



TECHFUSION

THE INTER COLLEGE TECHNICAL CUM CULTURAL FEST OF KEC,KATIHAR

25 - 28 JAN 2k24



EVENT BROCHURE

PRIZE MONEY
WORTH 200K*



TECHFUSION

25 - 28 JAN 2k24



Katihar Engineering College (KEC), Katihar with the advent of technology and the emergence of notable education in our society, had decided to adapt the prevailing need for light. The college is enriched with a pollyannaish environment and enthusiastic students guided by well-qualified professionals from different prestigious colleges of our country.

TECHFUSION'24 is a 4-day fest congregation of a group of events. The events are expected to have an average participation of 2000+ students including students arriving from other colleges to participate in it. TECHFUSION is all about students coming together, to experience the beauty of technology merged with fun

TECHFUSION

25 - 28 JAN 2k24

ROBO WAR

LFR

HURDLE MANIA

HACKATHON

BUG HUNTING

EVENTS

ROBO SOCCER

***BOAT A MAZE**

ROBO RACE

CP

AUTO CAD



TECHFUSION

25 - 28 JAN 2k24

SURVEYING

BRIDGE MAKING

PHOTOGRAPHY

BGMI

THRUST

EVENTS

SEISMIC DESIGN

ARMSTRONG

E-CHESS

NUKKAD

CROSSWORD



TECHFUSION

25 - 28 JAN 2k24

QUIZ

TRICKY CIRCUIT

SANKALP

EXTEMPORE

FORENSIC
HACKATHON

ARDUINO EFFECT

PRASTUTI

BLIND CODING



TECHFUSION

25 - 28 JAN 2k24

SANSKRITI

INSTRUMENTAL

VOICE OF SOLO

CURTAIN RAISER

NRITYAKALA

EVENTS



TECHFUSION

25 - 28 JAN 2k24

ARZ KIYA HAI

TRUE SHADES

GRAPHIC WAR

CINEMATOGRAPHY

RAP BATTLE

EVENTS



25 - 28 JAN 2k24



ROBO WAR

THE CHALLENGE IS TO DESIGN AND BUILD A ROBOT, COMPETENT TO FIGHT OTHER ROBOTS IN THE BATTLE.



TEAMS ARE REQUIRED TO ASSEMBLE AND FORM AN AUTONOMOUS BOT THAT CAN FOLLOW A BLACK LINE OVER A CONTRASTING SURFACE.



ROBO RACE

THE GOAL OF ROBORACE IS TO ADVANCE THE DEVELOPMENT OF AUTONOMOUS VEHICLE TECHNOLOGY BY PROVIDING A PLATFORM FOR TESTING AND COMPETITION

