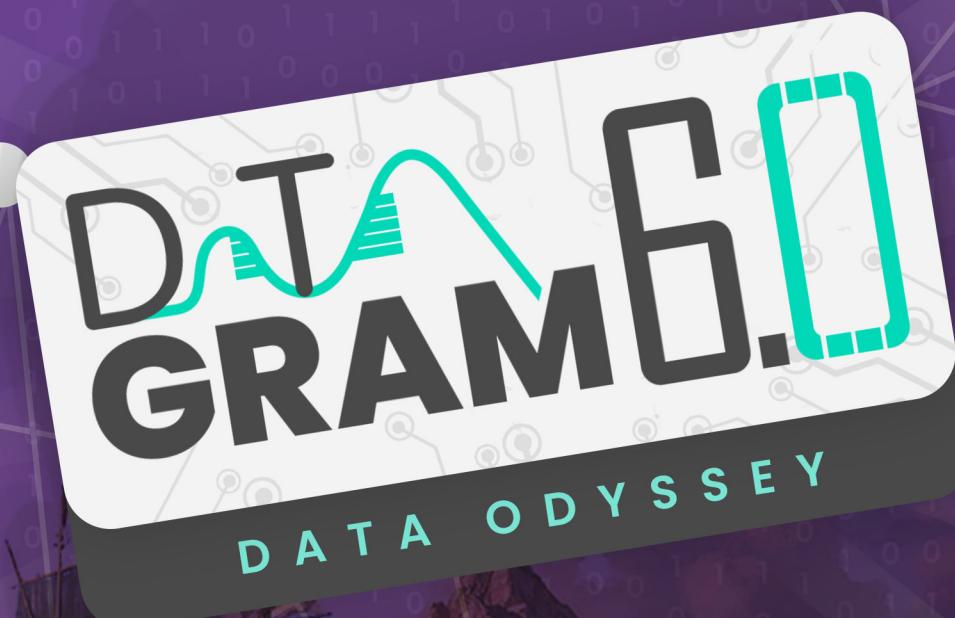




ST. JOSEPH'S UNIVERSITY  
School of Information Technology  
DEPARTMENT OF ADVANCED COMPUTING



29  
FEBRUARY  
2024

Website



Participate in Datagram, St. Joseph's University's intercollegiate fest in Bangalore.

7 Competitive Events in 1 day !

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# ABOUT

**ABOUT SJU :** ST. JOSEPH'S UNIVERSITY IS A PRIVATE AIDED HIGHER EDUCATIONAL INSTITUTION RUN BY THE KARNATAKA PROVINCE OF THE SOCIETY OF JESUS IN BANGALORE, KARNATAKA, INDIA. IT STANDS AS ONE OF THE OLDEST EDUCATIONAL INSTITUTIONS IN THE STATE OF KARNATAKA, BOASTING A HISTORY OF 141 YEARS. THE UNIVERSITY HAS BEEN CONFERRED THE COLLEGE OF EXCELLENCE STATUS BY THE UNIVERSITY GRANTS COMMISSION (UGC) IN 2017 AND HOLDS A HIGH RATING FROM THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC). IT OFFERS GRADUATE, POST-GRADUATE, AND DOCTORAL PROGRAMS ACROSS VARIOUS SUBJECTS, SPANNING FROM SOCIAL SCIENCES TO SCIENCES. ST. JOSEPH'S UNIVERSITY BOASTS A FACULTY OF AROUND 300 TEACHING MEMBERS AND A STUDENT POPULATION EXCEEDING 7000. THE UNIVERSITY IS SITUATED AT LAL-BAGH MAIN ROAD, SHANTINAGAR, BANGALORE.

**ABOUT ADVANCED COMPUTING :** THE DEPARTMENT OF ADVANCED COMPUTING AT ST. JOSEPH'S UNIVERSITY, BANGALORE, UNDERTAKES INTRICATE PROJECTS AND ASSIGNMENTS IN STATISTICAL MODELING AND INFERENCE, MACHINE LEARNING, DEEP LEARNING, AND ARTIFICIAL INTELLIGENCE (AI). CONSEQUENTLY, WE HAVE DESIGNED EVENTS THAT CHALLENGE PARTICIPANTS' KNOWLEDGE IN VARIOUS AREAS, INCLUDING DATA SCIENCE, DATA ANALYTICS, AND ARTIFICIAL INTELLIGENCE. THE M.SC. PROGRAM IN BIG DATA ANALYTICS OFFERED BY THE DEPARTMENT HAS PROVEN TO BE HIGHLY SUCCESSFUL, WITH OVER 300 STUDENTS HAVING COMPLETED THE PROGRAM. THESE GRADUATES ARE CURRENTLY EMPLOYED IN LEADING IT COMPANIES IN INDIA, SUCH AS TCS, WHERE THEY ARE ENGAGED IN CHALLENGING PROJECTS AND ASSIGNMENTS RELATED TO STATISTICAL MODELING, INFERENCE, MACHINE LEARNING, DEEP LEARNING, AND AI.

