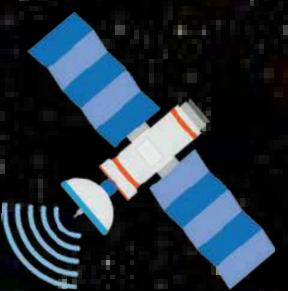




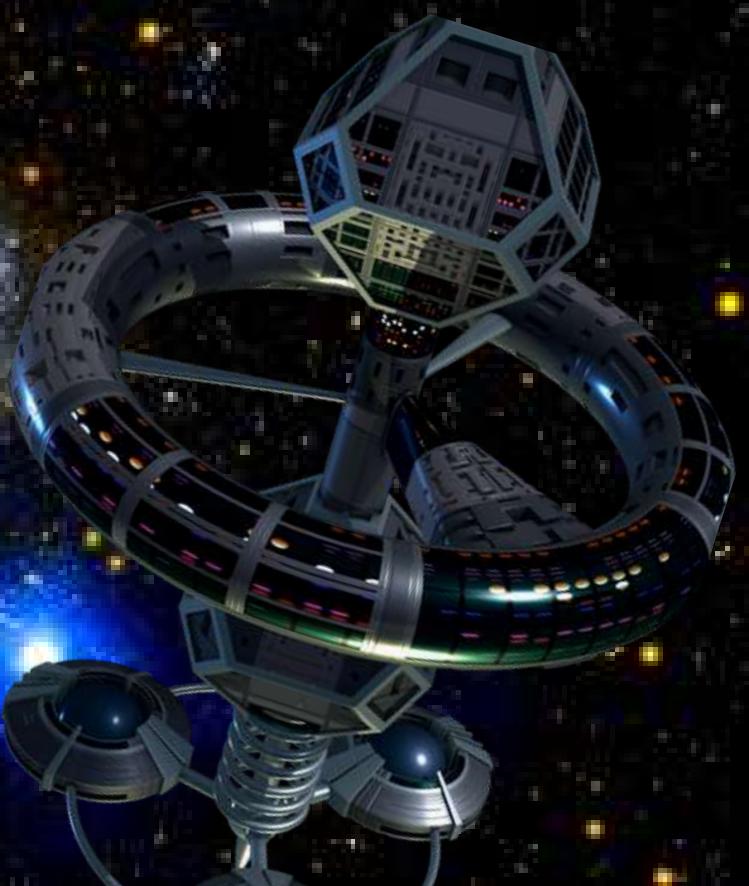
# TECHFEST'24

THE INTER COLLEGE TECHNICAL CUM CULTURAL FEST OF KEC,KATIHAR

22-26 JAN 2k24



EVENT BROCHURE





# TECHFEST'24

22 - 26 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.

**TECHFEST'24 is a 5-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. TECHFEST is all about students coming together, to experience the beauty of technology merged with fun**