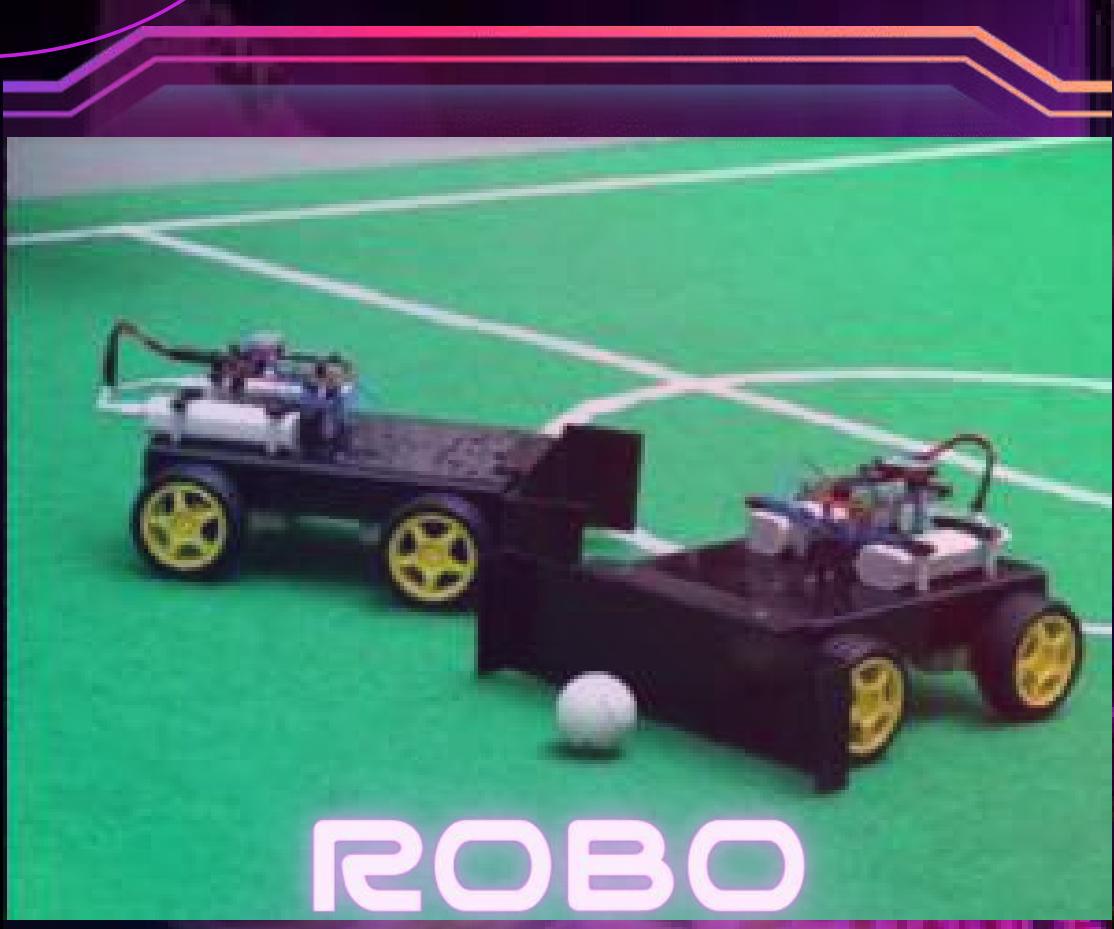


TECHFUSION

25 - 28 JAN 2k24



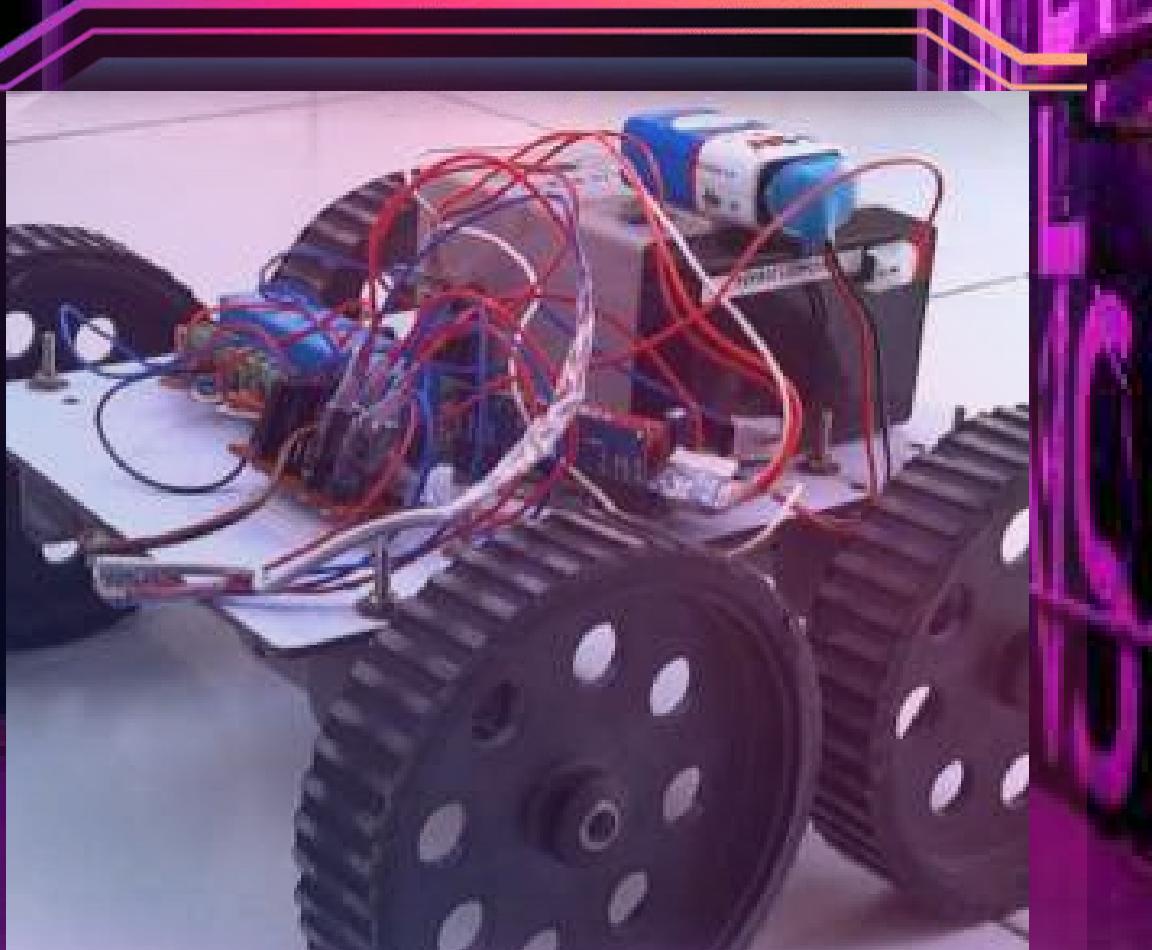
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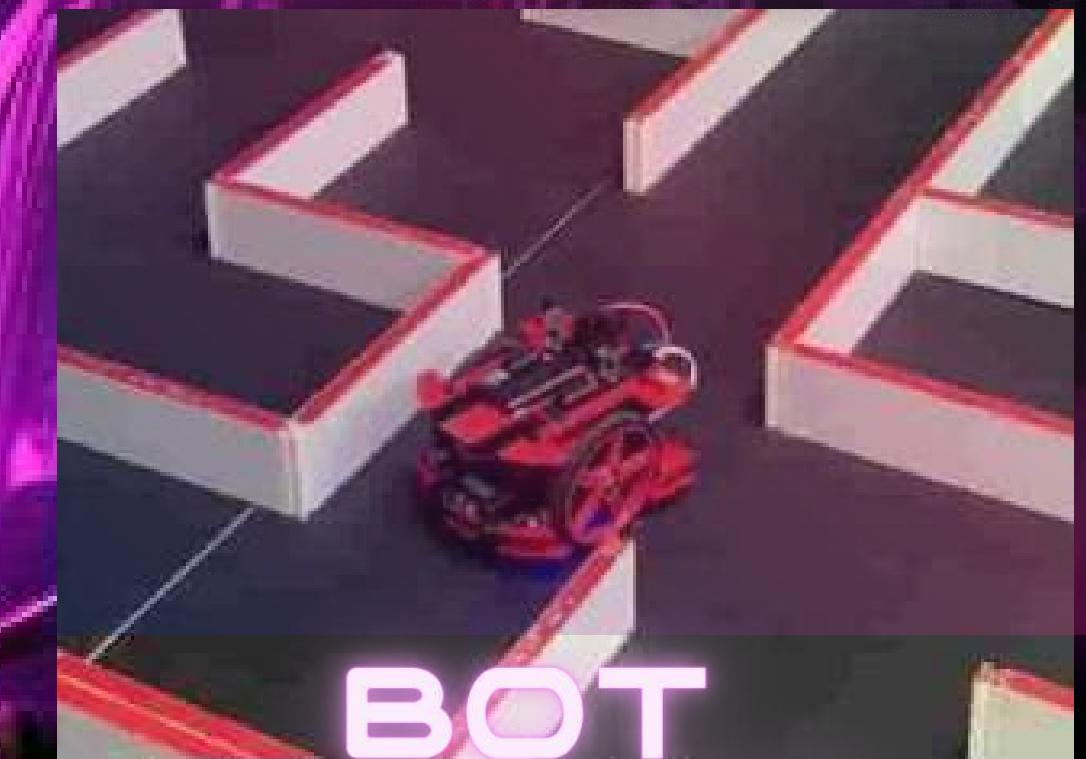
ROBO SOCCER

ROBOSOCCER IS AN EVENT IN WHICH ROBOTIC MACHINES COMPETE AGAINST EACH OTHER IN SOCCER (FOOTBALL) LIKE GAME

THE MAIN TASK IN THE EVENT IS TO CONSTRUCT A RACING BOT (WIRED OR WIRELESS) THAT CAN COMPETE AGAINST THE OPPONENT BOT WHILE TRAVERSING THROUGH THE ARENA FULL OF SHARP TURNS, ROUGH PATHS, ZIG-ZAG PATHS, WEDGES, ETC