# GENERAL GUIDELINES

- ALL PARTICIPANTS ARE REQUIRED TO CARRY THEIR ID CARDS.
- PARTICIPANTS CAN CONFIRM THEIR REGISTRATION ONLINE OR ON THE DAY OF THE FEST.
- THE REGISTRATION FEE WILL NOT BE REFUNDED.
- PARTICIPANTS MUST REPORT AT THE VENUE 15 MINUTES PRIOR TO THE EVENT.
- FOR AN EVENT, A MAXIMUM OF 2 TEAMS PER COLLEGE CAN PARTICIPATE.
- NO DISCRIMINATORY OR FOUL LANGUAGE WILL BE TOLERATED.
- READ THE RULES AND REGULATIONS OF EACH EVENT CAREFULLY.
- REGISTER FOR ALL EVENTS USING THE QR CODE .
- ALL EVENT LINKS ARE MENTIONED ON OUR WEBSITE/INSTAGRAM PAGE
- JUDGES DECISION IS FINAL AND BINDING.
- RESULTS ANNOUNCED WILL BE NON-NEGOTIABLE.
- CONTACT EVENT HEADS FOR ANY QUERIES.
- CHECK THE SCHEDULE BEFORE REGISTERING FOR MORE THAN ONE EVENT.
- PARTICIPANTS MUST WEAR THE ID CARD PROVIDED BY US AT ALL TIMES.

## REGISTRATION FEE FOR EVENTS

INDIVIDUAL EVENT

Rs. **150**

TREASURE HUNT ,GAMING  
(Per group)

Rs. **500**

DUO EVENT  
(Two participant)

Rs. **300**

GROUP OF 10

Rs. **2000**

- PARTICIPATING COLLEGES REGISTERING AS A GROUP OF 10 CAN TAKE PART IN MAXIMUM 2 EVENTS
- PARTICIPANTS NOT COMING AS A GROUP OF 10 WILL HAVE TO REGISTER FOR ANY ADDITIONAL EVENT THEY WANT TO TAKE PART IN.

# EVENTS

**DATA SHARK**

SHARK TANK

**QUIZZLE**

QUIZ

**SQL SAGA**

SQL

**DATA  
TRAILBLAZERS**

IT MANAGER

**YOUNG DATA  
SCIENTIST**

YOUNG DATA SCIENTIST

**CIPHER  
TRAIL**

TREASURE HUNT

**MOBILE LEGENDS**

GAMING

# Y.D.S

## YOUNG DATA SCIENTIST

**EVENT DESCRIPTION** THIS EVENT IS SPECIALLY DESIGNED FOR ASPIRING DATA ENTHUSIASTS EAGER TO SHOWCASE THEIR ANALYTICAL PROWESSION AND TEAMWORK.

**NO. OF MEMBERS IN EACH TEAM** 2 **ROUNDS** 2

### RULES FOR EACH ROUND

#### CODE RALLY

1

1. TEAMS SHOULD TRY TO UNCOVER HIDDEN PATTERNS, TRENDS AND VALUABLE INFORMATION FROM THE GIVEN DATASET.
2. FOR TWO ROUNDS OF 15 MINUTES ,TEAM MATES ALTERNATE AND CARRY ON WHERE THE OTHER LEFT OFF.
3. TEAMS WILL BE MARKED FOR DATA CLEANING, EDA, DATA VISUALIZATION AND DATA MODELLING.

#### TEAM SYNERGY-ELEVATE YOUR INSIGHTS

2

1. IN THIS ROUND TEAMS WILL SHOWCASE THE INSIGHTS THEY'VE METICULOUSLY EXTRACTED FROM THE COLLABORATIVE CODING SYMPHONY IN ROUND 1.
2. TEAMS WILL PRESENT THEIR INSIGHTS TO A PANEL OF JUDGES WHO WILL EVALUATE AND CRITIQUE THEIR ANALYSIS.
3. MARKS PROVIDED FOR THE DEPTH OF UNDERSTANDING, INNOVATIVE ANALYSIS TECHNIQUES AND EFFECTIVE COMMUNICATION OF FINDINGS.
4. TEAMS ARE ALLOWED TO USE ONLY OFFICIAL DOCUMENTATION.

