



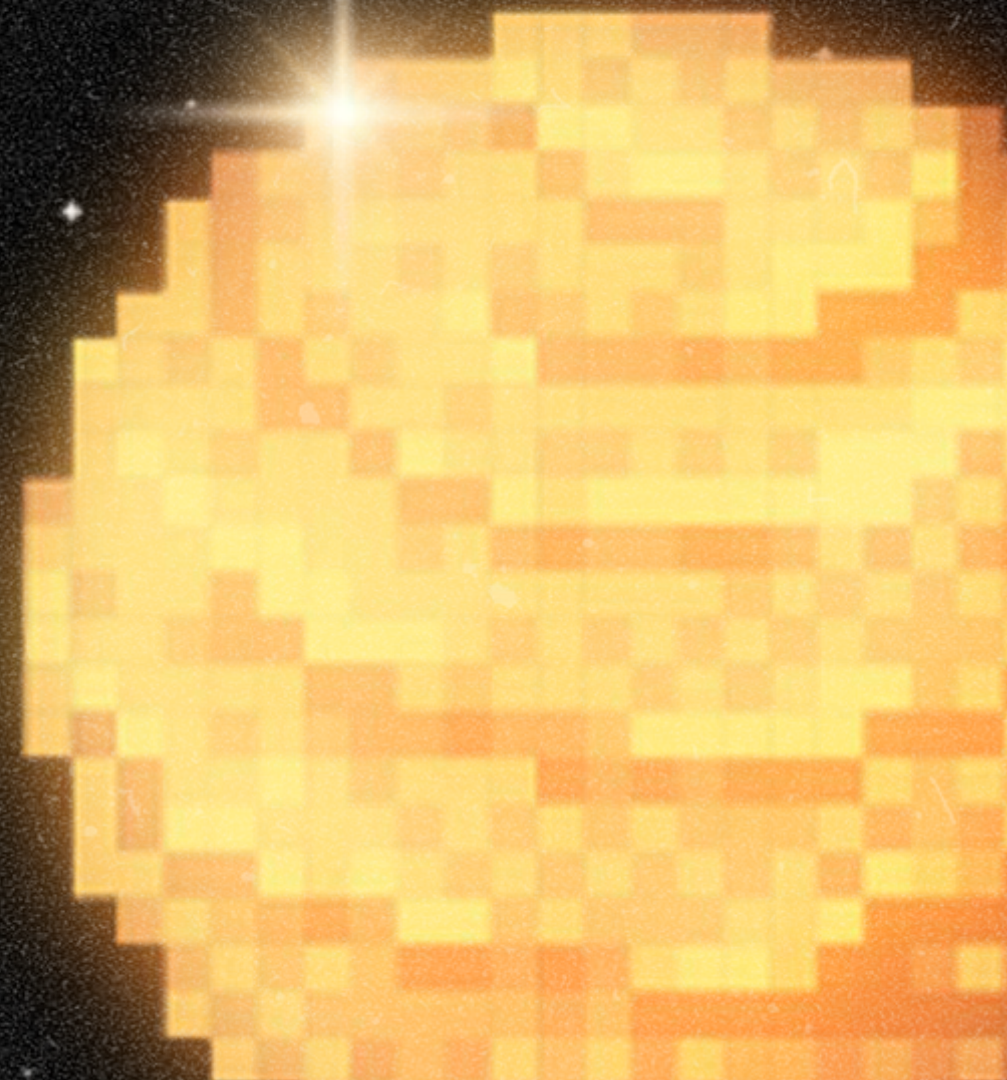
ATMOS

ASTRAL  ARCADE

8TH - 10TH NOV 2024

# CONTENTS

- **ATMOS AT A GLANCE**
- **DIRECTOR'S DESK**
- **HEADLINER EVENTS**
- **ATMOS'24 EVENTS**
- **ATMOS'24 WORKSHOPS**
- **RECREATIONAL ACTIVITIES**
- **PROSHOWS**



Since its inception in 2012, ATMoS, a yearly national-level techno-management festival run by the BITS Pilani, Hyderabad Campus (BPHC), has experienced tremendous growth in popularity. Year after year, we keep pushing our limits and striving for more. This festival, formally named as the Assimilation of Technically Motivated Souls but more commonly abbreviated as ATMOS, attempts to identify young people with technical and managerial talent.