HURDLE MANIA



BOT A MAZE

THE PARTICIPANTS OF THIS EVENT ARE REQUIRED TO BRING BOTS WITH/WITHOUT THE HAND MADE CHASSIS AND PRE DEFINED DIMENSIONS

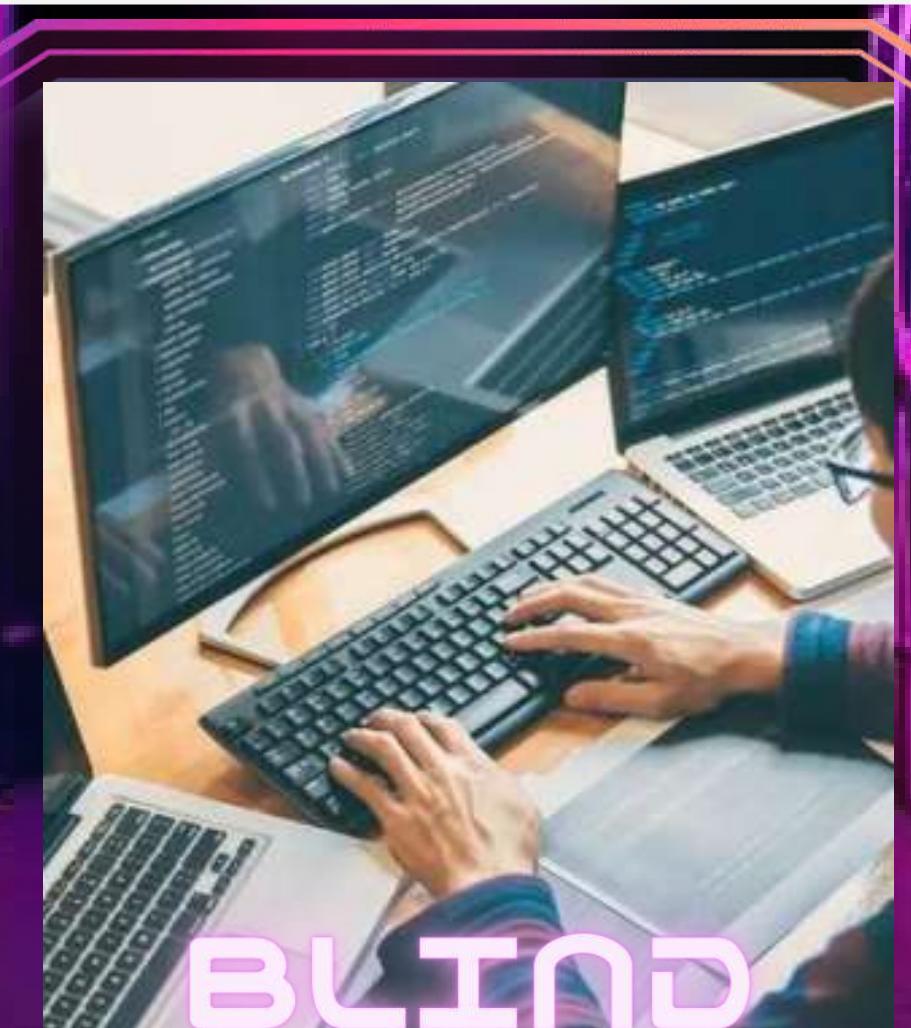
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HACKATHON

HACKATHON IS AN EVENT WHERE PARTICIPANTS COMPETE TO DEVELOP INNOVATIVE SOFTWARE SOLUTIONS TO SOLVE REAL-WORLD PROBLEMS. THIS IS A GREAT OPPORTUNITY FOR DEVELOPERS, DESIGNERS, AND CODERS TO COME TOGETHER AND SHOWCASE THEIR SKILLS, CREATIVITY, AND PASSION FOR TECHNOLOGY.

EACH PARTICIPANT HAS TO WRITE THE CODE FOR GIVEN PROBLEM, WITH MONITOR OFF. PROBLEM STATEMENT WILL BE AVAILABLE IN ENGLISH LANGUAGE. THERE WILL BE A C/C++ COMPILER. THIS EVENT CONSISTS OF 2 ROUNDS.



BLIND CODING



BUG HUNTING

DEBUGGING IS THE PROCESS OF FINDING AND FIXING BUGS IN THE SOURCE CODE OF ANY SOFTWARE.

