Here, commitment to transforming engineering education is reflected not only in academic achievements but also in the overall growth and enthusiasm of our students.



Our students have consistently showcased exceptional academic achievements, a testament to their dedication and the high-quality education provided by our esteemed faculty. The recently celebrated annual day was a showcase of the diverse talents that thrive within our campus. The event was a grand celebration of cultural diversity, bringing together students from various backgrounds to share their unique talents. From dance performances that left the audience spellbound to musical renditions that resonated with the soul, our students demonstrated their creativity and passion for the arts. Students are not just confined to academic pursuits; they actively participate in various competitions, showcasing their skills and talents on broader platforms. Whether it's coding competitions, sports, robotics challenges, or entrepreneurial contests, our students consistently make us proud with their remarkable achievements. Their success in these competitions reflects not only their technical prowess but also their ability to apply classroom knowledge to real-world scenarios. As we celebrate the achievements of our students, we extend our gratitude to everyone who has been a part of the group.

WARM REGARDS,
DR. PALLAVI KHOBRAGADE
ASSISTANT PROFESSOR & HOD (CIVIL)
RCET RAIPUR

MEET THE TEAM

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Former 2005 batch IAS officer O P Choudhary. Tankram Verma and Laxmi Rajwade all first-time MLAs



Ram Vichar Netam



Brijmohan Agrawal



Dayal Das Baghel



Kedar Kashvap



Lakhanlal Dewangan







Laxmi Rajwade



Tankram Verma

Heartfelt congratulations on your well-deserved victory and appointment to our esteemed cabinet. Your election reflects the trust and confidence that the citizens have placed in your abilities to lead and govern. As you take on this significant responsibility, remember that the decisions you make will impact the lives of many.

Your dedication to public service is commendable, and we believe that your diverse skills and experiences will contribute to the prosperity and well-being of our nation. This is a moment of both privilege and responsibility, and we trust that you will approach your roles with integrity, transparency, and a commitment to the greater good.

As you work alongside your fellow ministers, foster collaboration and open communication to address the challenges our country faces. Remember that you are representatives of the people, and your decisions should reflect their aspirations and needs.

We wish you strength, wisdom, and resilience as you navigate the complexities of governance. Your success is our collective success, and we are optimistic that, under your leadership, our nation will thrive and pruosper.

Once again, congratulations on this remarkable achievement. May your tenure be marked by progress, unity, and positive transformation.

T20 RAIPUR

IPL Auction

NEW DELHI, Dec 1 (PTI)

AUSTRALIA'S World Cup heroes Travis Head, Pat Cummins and Mitchell Starc have all kept their respective base prices in the highest bracket of Rs 2 crore along with out-of-favour India p a c e r

favour India
p a c e r
Harshal Patel
for the IPL
a u c t i o n s,
scheduled in
Dubai
on
December 19.
As per ESPN Cricinfo, franchises have been sent a list of
1166 players, who have registered for the auction.
There are 77 slots up for grabs

There are 77 slots up for grabs and 30 of them would be over-

Aus WC stars keep base price at Rs 2 cr

seas players. The 10 teams can collectively spend Rs 262.95 crore. New Zealand's Rachin Ravindra, who made everyone stand up and take note with his batting exploits during the World

Cup, is priced at Rs 50 lakh but he is

expected go at least 15 if not 20 times more than his base

Surprisingly, former India

batter Kedar Jadhav, who is well

past his sell-by-date has kept his base price at Rs 2 c along with Umesh Ya whose India Test career ha Jos Inglis, who rece

scoredhis mai T20 hund a g a i i

new pace bowling sensa Gerald Coetzee and the o gerous Rassie van der Dus who is likely to see the h mer go up multiple times.



Aus WC stars keep base price at Rs 2 cr

Padikkal slams ton in Karnataka's win

Dada bats for Rohit 'Should lead India till

2024 T20 World Cup

SPORTS

WC COMBINATION SEARCH

INDIA-SA FIRST T201 CALLED OFF AMID RAINS



INDIA'S desire to start the process off Inding an ideal Combination for the T20 WorldCup 2024 suffered a minor dent as their first match against South Africa was abandoned without a ball being bowled after Persistent rain here on Sunday. In fact, even the toss did not take place.