### GENERAL GUIDELINES

1. JUDGES WILL ASSESS TEAM PERFORMANCE, ANALYTICAL SKILLS, AND THE ABILITY TO ARTICULATE INSIGHTS.
2. THE HIGHEST SCORING TEAM WILL BE DECLARED THE WINNER OF THE YOUNG DATA SCIENTIST
3. TEAMS ARE ADVISED TO CARRY THEIR LAPTOPS.

### PRIZES

Rs 4000

1<sup>ST</sup>

Rs 2000

2<sup>ND</sup>

### CONTACT

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# QUIZZLE

## QUIZ

**EVENT DESCRIPTION** HEY THERE, READY TO PUT YOUR KNOWLEDGE TO THE TEST?

GET READY TO DIVE INTO THE EXCITING WORLD OF DATA SCIENCE AND SHOW OFF YOUR EXPERTISE.

QUIZZLE IS DESIGNED TO CHALLENGE YOUR UNDERSTANDING OF VARIOUS DATA SCIENCE CONCEPTS AND APPLICATIONS. TEST YOUR SKILLS AND SEE IF YOU HAVE WHAT IT TAKES TO BECOME THE QUIZZLE CHAMPION!

**NO. OF MEMBERS IN EACH TEAM** 2

**ROUNDS** 3

### RULES FOR EACH ROUND



#### DOUBLE TROUBLE

THERE WILL BE TWO SUB-ROUNDS AND ELIMINATION ALONG THE WAY.



#### SPIN THE WHEEL

SPIN THE WHEEL AND GET READY TO TEST YOUR KNOWLEDGE ON THE GIVEN TOPIC.



#### BID TIME TO WIN

BID YOUR POINTS TO MAKE YOURSELF THE QUIZZLE CHAMPION

### GENERAL GUIDELINES

1. REQUIRED KNOWLEDGE ABOUT PYTHON ,SQL, C PRGRAMMING, STATISTICS AND COMPUTER SCIENCE
2. LOGICAL REASONING AND PROBLEM SOLVING SKILLS ARE MANDATORY.
3. REFRAIN FROM USAGE OF CELLPHONES AND OTHER GADGETS UNLESS INSTRUCTED.

### PRIZES

Rs 2000

1<sup>ST</sup>

Rs 1000

2<sup>ND</sup>

### CONTACT

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# DATA TRAILBLAZERS

## IT MANAGER

**EVENT DESCRIPTION** THIS EVENT IS DESIGNED FOR TECH-SAVVY STUDENTS AND ASPIRING IT MANAGERS EAGER TO DIVE INTO THE WORLD OF INNOVATION AND LEADERSHIP.

**NO. OF MEMBERS IN EACH TEAM** 1

**ROUNDS** 3

### RULES FOR EACH ROUND

1

#### APTITUDE TEST ( 3+10+2 MINUTES )

- PLEASE BRING YOUR LAPTOPS
- AN APTITUDE TEST IS A QUIZ-STYLE ASSESSMENT COMPRISING A SERIES OF QUESTIONS AIMED AT EVALUATING AN INDIVIDUAL'S SKILLS AND KNOWLEDGE
- USING THE INTERNET IS PROHIBITED.

2

#### JAM (JUST A MINUTE)

- GIVEN AN IT OR DATA SCIENCE BASED TOPIC ON SPOT, THE PARTICIPANT IS REQUIRED TO SPEAK ABOUT IT FOR A MINUTE WITHOUT HESITATION, REPETITION, OR DEVIATION.

3

#### STRESS INTERVIEW

- A STRESS INTERVIEW INVOLVES POSING QUESTIONS DESIGNED TO CREATE PRESSURE OR DISCOMFORT, ALLOWING TO OBSERVE HOW THE CANDIDATE REACTS UNDER STRESS

### PRIZE

Rs 1500

### CONTACT

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# SQL SAGA

## SQL

### EVENT DESCRIPTION EMBARK ON A DATA-DRIVEN ADVENTURE IN OUR SQL GAME!

NAVIGATE THROUGH CHALLENGING QUESTS BY MASTERING SQL QUERIES. UNCOVER HIDDEN TREASURES IN RELATIONAL DATABASES, SOLVE PUZZLES, AND LEVEL UP YOUR DATABASE SKILLS TO EMERGE AS THE ULTIMATE SQL CHAMPION. ARE YOU READY TO QUERY YOUR WAY TO VICTORY?