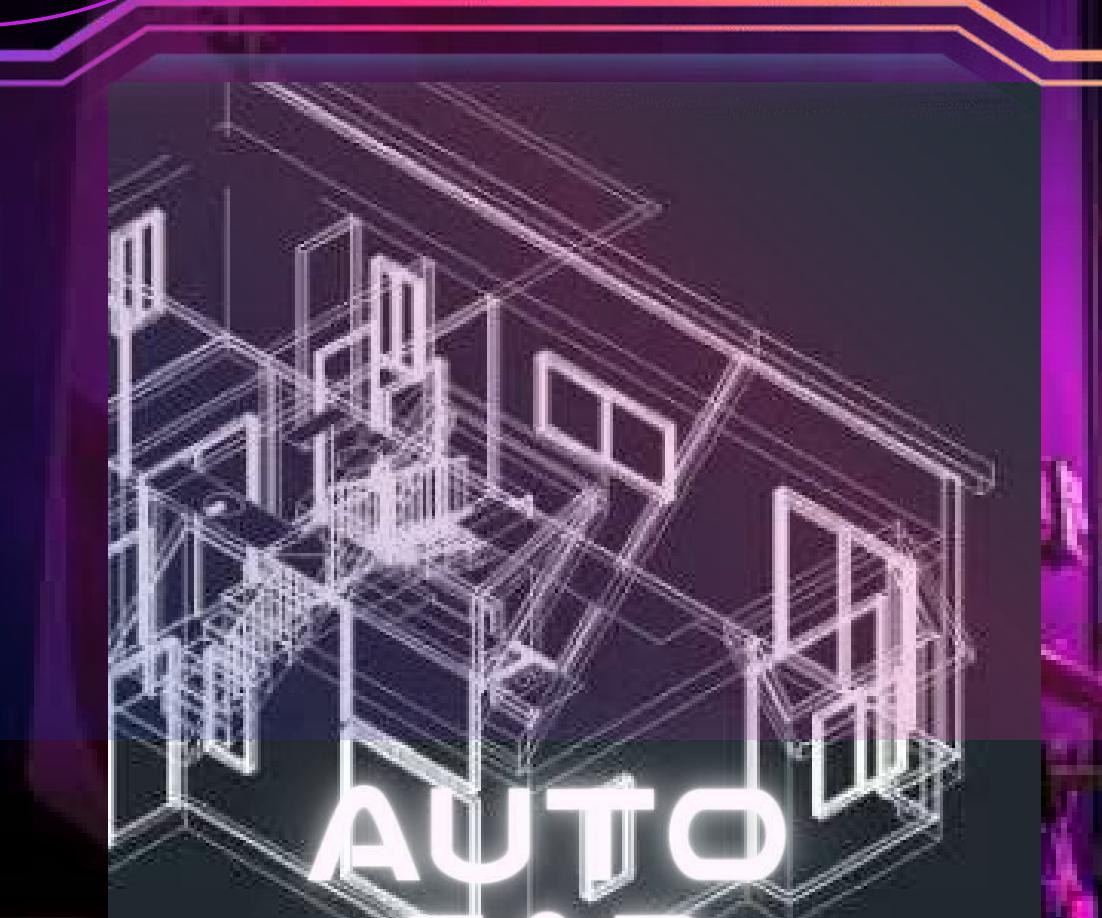


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25 - 28 JAN 2k24



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AUTO CAD

AUTO CAD IS AN EVENT TO SHOWCASE YOUR DESIGNING SKILLS AMONG HUNDREDS OF WELL-VERSED PARTICIPANTS ACROSS BIHAR

PARTICIPANTS WILL HAVE TO BRING THEIR SELF MADE TRUSS BRIDGES ACCORDING TO THE GIVEN CRITERIA/S WHOSE STRENGTH WILL BE TESTED WITH WEIGHTS AND THE ONE WITH THE BEST STRUCTURE SHALL WIN THE PRIZE



BRIDGE MAKING



BGMI

THIS IS AN INVITE TO ALL THE GAMERS OUT THERE, WHOSE ETERNAL PEACE LIE IN A PLACE CALLED ERANGEL. GEAR UP FOR YOUR MUCH BELOVED CHICKEN DINNER !

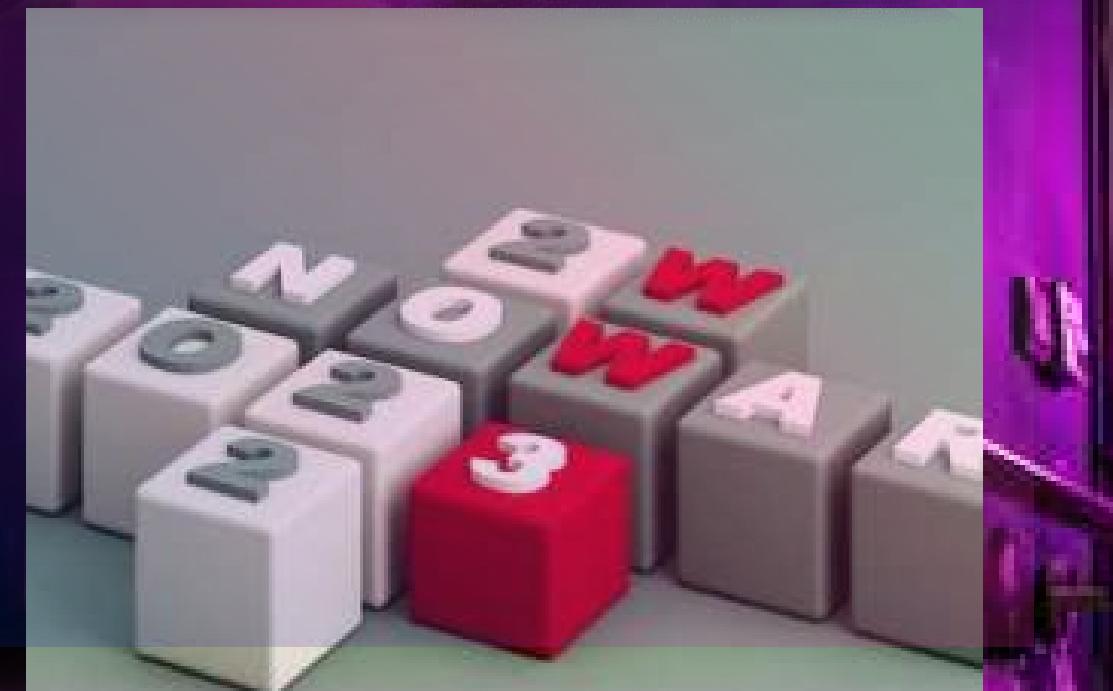


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25 - 28 JAN 2k24



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CROSSWORD

SHOW OFF YOUR VOCABULARY & LOGICAL SKILLS AND COMPETE WITH THE BEST IN THE GAME AT CROSSWORD & SUDOKU, JOIN US FOR A FUN-FILLED COMPETITION AND PUT YOUR LINGUISTIC ABILITIES TO THE TEST! WHO WILL BE CROWNED THE ULTIMATE WORDSMITH? JOIN US AND FIND OUT!

THIS EVENT REQUIRES A BASIC KNOWLEDGE OF FABRICATION, MATERIALS AND PHYSICAL CALCULATIONS INVOLVING THRUST, AIR PRESSURE ETC.



THRUST



ARMSTRONG

ARMSTRONG IS AN EVENT THAT TESTS THE POWER OF A HYDRAULIC ARM TO LIFT THE OBJECT ALONG WITH THE KNOWLEDGE OF ESSENTIAL HYDRAULIC COMPONENTS LIKE INCOMPRESSIBLE LIQUID, THE CAPACITY OF FLUID TO LIFT THE OBJECT, ETC