Now, the 'Men in Blue' are left with just five T20 Is - two more against the Proteas and three games against Afghanistan at homein January ahead of nextyear's showpiece in the WestIndies and the USA. In that context, India would have liked to make ahead start to their search for a perfect blend at Kingsmead but rain put paid to those hopes Temporarily. With the IPL 2024 Preceding the T20 World Cup, the Indian think tankwill certainly bank on the league to identify the ideal 15 for the Marqueeevent. India stand in Captain Suryakumar suggested bit of as much.

ACADEMIC ACHIEVEMENT



Mohit Ku. Singh
CSE(4th sem)
78.1%



Payal Sonkar CSE(4th sem) 77.7%



Pooja Patel CSE(4th sem) 77.5%



Chetlapalle Prem CSE(4th sem)



Arun Sonkar CSE(4th sem) 76.5%

BEST WISHES FOR YOUR BRIGHT FUTURE...!!!

ACHIEVERS OF THE YEAR



Tanmay Choudhary
CSE (7th sem)
Acadmic excellence



Tejesh Sao
CSE (7th sem)
Student of the year



Gopeshwari kurre CSE(3rd sem) Best cultural wizard



Avan Nishad Diploma (3rd sem) Best Sportsmanship

SPORTS ACHIEVEMENTS







CSVTU Inter-Zone Athletics and Chess Tournament at SSIPMT(23&24 Dec 2023)

The Inter-Zone Athletics and Chess Tournament held at SSIPMT on 23rd and 24th December 2023 brought together students from all four zones, showcasing their athletic and strategic prowess. Here students who had triumphed in their respective zones came together to compete.

Athletics Tournament: The athletics segment of the tournament witnessed intense competition, with students showcasing their skills in various events. Avan Nishad (Diploma Electrical 3rd Semester) emerged as a standout performer by securing the 1st position in the highly competitive 400 meters race.

Chess Tournament: The chess competition was equally engaging, with students from different zones displaying their strategic acumen on the chessboard. Participants Ankur Pratap Singh, Tejesh Sao, Dinesh Kumar Chandra from B.Tech CSE 7th semester demonstrated their chess skills and perseverance. Although they faced tough opponents, their efforts did not go unnoticed, and they were awarded consolation prizes for their commendable performance.

ALUMNI MEET





Alumni meeting was conducted on 23/12/23 at Rungta College of Engineering and technology Raipur. During the interaction session the alumni they:

- 1. Discussed about the current trends in language and certification in the industry.
- 2. Discussed how to starts new business.

Alumni also interacted with the students and gave career guidance regarding higher studies and placement. Present in the alumni meeting Alumni coordinator

- Dr. Prathibha Srivastava
- Dr. Suman Verma
- Dr.Ritesh Dewangan
- Dr. Pragya Awadhiya

Office bearers of Alumni association:

- 1. Mr. Sameer (President)
- 2. MR. Nirendra (vice President)
- 3. Mrs. Suman verma (Secretary)
- 4. Nisha sahu (Executive Members)

ANNUAL FUNCTION











Krishna Vikash Group of Institutions in Raipur hosted "Vibrance 2023," a talent exhibition emphasizing holistic education. The event featured student performances in dance, drama, and music while acknowledging academic accomplishments. Esteemed guests, including Chief Guest Shri. Chhagan Lal Mungda and Guest of Honour Shri. Debaprakash Mohanty, lauded the institution's potential educational impact.

Chairman Shri. Dasari Murli Krishna advocated a holistic curriculum blending CBSE standards and enriched academics. The program showcased diverse cultural performances, interactive sessions, and speeches emphasizing holistic education's importance. It was a memorable event, fostering community engagement and celebrating multifaceted student talents, leaving an indelible mark on participants and attendees alike.















CSVTU TECHFEST









The Inter College CSVTU TECHFEST at RCET Raipur featured a spirited Song and Dance competition, uniting Zone II colleges in showcasing their talents. RCET clinched 2nd place in the group song category, triumphing with performers Chetla Palle Prem, Ayushi Patle, Akash Yede, Amisha Sahu, Deepesh Verma, and Purva Pardhi. The event, held on December 2, 2023, showcased diverse performances, adding vibrancy to the atmosphere. Judges Mr. Raghvendra Shastry and Mr. Deepak Thakur evaluated the presentations, infusing excitement and anticipation. Overall, the fest celebrated artistic abilities, fostering camaraderie and spirited competition, encapsulating a day brimming with creativity and youthful energy among participating colleges.