# TECHFEST'24

22 - 26 JAN 2k24

ROBO WAR

LFR

HURDLE MANIA

HACKATHON

BUG HUNTING

EVENTS

ROBO SOCCER

\*BOAT A MAZE

ROBO RACE

RC PLANE

AUTO CAD



# TECHFEST'24

22 - 26 JAN 2k24

## SURVEYING

## BRIDGE MAKING

## PHOTOGRAPHY

## BGMI

## THRUST

## EVENTS

## SEISMIC DESIGN

## ARMS STRONG

## E-CHESS

## NUKKAD

## CROSSWORD



# TECHFEST'24

22 - 26 JAN 2k24

## QUIZ

### TRICKY CIRCUIT

### ARDUINO EFFECT

### SOLID WORK

### PRASTUTI

### CP

### BLIND CODING



# TECHFEST'24

22 - 26 JAN 2k24

NIRTYA KALA

BEAT THE STREET

VOICE OF SOLO

RAP BATTLE

INSTRUMENTAL

EVENTS

CURTAIN RAISER

SWANG

VISMIRITI



# TECHFEST'24

22 - 26 JAN 2k24

ARZ KIYA HAI

TRASHION

TRUE SHADES

EVENTS

DEEWAR

GRAPHIC WAR

CINEMATOGRAPHY



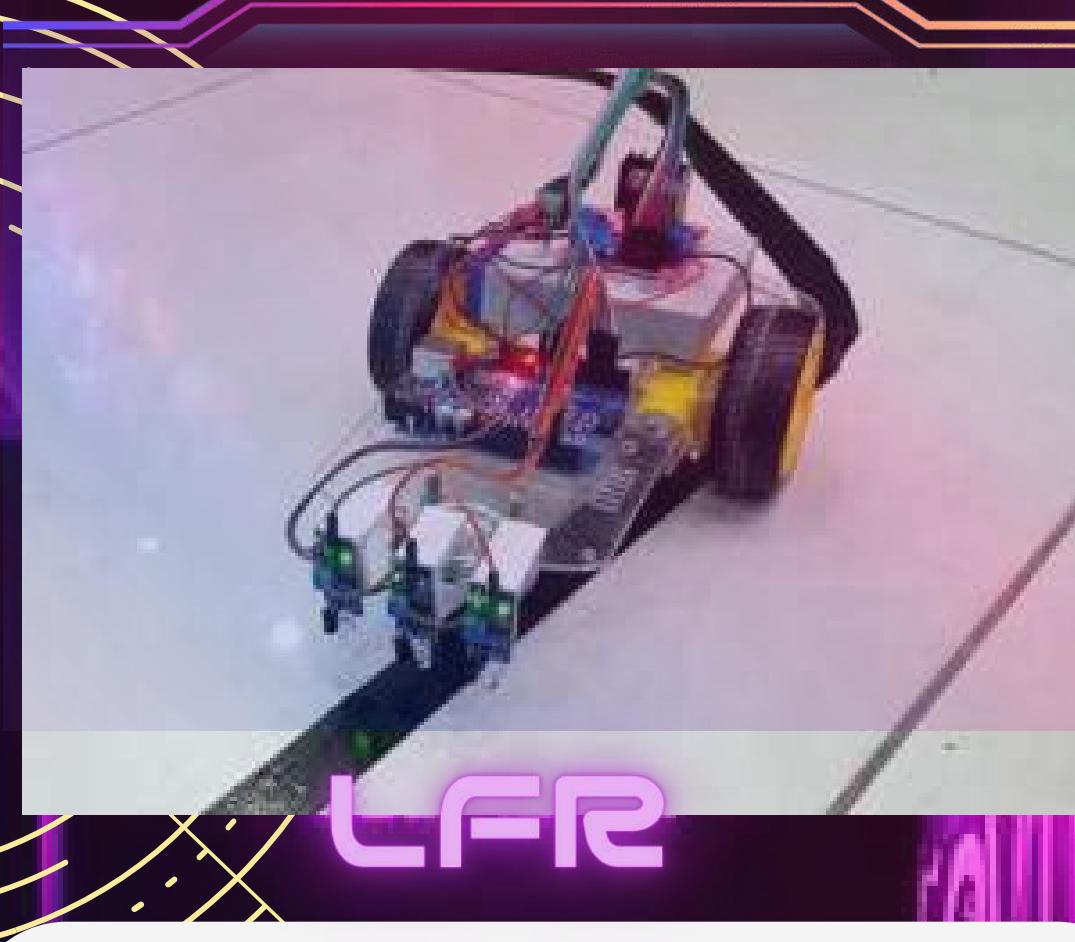
# TECHFEST'24

22 - 26 JAN 2k24



## ROBO WAR

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



## LFR

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





# TECHFEST'24

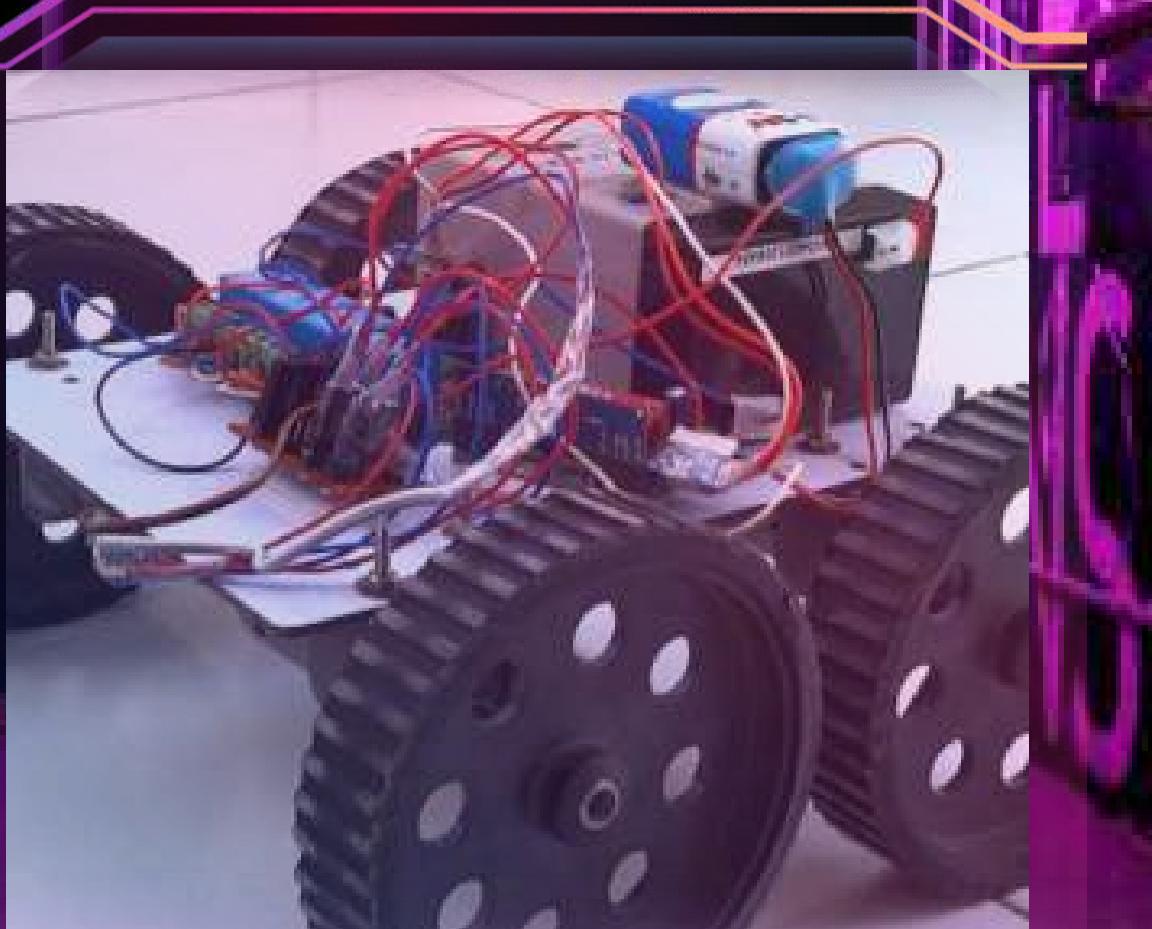
22 - 26 JAN 2k24



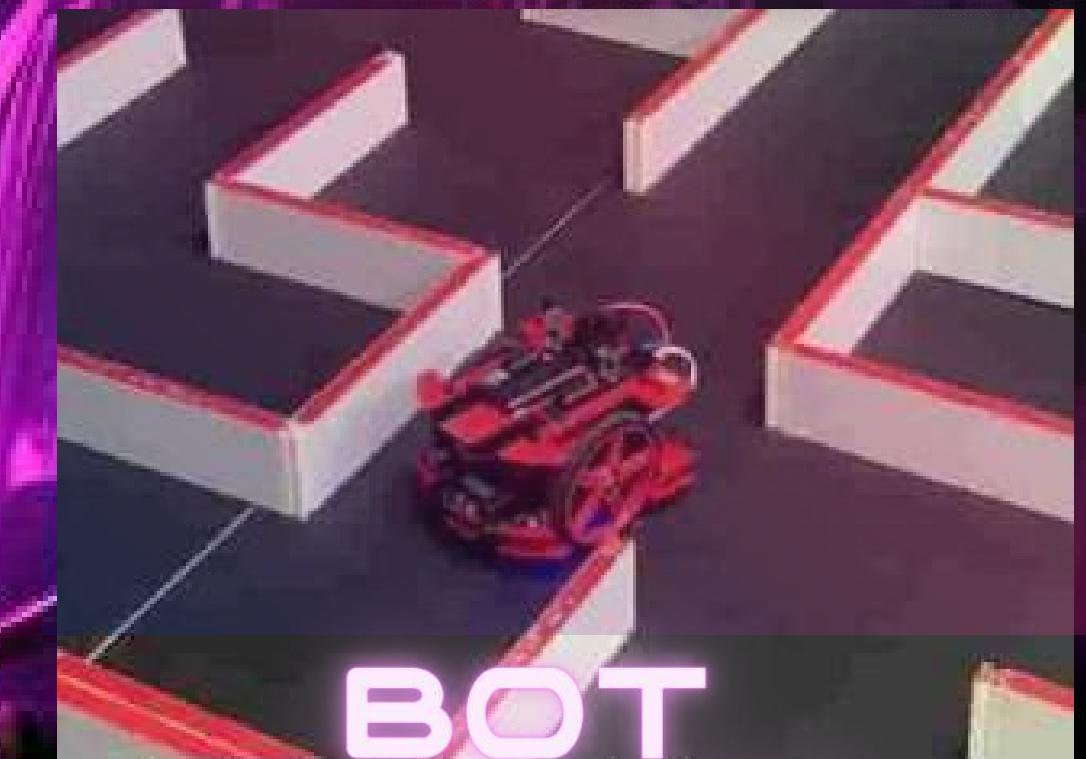
## ROBO SOCCER

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 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.