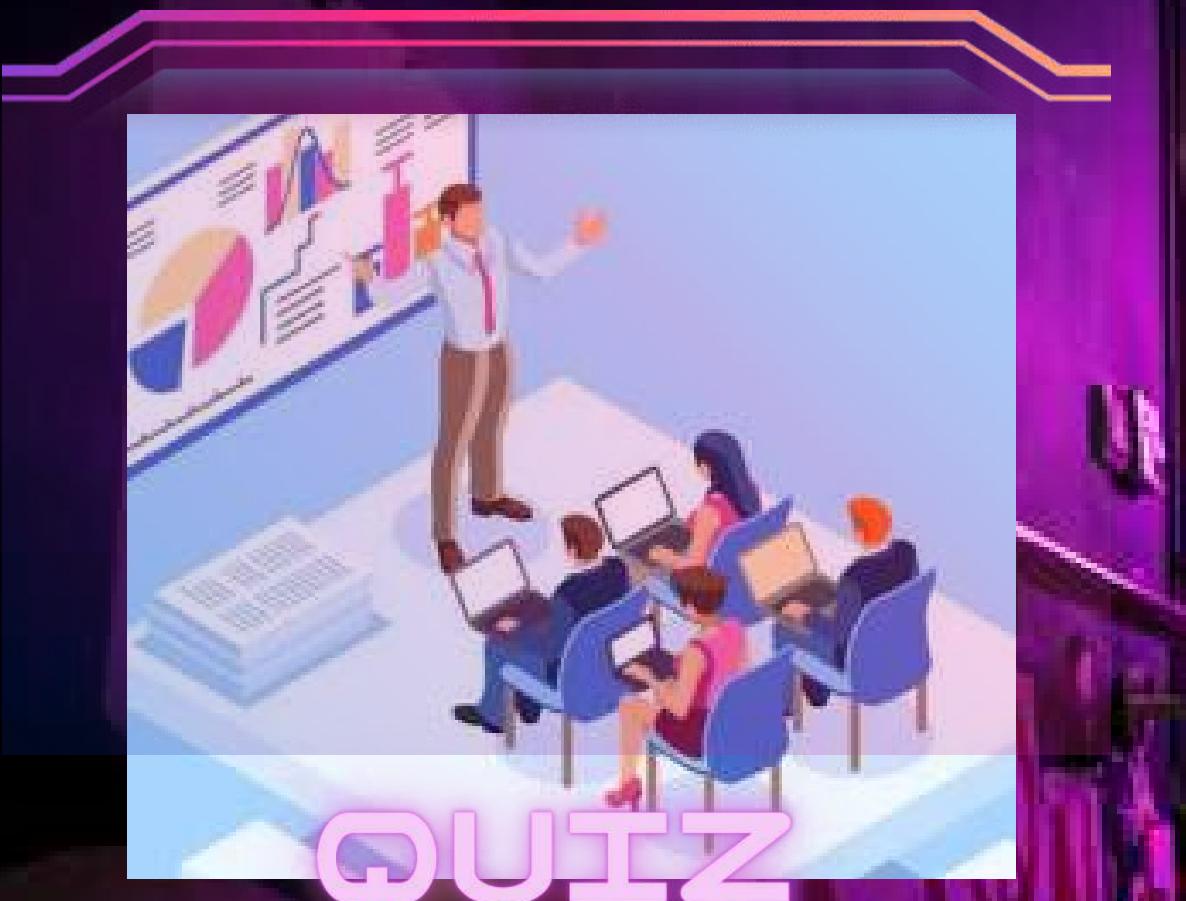


TECHFUSION

25 - 28 JAN 2k24



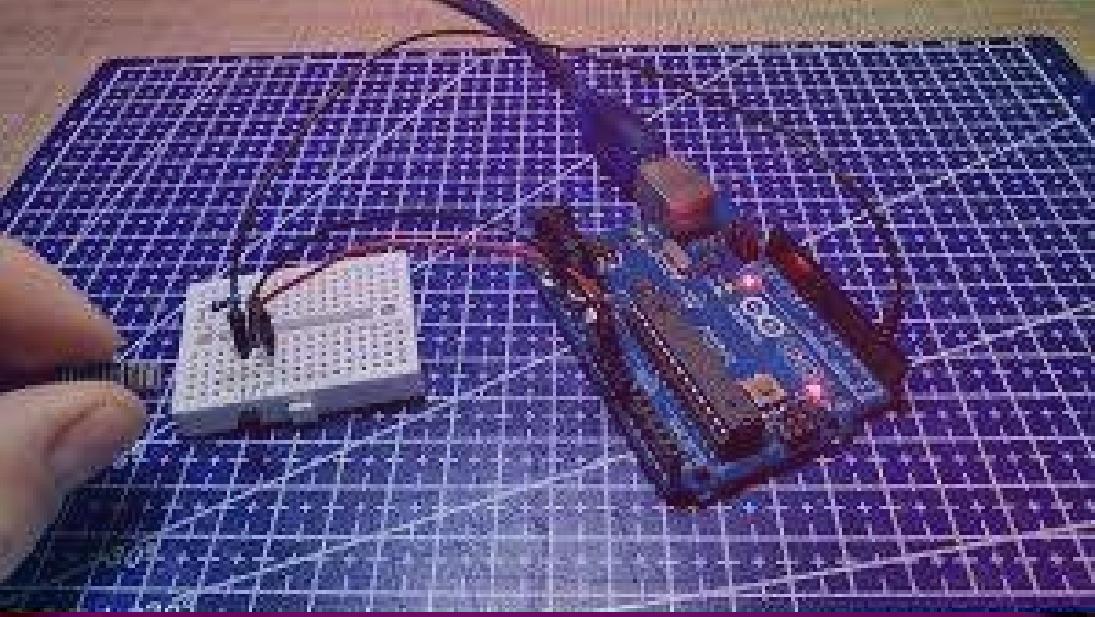
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QUIZ

THE EVENT WILL GIVE THE PERFECT THRILLER AND ENTERTAINMENT TO THE PARTICIPANTS AND AUDIENCE BY DIFFERENT ROUNDS OF AUDIO, VIDEO AND PEN-PAPER TEST.

IT CONTAINS TWO CATEGORIES WHICH INCLUDE :
A.) SCIENCE, TECH AND SPORTS
B.) GK, GS AND BUSINESS



AURDUINO EFFECT

THE ARDUINO EFFECT COMPETITION 2024, WILL BE CONDUCTED ON 23/01/2024. IT CONSIST BASICALLY A PROJECT BASED ON ARDUINO. EACH TEAM WILL CONSIST OF AT MOST FOUR MEMBERS FROM A PARTICULAR COLLEGE.



E-CHESS

ONLINE CHESS WILL BE CONDUCTED ON THE CAMPUS OF KEC KATIAR. PLAYERS SHOULD BE PRESENT IN OFFLINE MODE ON CAMPUS. ALL THE FIDE RULE WILL BE APPLIED DURING THE GAME. EACH MATCH WILL BE THE KNOCKOUT OUT MATCH. THE GAME DURATION WILL BE 10 MIN IN THE INITIAL STAGE.



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25 - 28 JAN 2k24



PHOTOGRAPHY

ALL PARTICIPANTS MUST BE CURRENTLY ENROLLED STUDENTS IN A COLLEGE OR UNIVERSITY. EACH TEAM CAN HAVE A MAXIMUM OF 4 MEMBERS. THE THEME OF THE COMPETITION MUST BE STRICTLY FOLLOWED