The festival is renowned for shedding light on modern technical trends, management, and finance through interactive workshops, challenges, and quizzes. Not only is ATMoS educational but also enjoyable and amusing. Some of the best ATMoS events include Tech-related workshops from every possible branch of science and management, Tech-related seminars, and competitions challenging some of the country's sharpest minds to prove their technical expertise. Moreover, adding to all this intellect, we have some amazing Pro shows and DJ Nights. the festival's interdisciplinarity, and the faculty's and students' active participation



**ATMOS AT A GLANCE**

# FROM THE DIRECTOR'S DESK



PROF. SOUMYO MUKHERJEE

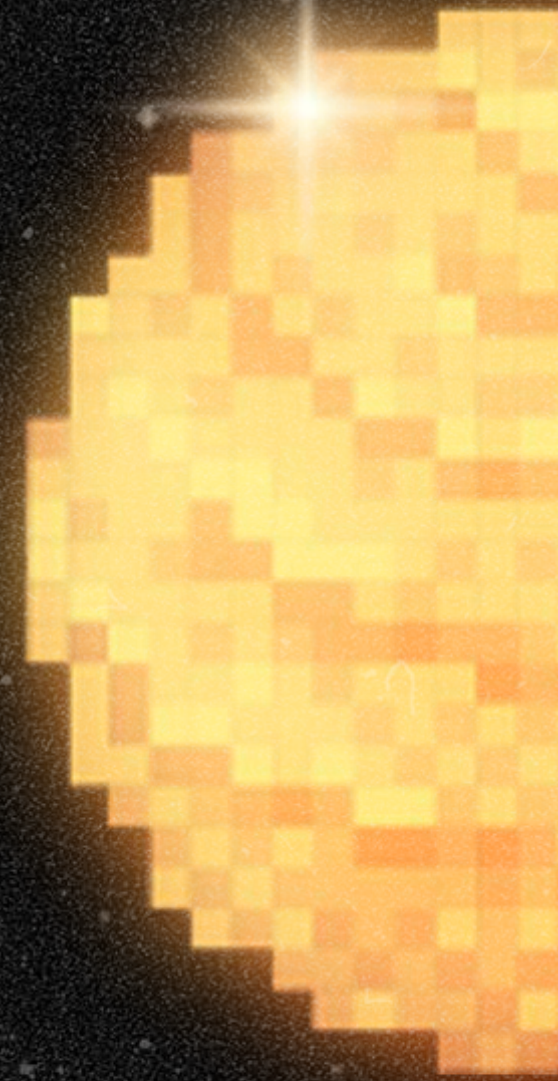
It gives me immense pleasure to inform you of the twelfth edition of an exclusive technical cum management festival organized by the students of the Hyderabad campus of Birla Institute of Technology and Science, ATMoS 2024. The students of the campus have limitless levels of inquisitiveness and motivation. This is proven with their aptitude, their attitude and their quest for scientific and technical knowledge. The high-spiritedness to successively evolve every year has brought forth this idea to explore new horizons, introducing a new dimension of management events as a part of ATMoS '24.

From interactive learning experiences in the form of guest lectures and workshops that open doors for students to witness what this modern world of technology has to offer, to testing the technical mettle of students across the country with an array of activities and events, ATMOS is an amazing opportunity for any inquisitive mind to know of his true potential and achieve it with an exponential growth in experience and knowledge.