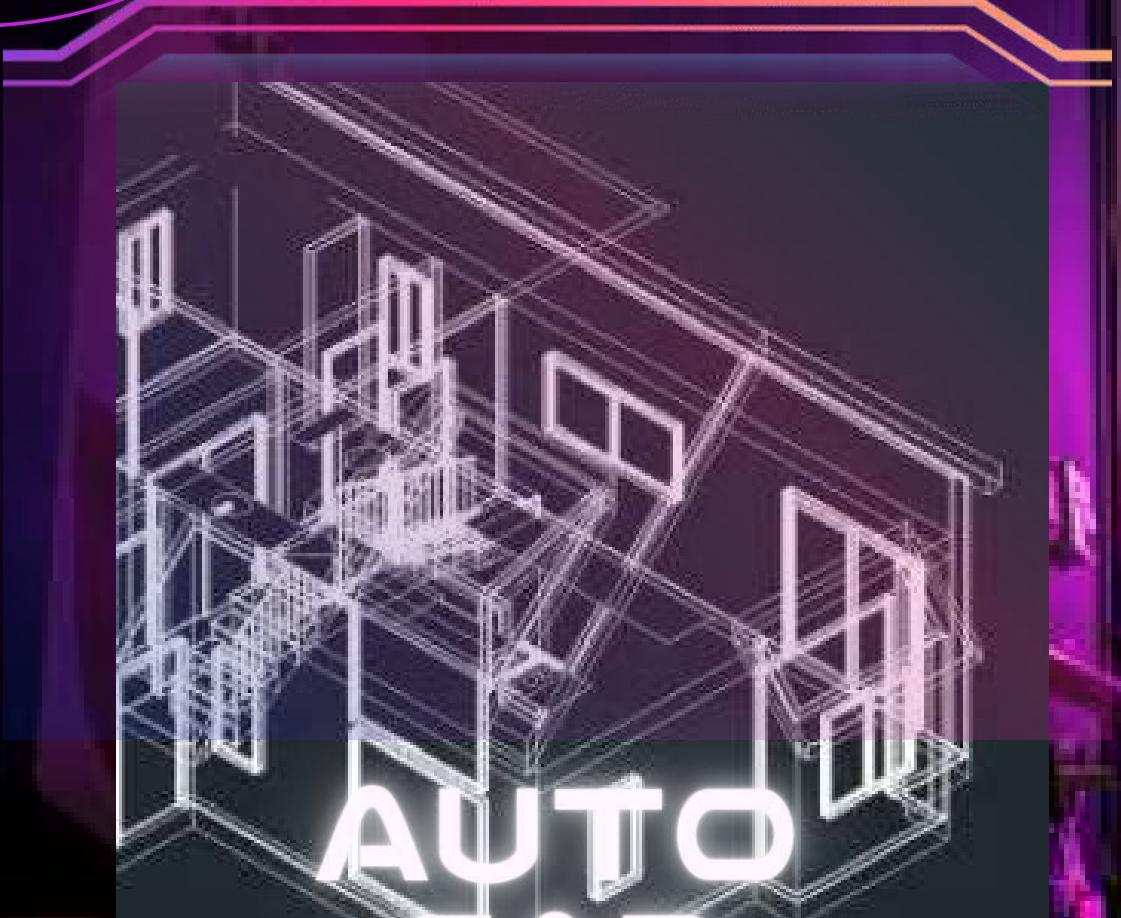


DEBUGGING IS THE PROCESS OF FINDING AND FIXING BUGS IN THE SOURCE CODE OF ANY SOFTWARE.



# TECHFEST'24

22 - 26 JAN 2k24



## 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



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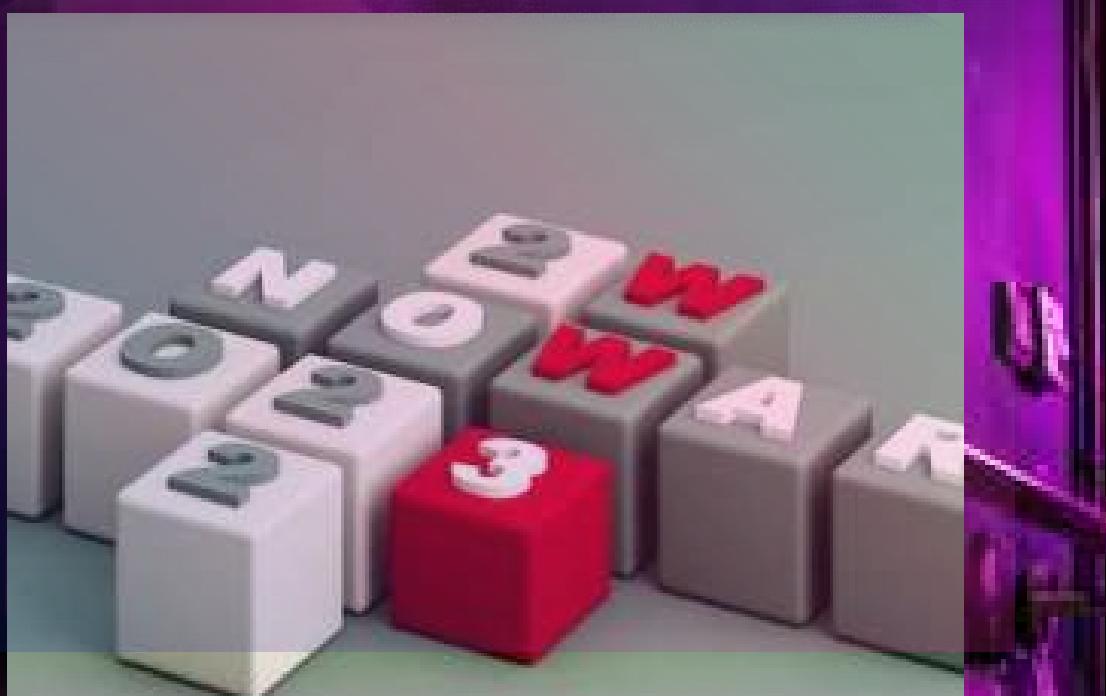
## BGMI

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 !



## 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



# TECHFEST'24

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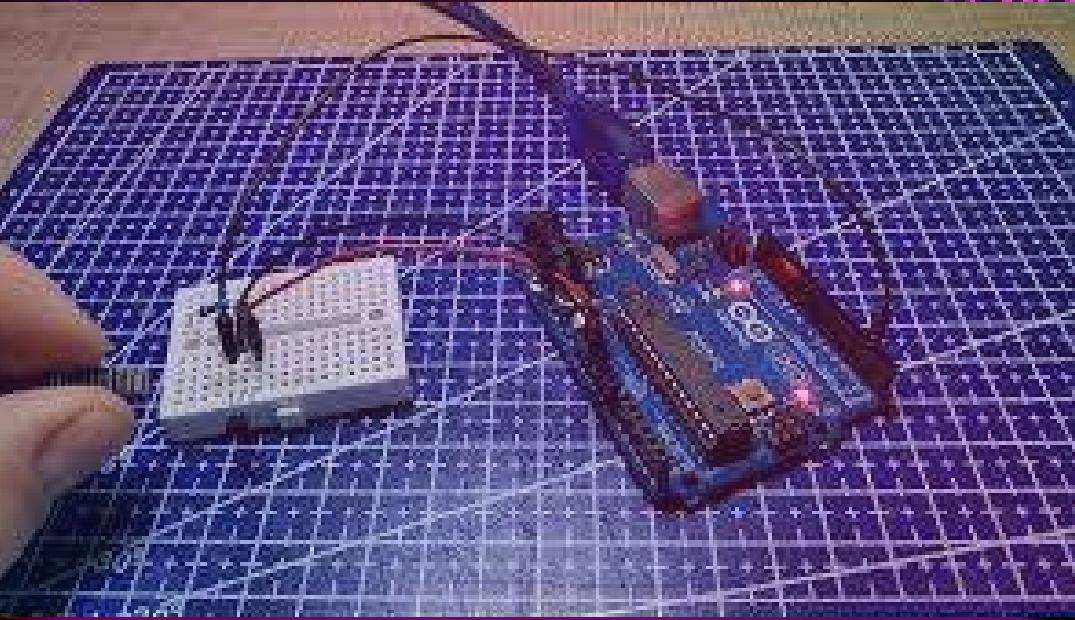
## QUIZ

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

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.