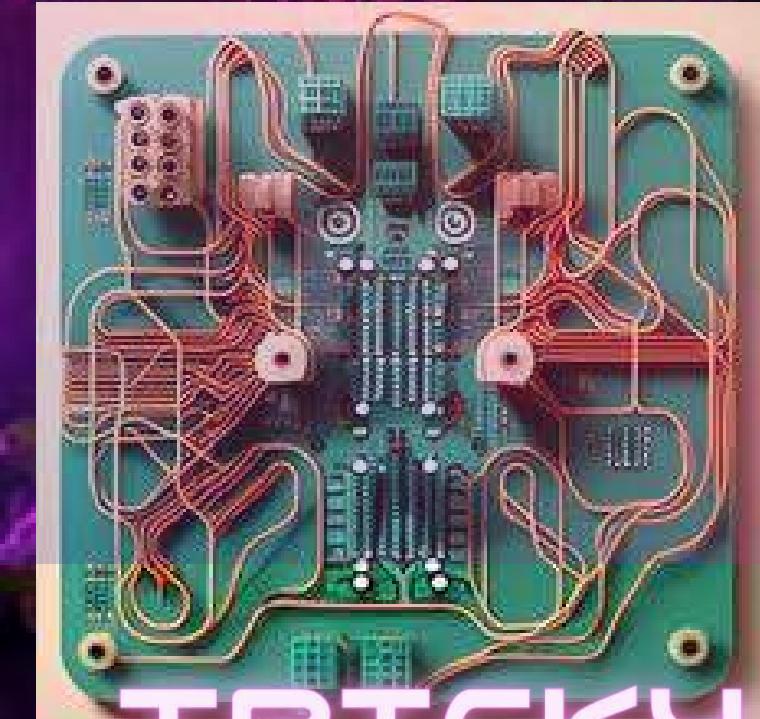
EXPLOITING THE POWER OF A STREET GATHERING, NUKKAD OR STREET PLAYS HAVE BEEN THE MEDIUM OF THE VOICE OF THE PEOPLE FROM TIME IMMEMORIAL. NOW BE A PART OF THIS TRADITION AND STRIVE TO BRING ABOUT CHANGE BY TAKING PART IN NUKKAD,



NUKKAD



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TRICKY CIRCUIT

THERE WILL BE 2 PARTICIPANTS IN EACH TEAM THERE WILL BE A LOTTERY SYSTEM IN WHICH EACH TEAM IS ASKED TO CHOOSE A TOKEN WHICH DECIDES THE CIRCUIT TO BE DRAWN PARTICIPATING TEAMS HAVE TO COMPLETE.

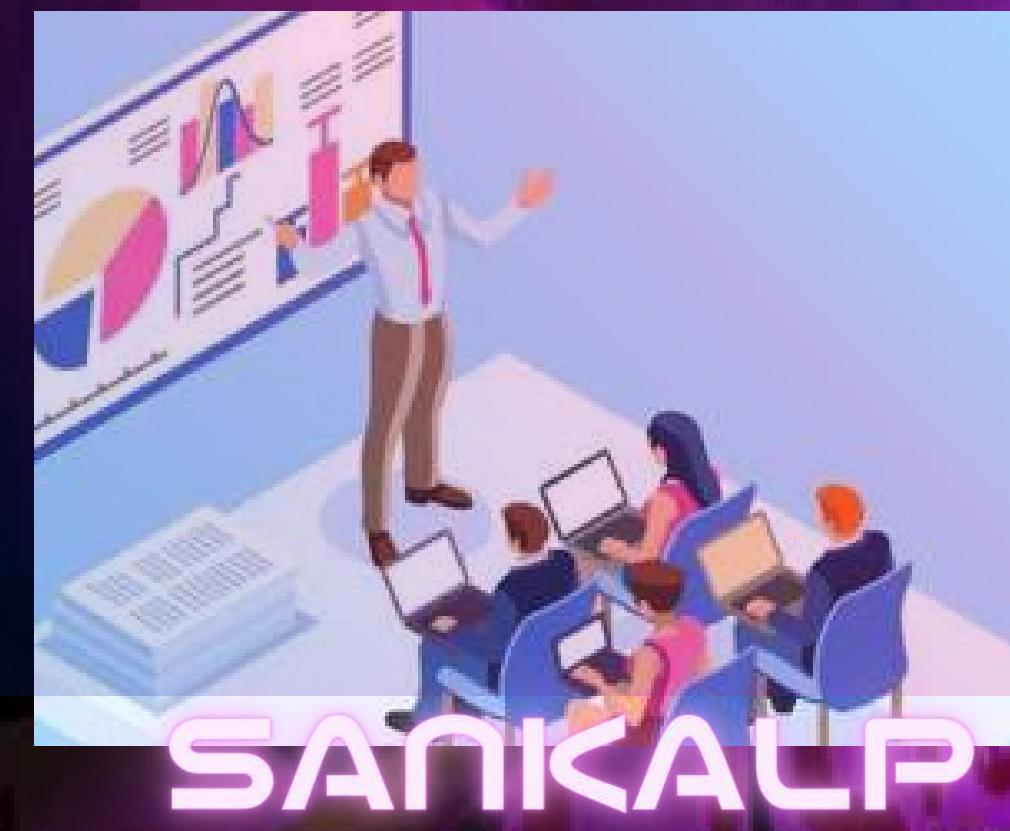


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25 - 28 JAN 2k24



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IN SANKALP, THE PARTICIPANTS WILL PRESENT THEIR UNIQUE IDEAS, THESE IDEAS MAY BE STARTUP RELATED, OR ANY OTHER B-PLAN THAT THEY CAN EXECUTE AND IMPLEMENT IF GIVEN AN OPPORTUNITY TO DO SO.

A TEAM WILL CONSIST OF THREE MEMBER, WHO REPRESENTING THEIR RESPECTIVE COLLEGE. NO EXCHANGE OF STUDENT UNDER ANY CIRCUMSTANCES OTHERWISE IT MAY CAUSE DISQUALIFICATION. EACH TEAM WILL USE A SINGLE WORKSTATION PROVIDED BY THE COLLEGE. PROGRAMMING LANGUAGE INCLUDES(C/C++/JAVA/PYTHON).