# HEADLINER EVENTS

LEFT PLAYER START SELECT GAME RIGHT PLAYER START

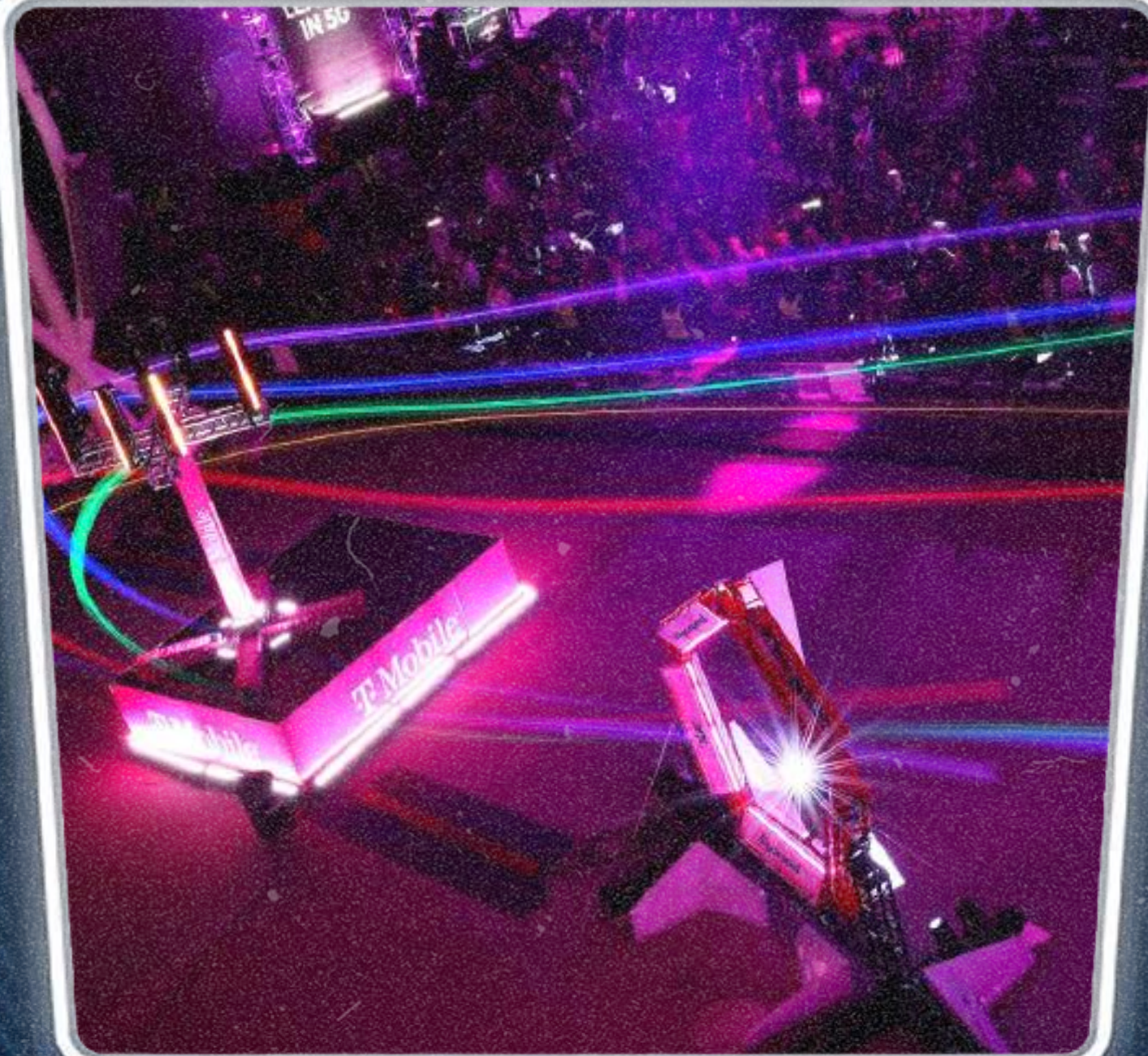


# ROBOWARS

This event is for those who are passionate about bots or like to watch things get crushed in fierce competition. The path to glory passes through the alley of destruction, lethal combats, violent bots, and flying blades! Merge your technical know-how with the ferocious gladiator in every participant/team as they build their own bot to fight for the ultimate glory or land up in the junk yard!

**20+ BOTS**  
**FROM ACROSS**  
**THE COUNTRY**





# DRL

BDRL is a high-octane drone racing event which will be attended by professional FPV drivers.

This is the third time BITS Hyderabad is conducting a drone racing league with great reviews from the pilots and the general body for the first edition.

**15+ DRONES**  
**HIGHEST IN THE**  
**SOUTH INDIA**  
**CIRCUIT**



LEFT PLAYER START SELECT GAME RIGHT PLAYER START



# HACKATHON

This is a premier coding contest of BITS Pilani Hyderabad Campus conducted every year at ATMoS. You are free to code in any of a long list of languages.

There is individual participation and you will be majorly judged in mathematics and understanding and implementation of algorithms. Two rounds aim at determining the best coders present at ATMoS.

20,000+  
**ENTRIES**  
ACROSS THE WORLD



LEFT PLAYER START SELECT GAME RIGHT PLAYER START





# ATU EXPERIENCE

Get ready for the SAE BPHC Auto Expo and Time Attack Race at ATMOS '24! Eight teams will showcase their custom ATVs in a high-speed race, testing both engineering and driving skills.