## AURDUINO EFFECT



## 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.

22 - 26 JAN 2k24



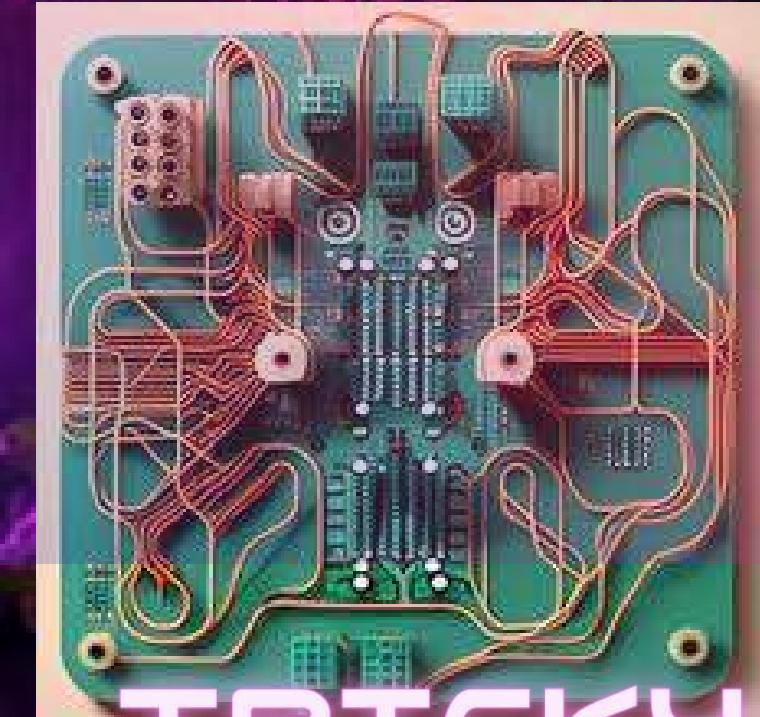
## PHOTOGRAPHY

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, ONE OF THE MOST ACCLAIMED STREET PLAY COMPETITIONS IN INDIA



## NUKKAD



## 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. THE CIRCUIT WITHIN THE SPECIFIED TIME

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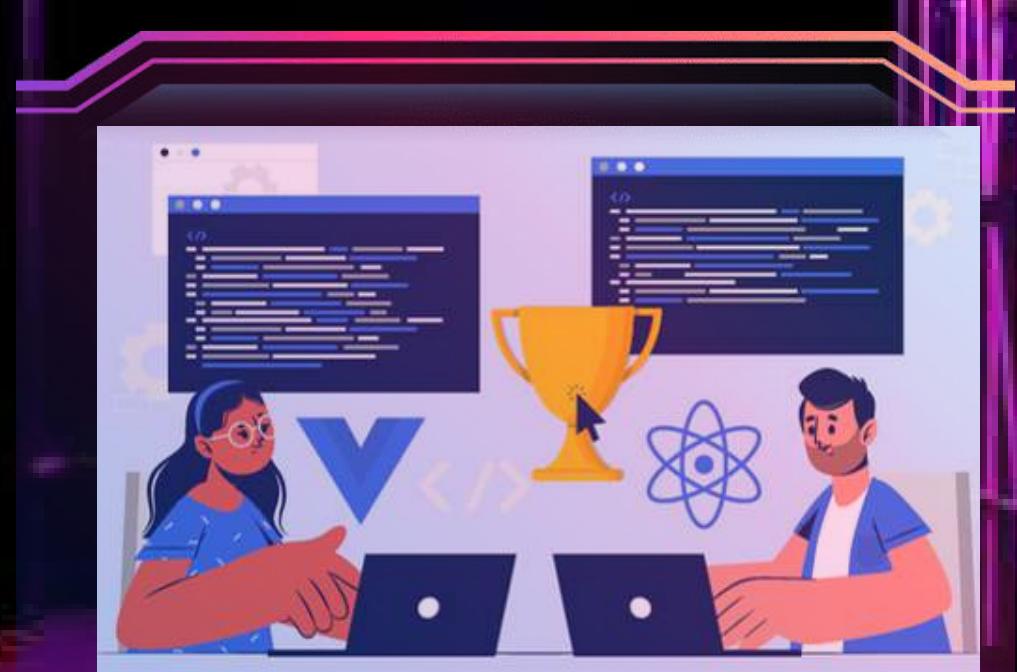


## SOLID WORKS

THIS CHALLENGE OFFERS AN OPPORTUNITY TO ALL THE SOLIDWORKS USERS AND DESIGN ENTHUSIASTS TO SHOWCASE THEIR DESIGN SKILLS AND CREATIVITY AND WIN EXCITING PRIZES.

