

Department of Data Science

DataGeniX'24

Introduction:

It is planned to conduct an event titled "DataGeniX'24" on 06/03/2024 for the students of KCLAS & KSI, by Department of Data Science, KCLAS. Where innovation, design, and technology converge to inspire in exploring the intersection of learning and technology, fostering ingenuity and advancement.

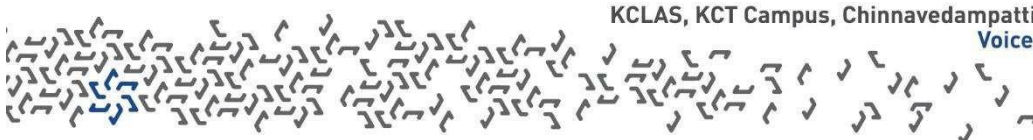
Goal:

The primary goal of this event is to foster critical thinking and innovation in the field of data and designing tools. Participants will explore how data designing can enhance the user-centric, data-driven, and efficient online presence.

1. Design Thinking
2. Practical implications of data science in different fields
3. Cognitive Science
4. Aggregate Analysis
5. Data Synchronization

Outcome:

- Data Hunt -Data Hunt intertwines exploration and data analytics, unveiling insights in a unique adventure quest.
- Idea Glitz -Idea Glitz innovates data storytelling, merging creative visuals with analytics for impactful narrative experiences.
- Anabolic Data - The event showcases data science and fitness, promoting health and community while leveraging analytics for wellness insights.
- Valorant –Valorant tournament analysis integrates gaming and data science, providing insights for competitive gaming excellence.



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Event Description:

Event 1 - Data Hunt:

Data Hunt is a distinctive event that merges the essence of discovery with the principles of data science, thereby reimagining our college premises as a domain for exploration. Participants traverse designated areas, collecting real-world data points, thereby transforming the endeavor into a practical data science venture. Analyzing the massed data uncovering valuable insights into the dynamic field of data science, showcasing its tangible implications across various disciplines. Furthermore, honing analytical thinking skills during such endeavors can greatly enhance problem-solving abilities and decision-making prowess in one's professional pursuits, thereby fostering adaptability and innovation in today's competitive landscape. We cordially invite you to join us for an engaging experience that seamlessly integrates theory with application, unveiling the exciting possibilities within the realm of data.

Participants : KCLAS & KSI Students

Expected Participants : Number of participants in a Team - 4, total expected participants 80.

Price Details : First Price - (Netflix Voucher x4) & Runners Team - (Amazon Gift Voucher x4)

Budget : First Price - (Netflix Voucher (₹500 x4)) = ₹2,000/-

Runners Team - (Amazon Gift Voucher (₹150 x4)) = ₹600/-

QR Code Printing = ₹400/-

Total Budget = ₹3,000/-

Faculty Coordinator : Dr. Geetha, Assistant Professor, KCLAS.

Student Coordinator : Dharanyen & Team

Juries : Dr. Thirumal P C, Associate Professor, KSI, Mr. Sathish Kumar, COE & AO-I , KCLAS, Dr. G Suganya, Assistant Professor, KCLAS.

Winner Selection Criteria : Data Collection, Analysing, Inference, Time Period- (60mins)

In Case of Tie : Situation Analysis can be executed.

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Event 2 - Idea Glitz:

Idea Glitz is an event celebrating the fusion of creativity and data science, highlighting the art of data storytelling. Emphasizing the importance of visual narratives, it explores how compelling visuals can convey complex data effectively. In this data-driven era, the idea showcases the crucial role of data science in shaping our understanding of the world. Participants engage in crafting visually appealing narratives, gaining insights into the dynamic realm of data science. The event also provides valuable feedback on user experience, trends, skill gaps, and effective communication strategies, informing future event refinements. Join us for an immersive exploration at the crossroads of creativity and data!

Participants : KCLAS & KSI Students

Expected Participants : Number of participants in a Team - 3, total expected participants 50.

Price Details : First Price – (Wireless Earphones x3) & Runners Team – (Hp 64gb Pen drive x3)

Budget : First Price – (Wireless Earphones (₹999x 3)) = ₹3,000/-

Runners Team – (Hp 64gb Pen drive (₹500x 3)) = ₹1500/-

Total Budget = **₹4,500/-**

Faculty Coordinator : Dr. Mary Louis, Assistant Professor, KCLAS

Student Coordinator : Nikhil Krishna & Team

Winner Selection Criteria : Exploratory Data Analysis, Interpretation of the Data, Time Period- (120mins)

In Case of Tie : New Data can be taken from the repository and ideas can be generated.

Juries : Dr. Sudarshan, Associate Professor, KSI, Dr. Gnanaprakash C, HOD, Dept. of Psychology, KCLAS & Ms. S.Nivetha, Assistant Professor, Dept. of English, KCLAS.

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Event 3 - Anabolic Data:

Anabolic Data represents a pioneering convergence of fitness principles with data science methodologies. Our primary goal is to advocate for a balanced and healthy lifestyle while nurturing a sense of camaraderie within our department. We aim to exemplify how the application of data science can augment various fitness endeavours. Participants will be actively involved in the Push-Up Challenge and Bicep Curl Competition, where wearable fitness trackers will meticulously record performance metrics such as heart rate and calories expended. Through the generation of personalized reports and comprehensive aggregate analyses, participants will gain valuable insights into their individual progress and overarching performance trends. These insights will play a pivotal role in determining the recognition of victors. We cordially invite you to join us in this unparalleled event, where the synergy between data science and fitness serves as a catalyst for redefining wellness paradigms within our college community.