NO. OF MEMBERS IN EACH TEAM 1

ROUNDS 2

### GENERAL GUIDELINES

1. THIS IS AN INDIVIDUAL EVENT.
2. PARTICIPANTS ARE REQUIRED TO HAVE BASIC KNOWLEDGE OF SQL AND DATABASES.
3. THE EVENT CONSISTS OF TWO ROUNDS.
4. ORGANIZERS WILL PROVIDE PARTICIPANTS WITH DESKTOP COMPUTERS FOR EXECUTING QUERIES IN MYSQL, USE OF PERSONAL LAPTOPS IS NOT PERMITTED.
5. EACH ROUND WOULD LEAD TO ELIMINATION OF A FEW PARTICIPANTS.
6. THE ORGANIZER'S DECISIONS SHALL BE DEEMED FINAL.

### PRIZES

Rs 1500

1ST

Rs 1000

2ND

### CONTACT

SMRUTHI +91-9961337919  
AMAL N +91-8157084693

# DATA SHARK

## SHARK TANK

**EVENT DESCRIPTION** STUDENTS PITCH CUTTING-EDGE TECH IDEAS TO INDUSTRY EXPERTS, VYING FOR SUPPORT AND INVESTMENT. WITNESS THE FUTURE OF "IT" UNFOLD AS ENTREPRENEURIAL MINDS SHOWCASE THEIR GROUNDBREAKING PROJECTS, ENCOURAGE INNOVATION AND CREATIVITY, FOSTER COLLABORATION BETWEEN TEAMS AND DEVELOP PRESENTATION SKILLS.

NO. OF MEMBERS IN EACH TEAM **2**

ROUNDS **2**

### RULES FOR EACH ROUND



#### **PRESENTATION i.e., PITCH THEIR PRODUCT**

THE THEME NEEDS TO BE FOLLOWED  
TIME LIMIT: 3 (Pitch) +5 MINUTES  
(Elimination round)



#### **ON SPOT PITCH**

A RANDOM PITCH WILL BE ASSIGNED

### GENERAL GUIDELINES

- 1. PREPARE A STRONG PITCH:** CLEARLY ARTICULATE YOUR IDEA, ITS UNIQUE SELLING POINTS, AND POTENTIAL IMPACT. KEEP IT CONCISE AND ENGAGING. FOCUS ON THE ANALYTICAL, BUSINESS PERSPECTIVE AND TECHNICAL ASPECTS OF THE PRODUCT.
- 2. INNOVATIVE SOLUTION:** SHOWCASE A UNIQUE AND INNOVATIVE TECHNOLOGY SOLUTION THAT DIFFERENTIATES YOUR PROJECT FROM OTHERS.
- 3. SHOWCASE A PROTOTYPE OR DEMO:** IF POSSIBLE, PRESENT A WORKING PROTOTYPE OR DEMO TO GIVE A TANGIBLE FEEL OF YOUR PROJECT'S POTENTIAL
- 4. SCALABILITY:** DISCUSS THE SCALABILITY OF YOUR IT SOLUTION AND HOW IT CAN ADAPT TO FUTURE GROWTH AND CHANGES IN THE INDUSTRY.
- 5. TEAM COLLABORATION:** IF YOU'RE WORKING IN A TEAM, SHOWCASE EFFECTIVE COLLABORATION AND HIGHLIGHT EACH MEMBER'S CONTRIBUTION TO THE PROJECT.
- 6. IMPACT:** CLEARLY COMMUNICATE THE POTENTIAL IMPACT AND BENEFITS OF YOUR IT SOLUTION, WHETHER SOCIAL, ECONOMIC, OR ENVIRONMENTAL.

### PRIZES

Rs **2000**

**1<sup>ST</sup>**

Rs **1000**

**2<sup>ND</sup>**

### CONTACT

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# MOBILE LEGENDS

## GAMING ( BGMI )

**EVENT DESCRIPTION** GEAR UP FOR THE BGMI EVENT! JOIN THE BATTLEGROUNDS MOBILE INDIA TOURNAMENT, FORM SQUADS, AND COMPETE FOR GLORY AND PRIZES. ENGAGE IN COMMUNITY CHALLENGES, CONNECT WITH GAMERS, AND SHOWCASE YOUR SHARPSHOOTING SKILLS. WITH TOP-NOTCH REWARDS AND FIERCE COMPETITION, THIS EVENT PROMISES AN UNFORGETTABLE GAMING EXPERIENCE. READY FOR THE ULTIMATE SHOWDOWN?

NO. OF MEMBERS IN EACH TEAM **4**

ROUNDS **2**

### RULES FOR EACH ROUND



FOLLOW THE GENERAL RULES AND NO TEAMING UP WITH OTHER TEAMS.