After a technical inspection, the teams will race against the clock. The fastest team wins the top prize!

Don't miss this thrilling event at ATMOS '24!

10+ ATUS  
PARTICIPANTS

LEFT PLAYER START    SELECT GAME    RIGHT PLAYER START





# INNOWAVE

Innowave, a nationwide talent hunt by BITS Hyderabad, challenges young minds across India. It fosters creativity, problem-solving, and critical thinking through competitive and collaborative tasks. Innowave encourages exploration across diverse fields, promoting holistic development and preparing students for future academic and professional success. Both winners and participants receive attractive perks and rewards.

**PRIZE POOL**  
**RS. 50,000**

**PARTICIPANTS**  
**5000+**  
**ACROSS INDIA**

# CODE, CREATE, CONQUER

## WORKSHOPS

ML WORKSHOP

GENAI WORKSHOP

SMARTCONTRACTS WORKSHOP

DSA MINI BOOTCAMP

GAME DEU

DEU AND ML WORKSHOP

WEBDEU WORKSHOP

R PROGRAMMING

ML IN CORE

## COMPETITIONS

### PRIZEPOOL

CC CONTEST WITH THRILLING TWIST - 20,000

TECHFRONTIERS (HACKATHON)- 50,000

CRUXIPHER - 35,000

THE SINGULARITY - 30,000

BULID AN AGENT - 10,000

BITSAT 2.0 - 5,000

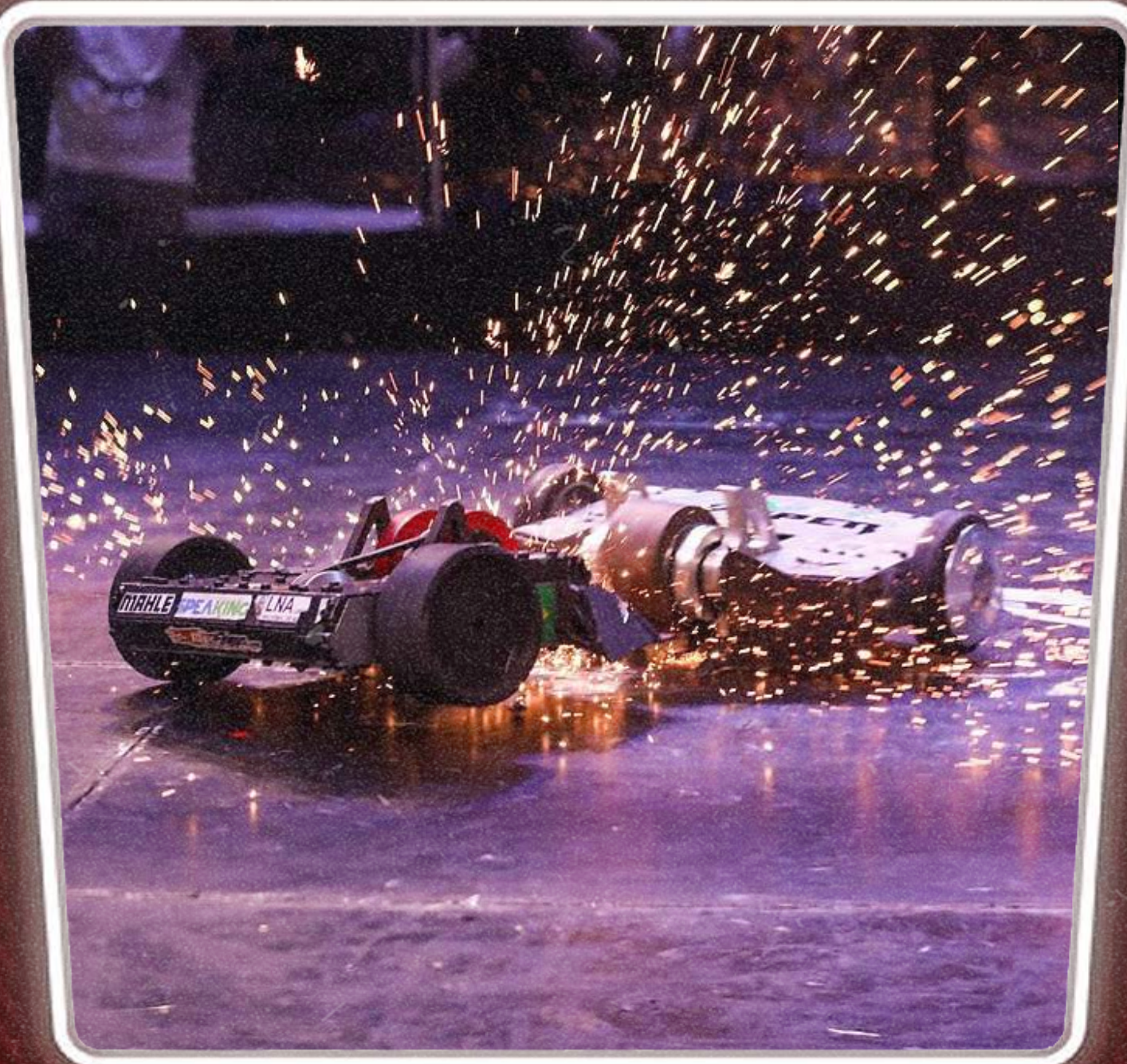


LEFT  
PLAYER  
START

SELECT  
GAME

RIGHT  
PLAYER  
START





# ROBO RUMBLE

WORKSHOPS

OPENCU

MICROMOUSE

COMPETITIONS

PRIZE POOL