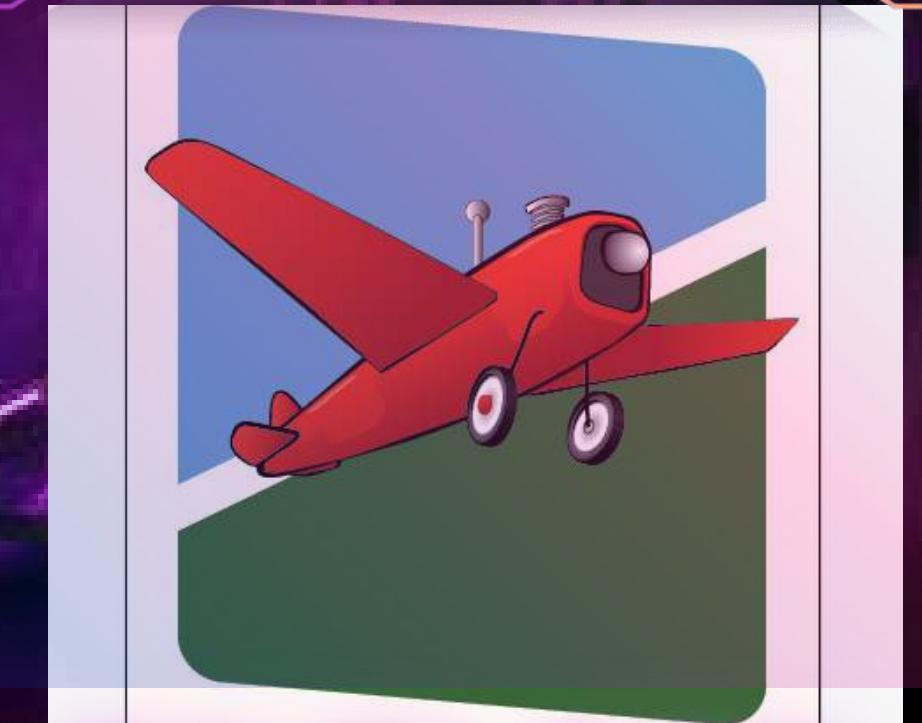
## COMPETITIVE PROGRAMMING

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).



## RC PLANE

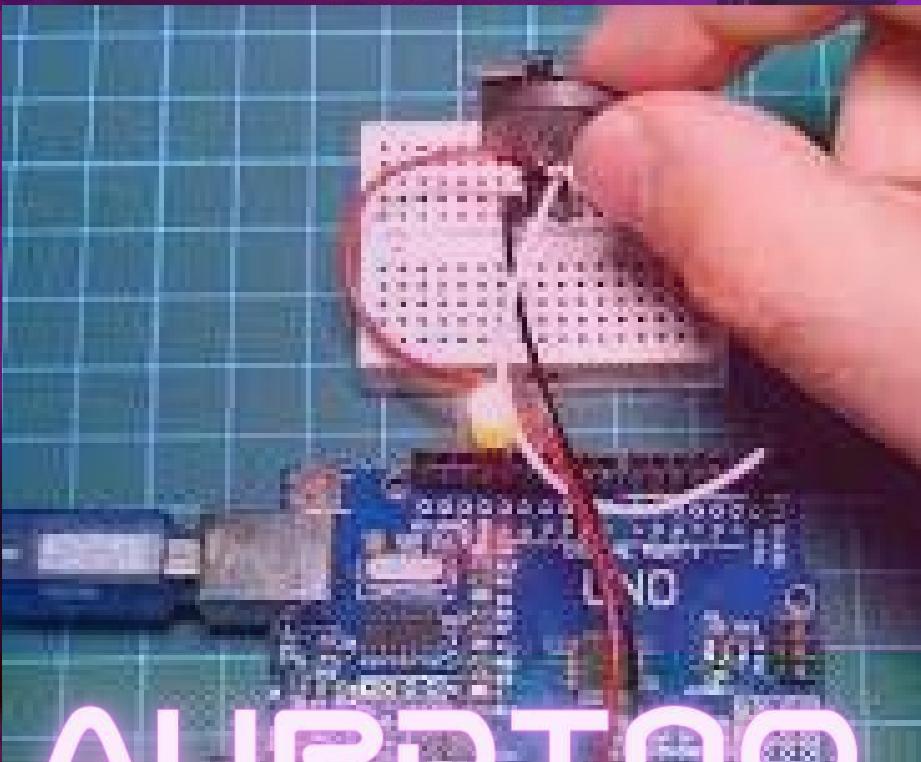
A RADIO-CONTROLLED AIRCRAFT (OFTEN CALLED RC AIRCRAFT OR RC PLANE) IS A SMALL FLYING MACHINE THAT IS CONTROLLED REMOTELY BY AN OPERATOR ON THE GROUND USING A HAND-HELD RADIO TRANSMITTER.