TIME DURATION FOR EACH ROUND: 45 MINS. TIME DURATION SHOULD BE STRICTLY FOLLOWED

### GENERAL GUIDELINES

- LEVEL PLAYING FIELD:** TO ENSURE FAIR COMPETITION, PLAYERS ARE NOT ALLOWED TO USE TRIGGERS OR ANY MECHANICAL DEVICES THAT PROVIDE AN UNFAIR ADVANTAGE IN THE TOURNAMENT.
- ZERO TOLERANCE FOR CHEATING:** USING HACKS, EXPLOITING GLITCHES, OR TAKING ADVANTAGE OF BUGS WILL RESULT IN IMMEDIATE DISQUALIFICATION (DQ) FROM THE TOURNAMENT.
- SPORTSMANSHIP MATTERS:** MAINTAIN A POSITIVE GAMING ENVIRONMENT BY REFRAINING FROM ANY VERBAL OR IN-GAME BAD MANNERS (BM) THROUGHOUT THE TOURNAMENT. RESPECT YOUR FELLOW GAMERS.
- BYOD POLICY:** PARTICIPANTS ARE REQUIRED TO BRING THEIR OWN MOBILE DEVICES AND GUARANTEE A STABLE INTERNET CONNECTION FOR THE DURATION OF THE TOURNAMENT.
- STRATEGIC TIMEOUTS:** ORGANIZERS ARE PERMITTED TO CALL FOR A TIMEOUT ONLY AFTER THE MAP HAS BEEN FULLY PLAYED. ANY DISCREPANCIES DURING THE MATCH WILL BE ADDRESSED POST-MATCH.

### PRIZES

Rs **3000**

**1<sup>ST</sup>**

Rs **1500**

**2<sup>ND</sup>**

### CONTACT

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NANDA KISHORE +91-6360981598

# CIPHER TRAIL

## TREASURE HUNT

**EVENT DESCRIPTION** EMBARK ON CIPHER TRAIL, AN IMMERSIVE TREASURE HUNT IN DATA ODYSSEY: A JOURNEY THROUGH ANALYTICS. UNRAVEL SECRETS IN THE VAST BIG DATA LANDSCAPES, GUIDED BY STRATEGICALLY PLACED CLUES. ENGAGE INTELLECT, NAVIGATE INFORMATION COMPLEXITIES, AND UNVEIL HIDDEN TREASURES. VENTURE INTO THE UNKNOWN, WHERE THE ULTIMATE REWARD LIES IN UNRAVELING DIGITAL MYSTERIES. PREPARE FOR AN ADVENTURE CHALLENGING WIT AND INTUITION, PROMISING AN UNFORGETTABLE SOJOURN THROUGH UNCHARTED DATA TERRITORIES

**NO. OF MEMBERS IN EACH TEAM** 4 ( MINIMUM OF 3 )

**ROUNDS** 2

### RULES FOR EACH ROUND

1

#### ELIMINATION ROUND

A QUESTIONNAIRE OR AN ACTIVITY WILL BE CONDUCTED. IT WILL BE AN ELIMINATION ROUND

2

#### TREASURE HUNT

CLUES WILL BE KEPT ACROSS THE UG & PG CAMPUS

### GENERAL GUIDELINES

1. TEAM REGISTRATION IS A REQUIREMENT FOR PARTICIPATION.
2. EACH TEAM SHOULD HAVE A MAXIMUM OF 4 MEMBERS AS PLAYERS
3. ANY USE OF UNFAIR METHODS DURING THE GAME OR ENGAGING IN UNETHICAL CONDUCT WILL RESULT IN IMMEDIATE DISQUALIFICATION OF THE TEAM .

### PRIZES

Rs 4000

1<sup>ST</sup>

Rs 2000

2<sup>ND</sup>

### CONTACT

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# EVENT SCHEDULE

09:00 am - 10:00 am

- Inauguration

10:30 am - 12:30 pm

- Data Trailblazers  
(IT Manager)
- Young Data Scientist
- Mobile Legends  
(Gaming)

12:45 pm - 02:45 pm

- Data Shark (Shark Tank)
- SQL Saga (S.Q.L)
- Quizzle (Quiz)

02:00 pm - 03:00 pm

- Cipher Trail (Treasure Hunt)

03:00 pm - 04:00 pm

- Quizzle Final Round

04:00 pm - 05:00 pm

- Valedictory Function

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DEPARTMENT OF ADVANCED COMPUTING  
SIGMA SQUARED