DRONE RACING LEAGUE - 1,50,000

ROBOWARS - 1,50,000

ROBOSOCCER - 6,000

ROBOSUMO - 6,000

LAW FOLLOWER - 10,000

# STELLAR ODYSSEY

WORKSHOPS

STARGAZING

SOL INUICTUS: SOLAR GAZING

N-BODY SIMULATIONS

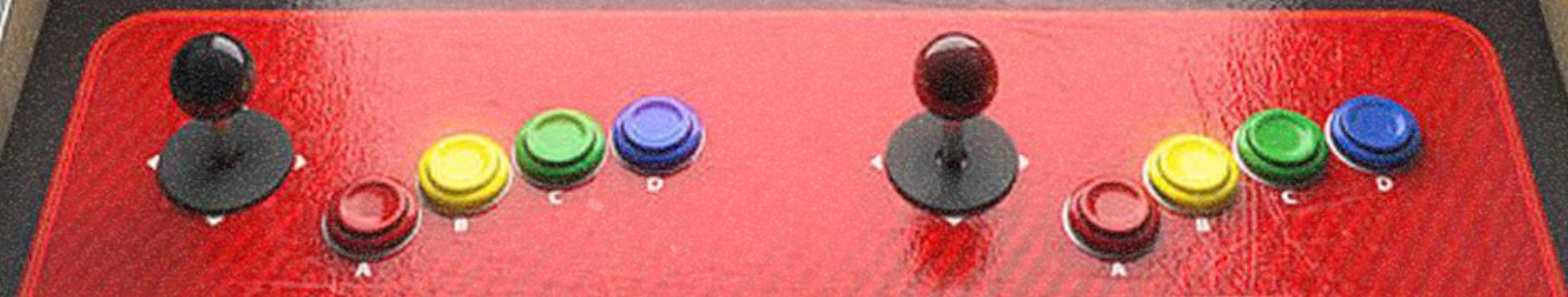
SCIFARI

COMPETITIONS

PRIZE POOL

ASTRAL ARCADE - 15,000

LEFT PLAYER START SELECT GAME RIGHT PLAYER START



# TRADE MAVERICKS

## WORKSHOPS

- COINQUEST + CRYPTOTRADING
- PRODUCT MANAGEMENT
- QUANT WORKSHOP
- ALGORITHMIC TRADING
- UNLOCKING THE STOCK MARKET (TA & FA WORKSHOP)

## COMPETITIONS

### PRIZEPOOL

- CONSULTING COMPETITION - 30,000
- PRODUCT COMPETITION - 30,000
- CUBING ATMOS - 30,000
- WALL STREET BUSINESS CHALLENGE - 50,000
- WALL STREET ANALYTICS CHALLENGE - 25,000
- BITS STOCK EXCHANGE - 25,000
- TRICK OF TRADE - 40,000
- MERGERS & ACQUISITIONS - 25,000
- PIT TRADING COMPETITION - 30,000
- VIRTUAL TRADING - 15,000





# ROCKETRY AND CIRCUITRY

## WORKSHOPS

CIRCUIT FABRICATION

MISSION ICARUS: ADVANCED ROCKET ENGINEERING

EQUILIBRIA: PID PRECISION

SEMICONDUCTOR

CANDY THRUST: THE SWEET SCIENCE OF ROCKET MOTOR

## COMPETITIONS (PRIZEPOOL)

PANDORA'S HOPE: EGG DROP CHALLENGE - 8,000

# IEEE NEXUS

## WORKSHOPS

QUANTUMVERSE VOL.2 - QISKIT FALL FEST

RAGBOT USING CHATGPT

EDGE COMPUTING NEURAL NETWORKS FOR TEMPERATURE PREDICTION

GPU WORKSHOP

AMP IT UP!