COMPETITIVE PROGRAMMING



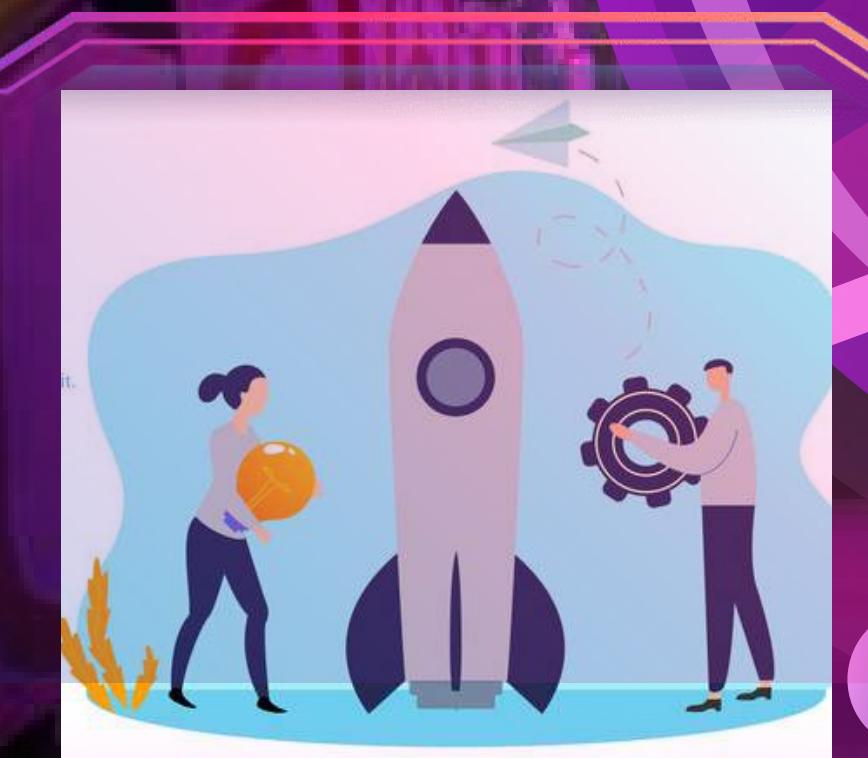
FORENSIC HACKATHON

MINIMUM TWO (2) AND MAXIMUM FOUR (4) MEMBERS IN A TEAM. LAPTOP WITH MINIMUM 4GB RAM AND 500 GB HARD DISK. MCQ TEST ROUND - (10 QUESTIONS). QUESTION - ANSWER ROUND - (4 QUESTIONS). FORENSIC TASK CHALLENGE ROUND - (4 QUESTIONS)

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IT'S A GREAT OPPORTUNITY FOR BOTH SCHOOL AND COLLEGE STUDENTS TO SHOWCASE THEIR IMAGINATION IN A MODEL. THE STUDENTS HAVE TO GIVE A BEAUTIFUL AND DETAILED EXPLANATION OF THEIR MODELS TO ALL THE JUDGES. THEY ARE REQUIRED TO PREPARE AND PRESENT THE THEORY AND CONCEPT BEHIND THE PROJECT.



PRASTUTI



SURVEYING

THE ABILITY OF AN ENGINEER TO QUICKLY AND ACCURATELY ANALYZE A SITE IS VERY IMPORTANT WHETHER ANALYZING PRE-CONSTRUCTION CONDITIONS OR COMBATING A PROBLEM DURING CONSTRUCTION. THE OBJECTIVE OF THIS EVENT IS TO PROVIDE PARTICIPANTS WITH AN OPPORTUNITY TO WORK IN A TEAM ENVIRONMENT, COLLABORATE WITH LIKE-MINDED INDIVIDUALS,



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GROUP DANCE
COMPETITION
CELEBRATING DIVERSE
ART AND CULTURES
THROUGH VIBRANT AND
COORDINATED
PERFORMANCES.

ARITYAKALA

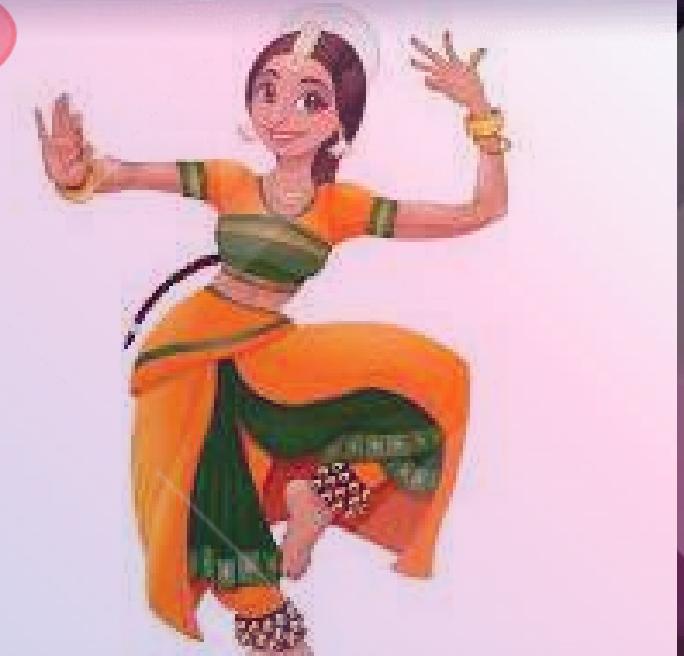
EXTEMPORE

EXTEMPORE IS A DEBATE COMPETITION EVENT. A FORMAL DEBATE INVOLVES TWO SIDES: ONE SUPPORTING A RESOLUTION AND ONE OPPOSING IT.