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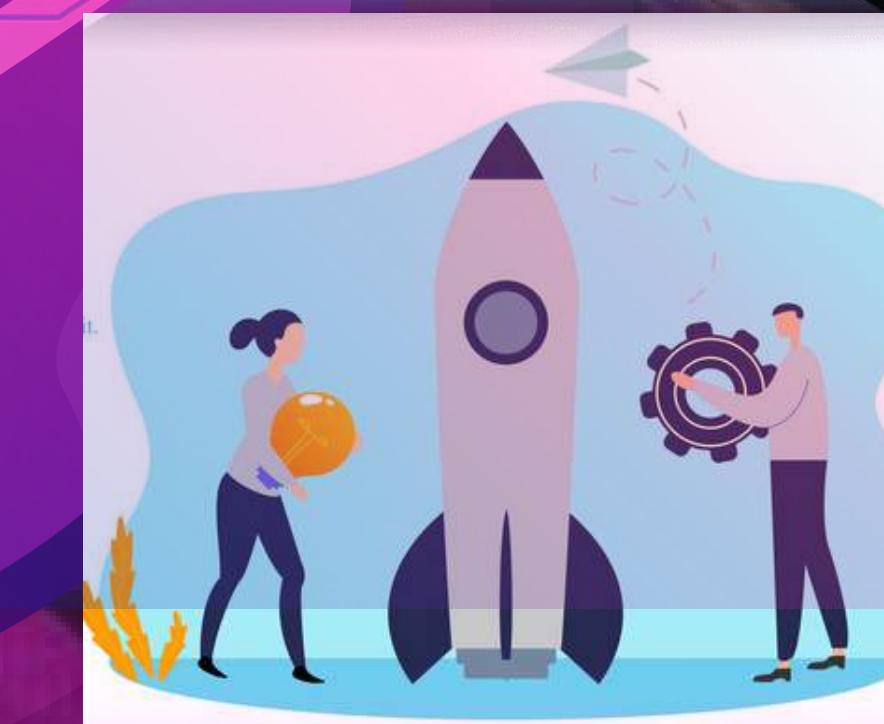
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## AURDINO EFFECT

THE ARDUINO EFFECT COMPETITION 2024, WILL BE CONDUCTED ON 24/01/2024. IT CONSIST BASICALLY A PROJECT BASED ON ARDUINO. EACH TEAM WILL CONSIST OF AT MOST FOUR MEMBERS FROM A PARTICULAR COLLEGE.

TWO TO FOUR STUDENTS FORM A TEAM. THE TEAM DECIDES ON THE DETAILED OUTLINE OF THE PRESENTATION. NAME OF PARTICIPANTS APPEARS IN CERTIFICATE WILL BE ACCORDING TO THE NAME ON THE REGISTRATION FORM.



## PRASTUTI

# TECHFEST'24

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## NIRTYAKALA

CLASSICAL DANCE  
COMPETITION  
SHOWCASING  
TRADITIONAL DANCE  
FORMS WITH GRACE AND  
PRECISION.

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

## SAANSKRITI



## BEAT OF THE STREET

HIP-HOP DANCE  
COMPETITION WHERE  
PARTICIPANTS  
SHOWCASE THEIR  
SKILLS IN STREET  
DANCE STYLES.



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## VOICE OF SOLO

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

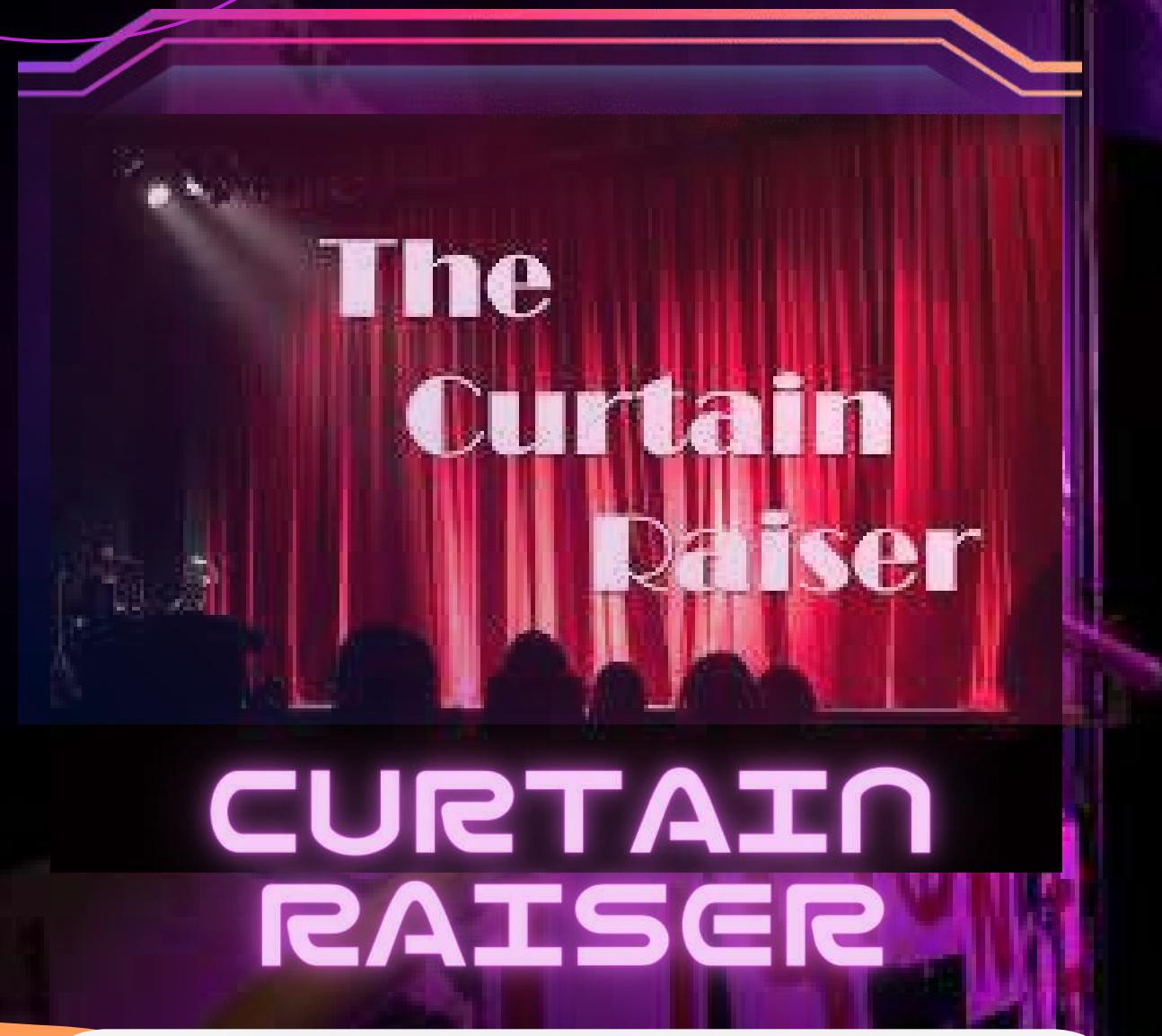
INTENSE COMPETITION WHERE PARTICIPANTS ENGAGE IN RHYTHMIC AND LYRICAL BATTLES SHOWCASING THEIR RAP SKILLS.