## COMPETITIONS (PRIZEPOOL)

QUANTUM COMP HACKATHON - 15,000

# CIVIL SHOWDOWN

## COMPETITIONS (PRIZEPOOL)

CONCRETE BOWLING - 5,000

EARTHQUAKE-RESISTANT BUILDING CONTEST - 12,000



# CAD & MECHANICS

## WORKSHOPS

CAD WORKSHOP + 3D PRINTING

S.A.M WORKSHOP

SUPERCARS DISPLAY EXPO

## COMPETITIONS

### PRIZEPOOL

ATU EXPERIENCE - 80,000

ROS BASED OPENCU HACKATHON - 5,000

# CHEMISTRY & CONCLAVE

## WORKSHOPS

SOAP MAKING WORKSHOP

CRYSTAL MAKING WORKSHOP

## COMPETITIONS

### PRIZEPOOL

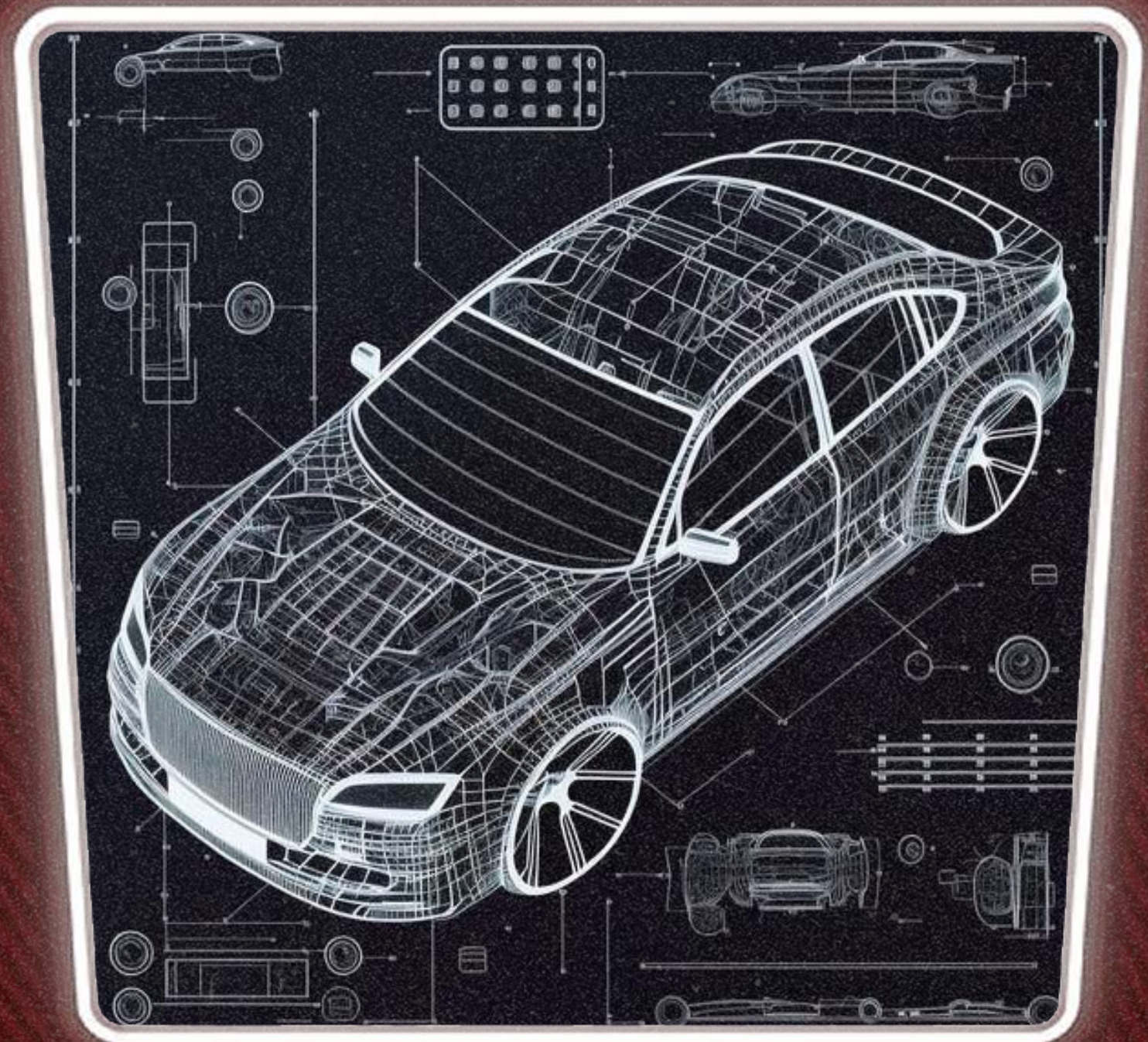
PHARMA PAPER AND POSTER PRESENTATION - 15,000

CHEMISTRY CASINO - 27,000

ANATOMY OF MURDER - 27,000

CODEENZYME - 8,000

CRIME SCENE INVESTIGATION - 20,000



# RECREATIONAL ACTIVITIES

ESCAPE ROOMS - 6,000 (PRIZE POOL)

NEON PARTY

KARAOKE

NERF WARS

GEL BLASTER SHOWDOWN

HAMMER STRIKE

ARCADE MACHINE

TREASURE HUNT

UI/UX FIGMA

POTTERY WORKSHOP

PHOTOBOOTH



# QUIZES

## PRIZEPOOL

JEOPARDY - 8,000

MIDNIGHT AU QUIZ - 4,000

INTERNET QUIZ - 7,000

SCI-TECH QUIZ - 7,000

ENIGMA - OPEN GENERAL QUIZ - 20,000

## E-CELL

SKILLIGENCE TECH WORKSHOP

BHARATUERSITY WORKSHOP + HACKATHON



PRO SHOWS!!