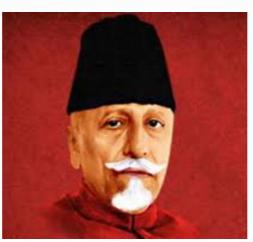






NATIONAL EDUCATION DAY







Our recent Education Day celebration on 20/12/2023 was a resounding success, honoring Bharat Ratna Maulana Abul Kalam Azad's legacy.

Objective: Tribute and Empowerment

The event celebrated Azad's contributions to education, emphasized its vital role in national progress, and empowered students with insights into RBI careers and financial literacy.

Speakers: Career Guidance and Financial Insights
Smt. Sukshima Naik, Assistant General Manager at RBI,
and Mr. Kumar Gaurav, Assistant Manager at RBI,
provided valuable career guidance and financial insights.

Outcome: A Triumph

With 20 faculty members and 100 students actively participating, the celebration successfully honored Azad's legacy promoted inclusivity, and empowered students with career insights and financial literacy.

RESEARCH & INNOVATION

Dr. Manisha Agrawal, has received 1st Runner up award of Yukti Innovation, project theme "Scientific Utilization of Cow dung _opportunity towards self employment" during Regional Meet at GH Raisoni Engineering College, Nagpur on 13 Dec 2023. Award given by Shri Dipan Sahu, Assistant Director, AICTE, New Delhi.





Published one book chapter by Dr. Pallavi Khobragade titled "Impact of Lockdown on Air Pollutant Variation in Metropolitan cities" in a book named Recent Research on Environmental Earth Sciences, Geomorphology, Soil Science, Paleoclimate and Karst, Publisher: Springer'Cham.

Research Paper published by Dr. Ritesh Dewangan on Journal of Vibration Engineering & Technologies (SCI & Scopus, Impact Factor: 2.7) on the topic "An Investigation of Fault Detection Technique in Rolling Element Bearing".



The realm of research and innovation, a symphony of intellect and creativity unfolds, weaving a tapestry of boundless possibilities. Minds ignited with curiosity embark on a journey through the uncharted territories of knowledge, unraveling the mysteries of the universe.

PERFORMANCE BASED STRUCTURAL DESIGN: WHY DO WE NEED IT?

PROF. SUMAN BAIS

ASSISTANT PROFESSOR, RUNGTA COLLEGE OF ENGINEERING AND TECHNOLOGY, RAIPUR



ABSTRACT- This article discusses the need for performance design approach in the field of structural engineering.

Are our structures safe?

Structural engineers often get asked the question by clients and the public that whether their structure is going to be safe after design. The most common answer given by structural engineers could be that they will follow the design codes and engineering practices and that is intended to provide safe structures. However, this answer may not be satisfactory or sufficient for the public, seeking explicit confirmation. In this article we will try to address this question and see how the performance-based design may provide one of the solutions and why we need to do a performance-based design evaluation of structures for establishing explicit safety.



FIG. VARIOUS TYPES OF HAZARDS THAT CAN AFFECT STRUCTURAL SAFETY

How to determine safety of structures?

To determine the safety of structure, we investigate how the hazards and safety is connected in relation to disaster. As depicted in Equation-01, the disaster is a product of three things; the hazard which is a natural or man-made event. vulnerability which is the inappropriate built environment or the weaknesses in the environment that is being hit by the event, and an exposure which is the people, property or anything of value that is exposed to that hazard. A disaster is severe if we have high exposure, high vulnerability, and high level of hazard. Most often there is not much that can be done about the hazards but sometimes we can control exposure by evacuating the buildings or constructing the buildings where there is a low hazard moreover. As structural engineers, control the we can vulnerability ie., the weakness in the structure. The structure will be safe when the vulnerability will be low and then the effect of disaster will be low.

UPCOMING EVENTS

1.New Year Celebration:

As we anticipate the arrival of 2024, rest assured that the new year celebration will be in full swing right here at RCET. We all are excited and celebrate upcoming year together in our campus, embracing innovation and unity.

2.Industrial visit:

Next month, our engineering students will go on field trips to industries for hands-on learning. It's a great opportunity for practical experience and real-world insights!

3. Faculty Picnic:

Next month, the faculty is looking forward to a well-deserved picnic. It's a time for our dedicated team to enjoy some fun and relaxation together.