## RAP BATTLE



## INSTRUMENTAL

SHOWCASING MUSICAL PROWESS THROUGH INSTRUMENTAL PERFORMANCES ACROSS VARIOUS GENRES.



STAGE PLAY  
COMPETITION FEATURING  
COMPELLING NARRATIVES  
AND ENGAGING  
PERFORMANCES.

MONO ACT COMPETITION  
WHERE PARTICIPANTS  
CAPTIVATE THE  
AUDIENCE WITH SOLO  
DRAMATIC  
PERFORMANCES.

**SWANG**

Swang - Monoact  
Competition

**VISMIRITI**

MIME COMPETITION  
WHERE PARTICIPANTS  
CONVEY STORIES AND  
EMOTIONS THROUGH  
SILENT AND EXPRESSIVE  
PERFORMANCES.



# TECHFEST'24

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

CREATIVITY ON DISPLAY  
AS PARTICIPANTS  
TRANSFORM WASTE  
MATERIALS INTO  
INNOVATIVE AND STYLISH  
CREATIONS.

## TRASHION



## TRUE SHADES

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

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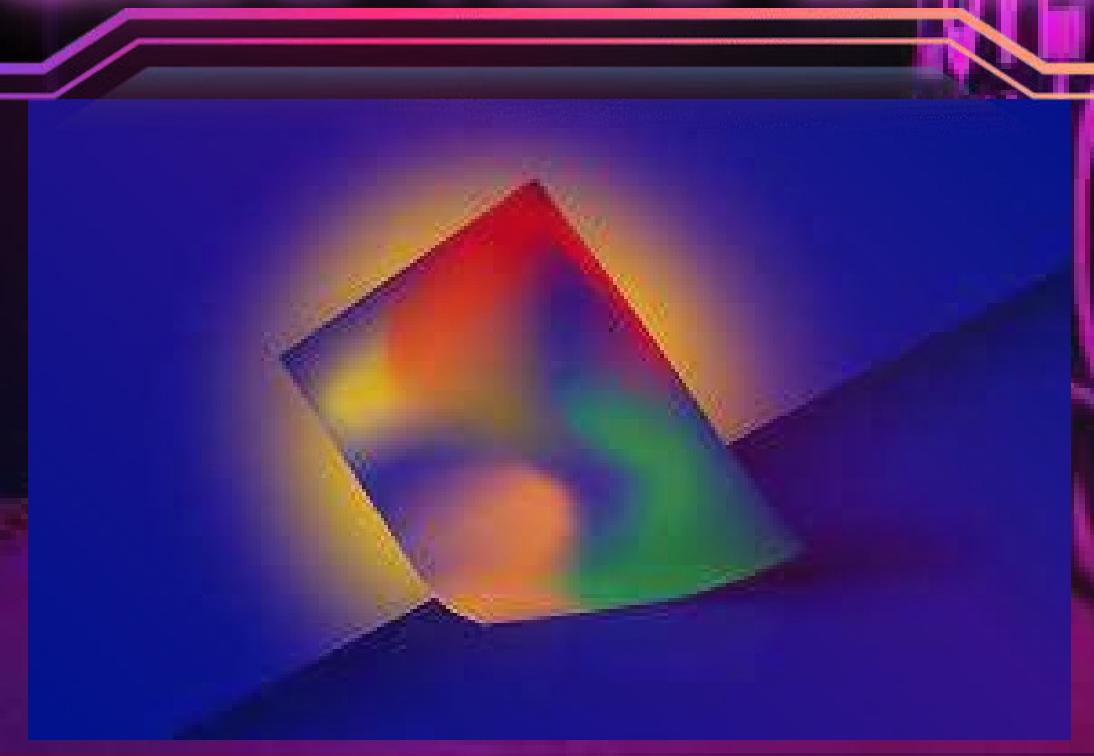


## DEEWAR

GROUP WALL PAINTING  
COMPETITION  
CREATING  
COLLABORATIVE AND  
VISUALLY STUNNING  
MURAL ARTWORKS.

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

## GRAPHIC WAR



## CINEMATOGRAPHY

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





**EXPLORE MORE**

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# TECHFEST'24

THE INTER COLLEGE TECHNICAL CUM CULTURAL FEST OF KEC,KATIHAR

**22 - 26 JAN 2k24**

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



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