ARMAAN  
MALIK

SONU NIGAM

NUCLEYA

KRSNA

SHREYA  
GHOSHAL

SUNIDHI  
CHAUHAN



PAST PERFORMANCES



SAMAY RIANA

RAHUL DUA

AADITYA  
KULSHRESHTH

RAHUL  
SUBRAMANIAN

PAST COMEDIANS



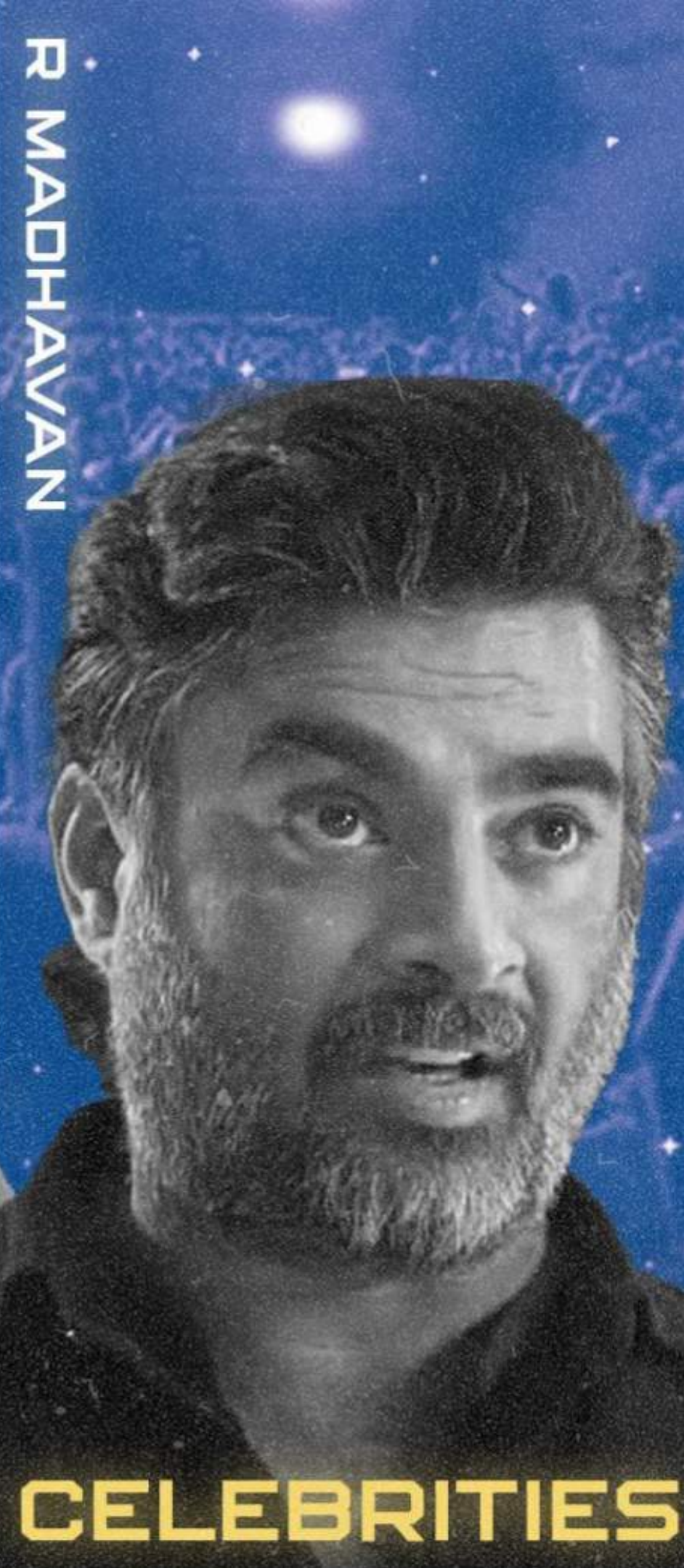
ADVITESH



NANI

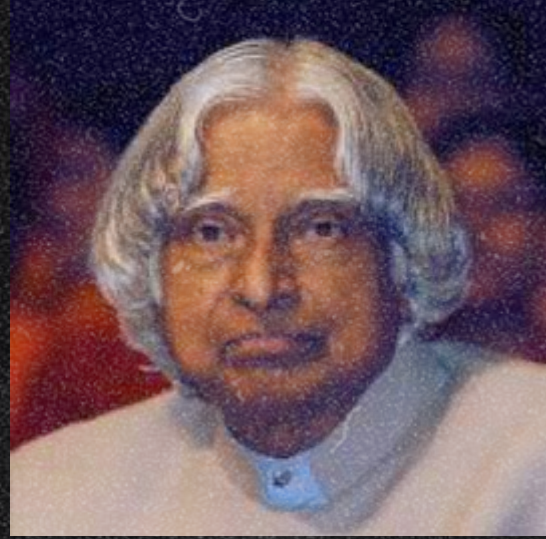


MRUNAL THAKUR



R MADHAVAN

PAST CELEBRITIES



**HIS EXCELLENCY  
DR.A.P.J ABDUL KALAM  
THE FORMER PRESIDENT  
OF INDIA**



**DR.SHASHI THAROOR,  
MEMBER OF PARLIAMENT  
LOK SABHA**



**GAURAV CHAUDHARY  
TECH YOUTUBER**



**ANAND KUMAR  
FOUNDER - SUPER 30**



**AMAN & SHRADHA  
DHATTARWAL  
APNA COLLEGE**



**A. RAJARAJAN  
DIRECTOR - SDSC**



**SANDEEP JAIN  
CEO - GEEKS FOR GEEKS**



**SABEER BHATIA  
FOUNDER - HOTMAIL**

APNA  
COLLEGE  
WISDOM

WISDOM  
APNA  
COLLEGE

# ATMOS 24

ASTRAL ARCADE

8TH - 10TH NOV 2024

**YASWANTH AMBATI**

+91 9392344036

PUBLICITY HEAD

[PUBICITYDEPARTMENT@HYDERABAD.BITS-PILANI.AC.IN](mailto:PUBICITYDEPARTMENT@HYDERABAD.BITS-PILANI.AC.IN)

**DIUYANSH GANGWAR**

+91 85340 04168

TECHNICAL SECRETARY

[TC@HYDERABAD.BITS-PILANI.AC.IN](mailto:TC@HYDERABAD.BITS-PILANI.AC.IN)

**PREETAM REDDY BASARAHALLI**

+91 63057 58220

PRESIDENT

[PRESIDENT@HYDERABAD.BITS-PILANI.AC.IN](mailto:PRESIDENT@HYDERABAD.BITS-PILANI.AC.IN)



[ATMOS@HYDERABAD.BITS-PILANI.AC.IN](mailto:ATMOS@HYDERABAD.BITS-PILANI.AC.IN)