SANSKRITI

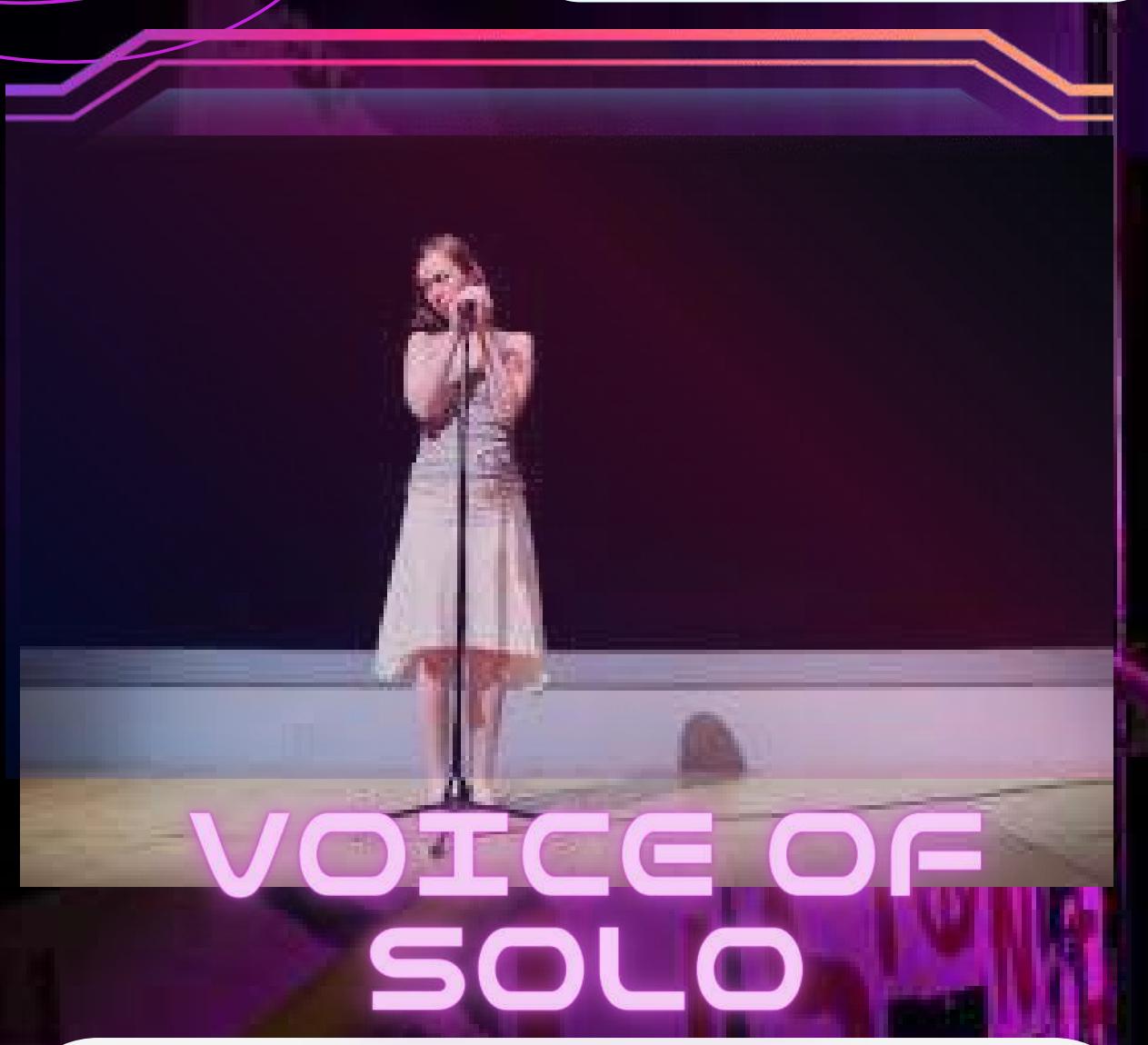
CLASSICAL SOLO DANCE
COMPETITION WHERE
FUSION OF TRADITION
AND INNOVATION,
EMBODYING THE ESSENCE
OF CULTURAL GRACE
THROUGH RHYTHMIC
MOVEMENTS.





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HINDI SINGING COMPETITION HIGHLIGHTING INDIVIDUAL VOCAL TALENTS IN SOULFUL SOLO PERFORMANCES.

INTENSE COMPETITION WHERE PARTICIPANTS ENGAGE IN RHYTHMIC AND LYRICAL BATTLES SHOWCASING THEIR RAP SKILLS.

RAP BATTLE



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INSTRUMENTAL

SHOWCASING MUSICAL PROWESS THROUGH INSTRUMENTAL PERFORMANCES ACROSS VARIOUS GENRES.



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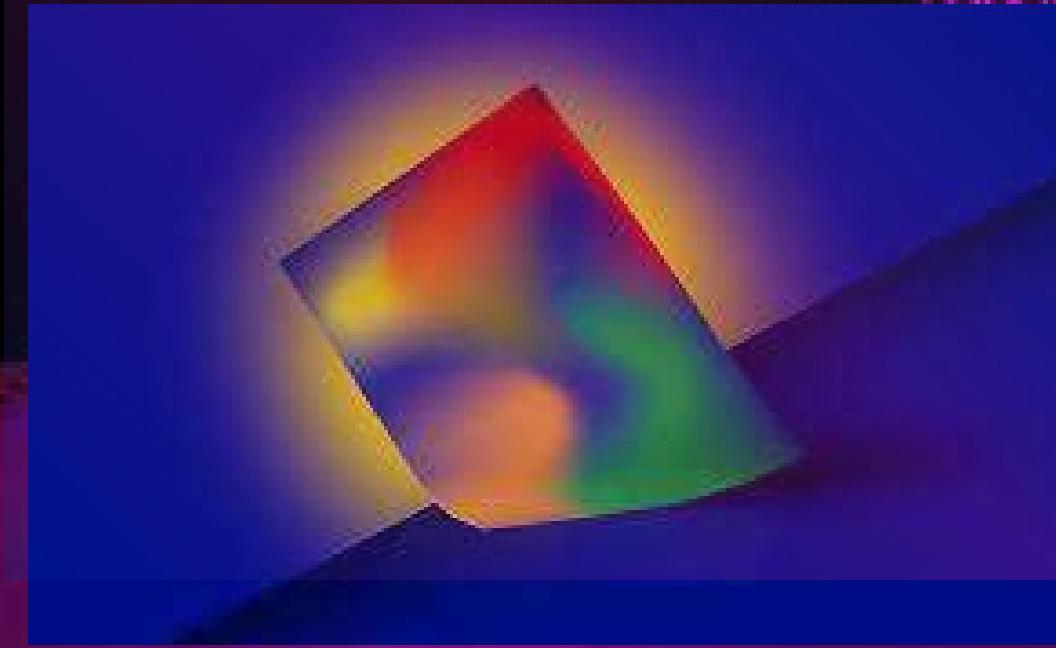


ARZ KIYA HAI

POETRY COMPETITION PROVIDING A PLATFORM FOR PARTICIPANTS TO EXPRESS THEMSELVES THROUGH ELOQUENT VERSES.

GRAPHIC DESIGNING COMPETITION CHALLENGING PARTICIPANTS TO SHOWCASE THEIR DIGITAL CREATIVITY AND DESIGN SKILLS.

GRAPHIC WAR



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TRUE SHADES

CHARCOAL PAINTING COMPETITION SHOWCASING ARTISTIC EXPRESSIONS AND CREATIVITY IN SHADES OF BLACK AND WHITE.





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25 - 28 JAN 2k24



CURTAIN RAISER

STAGE PLAY
COMPETITION FEATURING
COMPELLING NARRATIVES
AND ENGAGING
PERFORMANCES.

THE GOAL OF THE COMPETITION IS TO TEST THE TEAMS' KNOWLEDGE OF SEISMIC DESIGN PRINCIPLES, AS WELL AS THEIR ABILITY TO APPLY THOSE PRINCIPLES IN A REAL-WORLD CONTEXT

SEISMIC DESIGN



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CINEMATOGRAPHY

COMPETITION FOCUSING ON THE ART AND SKILL OF CAPTURING COMPELLING VISUALS AND STORYTELLING THROUGH FILM.

+PRIZE MONEY
WORTH

200K+



[EXPLORE MORE](#)



EXPLORE MORE



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TECHFUSION

THE INTER COLLEGE TECHNICAL CUM CULTURAL FEST OF KEC,KATIHAR

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**INVITING ALL STUDENTS FROM ALL COLLEGES OF
BIHAR WHERE IDEAS CONVERGE AND TECHNOLOGIES DIVERGE**



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