4. Student picnic:

Students, get ready for a fantastic picnic next month! It's a great chance to have fun and make lasting memories outside of classes.



रायपुर 14-12-2023

नृत्य नाटिका में स्टूडेंट्स ने दिखाई महाभारत की कथा



कृष्णा विकास ग्रुप की ओर से एनुअल फंक्शन "वाइब्रेंस" का आयोजन किया गया। इस दौरान स्टूडेंट्स ने एक से बढ़कर एक प्रस्तुति दी। स्टूडेंट्स के एक ग्रुप ने नृत्य-नाटिका के जीरए महाभारत की कथा का वर्णन किया। इसी तरह स्ट्रडेंट्स के ग्रुप ने इजराइल युद्ध के विध्वंस को दिखाते हुए मैसेज दिया कि युद्ध किसी भी समस्या का समाधान नहीं है। इससे केवल विनाश ही होता है। इसके पहले कार्यक्रम की शुरुआत के बाद एजुकेशन, स्पोर्ट्स, ओलंपियाड आदि में उपलब्धि हासिल करने वाले स्टूडेंट्स को पुरस्कृत किया गया। इसी तरह कल्चरल प्रोग्राम की शुरुआत अतीत, वर्तमान और भिक्य को जोड़ने वाली थीम के साथ हुई। स्टुडेंट्स ने गणेश वंदना, योग और मलखंभ की प्रस्तुति दी। इसी के साथ ही सोशल कॉज के तहत स्टूडेंट्स ने सोशल मीडिया के प्रभाव, जलवायु परिवर्तन, रोबोटिक्स और भविष्य की कक्षाओं के बारे में भी बताया। इस दौरान अध्यक्ष मुख्ती कृष्ण, छगन मुंदडा, देवप्रकाश मोहंती समेत अन्य शामिल रहे।

#AnnualFunction कृष्णा विकास ग्रुप का आयोजन

सांस्कृतिक उत्सव 'वाइब्रेंस' में स ने दिखाई प्रतिभा

patrika.com

कृष्णा विकास ग्लोबल स्कूल और कॉलेजों के छात्रों ने वार्षिक समारोह में अपने शानदार प्रदर्शन से दर्शकों को मंत्रमुग्ध कर दिया। अध्यक्ष मरली कष्ण, मख्य अतिथि छगन मुंदड़ा और विशिष्ट अतिथि एक्सिस बैंक के देबाप्रकाश मोहंती के प्रेरक शब्दों के साथ समारोह की शुरुआत हुई और उसके बाद शिक्षा. खेल. ओलंपियाड आदि में उपलब्धि हासिल करने वाले छात्रों के लिए पुरस्कार वितरण किया गया। सांस्कृतिक कार्यक्रम की शुरुआत अतीत, वर्तमान और भविष्य को जोड़ने वाली थीम के





पुरस्कार प्रदान किए।

भारत, मिस्र व यूरोप के शास्त्रीय नृत्य में पिरोया अतीत, वर्तमान और भविष्य



णा विकास ग्लोबल स्कूल और ज के सामृहिक वार्षिकोत्सव में ो ने अपने शानदार पदर्शन से 2 शंकों की भीड़ को मंत्रमुन्ध कर में सभी क्षेत्र के दिग्गज शामिल में ना सिर्फ शानदार संस्कृतिक ातियां दी बल्कि विभिन्न क्षेत्रों मे अर प्रदर्शन करने वाले छात्र भी त हुए। उसके बाद शिक्षा, खेल, प्रयाङ आदि में उपलब्धि हासिल छात्रों के लिए प्रस्कार वितरण मुख्य अतिथि छगन मुंदड़ा और



महाभारत आधारित नृत्य नाटक

कार्यक्रम की वर्तमान और भविष्य को जोड़ने वाली थीम के साथ हुई। छात्रों ने गणेश वंदन के साथ शुरुआत की और योग और मलखंस का शानदार प्रदर्शन भी किया। इसमें भारत. चीन मिस्र और यूरोप के शास्त्रीय नृत्य थे। महाभारत आधारित नत्य नाटक ने र संबकी तालियां बटोरी। इजराइल युद्ध, सोशल मीडिया प्रभाव, जलवाय परिवर्तन, रोबोटिक्स के साथ भविष्य की झलक दिखाते हुए सामाजिक संदेश भी ढिए। छात्रों ने नदार प्रदर्शन













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