Participants : KCLAS & KSI Students

Expected Participants : (Last Year 105 participants were present, so we are restricting the participants with registration for Anabolic Data)

Safety Measures & Precautions would be taken for each participant during the event to avoid injuries.

Price Details : First Price Men - (Fitness Essential Kit x2), First Price Women - (Fitness Essential Kit)

Budget : First Price Men - (Fitness Essential Kit (₹1000x 2)) = ₹2,000/-

First Price Women - (Fitness Essential Kit (₹1000x 1)) = ₹1,000/-

Guest Souvenir - (Fitness Essential Kit (₹1000x 1)) = ₹1,000/-

Total Budget = ₹4,000/-

Faculty Coordinator : Dr. Jagatheeshwari R, Assistant Professor, KCLAS

Student Coordinator : Deekshit & Team

Winner Selection Criteria : Number of Counts per person

In Case of Tie : Arm Wrestling/Jury Decision

Juries : Mr. Shiva, ("Mr. India" - Title Winner 2021)

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Event 4 - Valorant:

Valorant, a tactical first-person shooter developed by Riot Games, swiftly ascended to prominence in the esports arena following its release in 2020. This game seamlessly integrates precise gunplay with distinctive character abilities, placing a strong emphasis on strategic thinking and collaborative teamwork within a near-future Earth backdrop. The analytical examination of a Valorant tournament encompassed the meticulous collection of diverse data points, including player statistics and match outcomes. Rigorous data preprocessing methodologies were employed to address challenges such as discrepancies in player aliases, ensuring the integrity of the dataset. Through Exploratory Data Analysis, profound insights emerged regarding player rankings and strategic hotspots on the game map. Key performance indicators, such as kill-death ratios and accuracy percentages, were utilized to identify standout performers among participants. Furthermore, an in-depth analysis of team dynamics delved into win rates and the efficacy of different team compositions, unveiling trends conducive to balanced teams and adaptable strategies. Notable takeaways from this analysis underscored the importance of establishing clear guidelines for data collection and ensuring real-time synchronization of information. In conclusion, the amalgamation of gaming and data science facilitated a comprehensive understanding of Valorant tournament dynamics, thereby furnishing invaluable insights for future events and enriching our comprehension of competitive gaming landscapes.

Participants : KCLAS & KSI Students

Expected Participants : Number of participants in a Team - 3 to 5, total expected participants 70.

Price Details : First Price - (In Game Redeem Card)

Budget : First Price - (In Game Redeem Card) = ₹5,000/-

Total Budget = ₹5,000/-

Student Coordinator : Yaakesh G & Team

Winner Selection Criteria : System Generation, Time (60mins)

In Case of Tie : No chance of tie.

Faculty Coordinator : Dr. Sindhana Devi M, Assistant Professor, KCLAS

Juries : System Validation

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Budget Details :

Event	Budget
Data Hunt	First Price - (Netflix Voucher (₹500x 4)) = ₹2,000/- Runners Team - (Amazon Gift Voucher (₹150x 4)) = ₹600/- QR Code Printing = ₹400/- Total Budget = ₹3,000/-
Anabolic Data	First Price Men - (Fitness Essential Kit (₹1000x 2)) = ₹2,000/- First Price Women - (Fitness Essential Kit (₹1000x 1)) = ₹1,000/- Guest Souvenir - (Fitness Essential Kit (₹1000x 1)) = ₹1,000/- Total Budget = ₹4,000/-
Valorant	First Price - (In Game Redeem Card) = ₹5,000/- Total Budget = ₹5,000/-
Idea Glitz	First Price – (Wireless Earphones (₹999x 3)) = ₹3,000/- Runners Team – (Hp 64gb Pen drive (₹500x 3)) = ₹1500/- Total Budget = ₹4,500/-
Poster & Certificates	Printing the Poster, Certificates for Winners alone = ₹2,500/-
Decorations	Chart Papers, Balloons, Other Stationaries = ₹1,000/-
Refreshments	Faculties(6) & Juries(6) = 12 People Refreshments will be provided from KCLAS.
Miscellaneous	₹ 1,000/- Note: The amount taken for Miscellaneous & other expenses would be refunded if not spent during the Event.

Total: ₹ 21,000/-

Venue and Date:

Venue : LH 14 - Data Hunt at 9.00am & Students will move to the respective venue

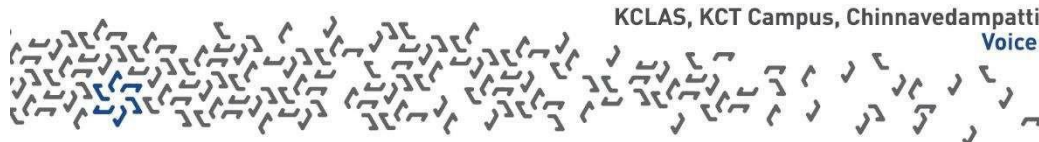
LH 15 - Idea Glitz

KCLAS Computing Lab - Valorant

KCLAS Square - Anabolic Data (In case the crowd exceeds, will be moving KCLAS Lawn)

Date : 06/03/2024

Time : 9:00 am to 4:00 pm



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Agenda:

Time	Activity
09:00a.m - 09:30a.m	Spot Registration (If needed)
09:30a.m – 01:00p.m	Data Hunt, Idea Glitz, Valorant
10:20a.m-10:40a.m, 01:30p.m -02:30p.m	Anabolic Data
02:30p.m - 03:00p.m	Evaluation
3:00p.m – 4:00p.m	Validatory

Conclusion:

We eagerly await the execution of DatageniX'24 and are prepared for a successful event that not only highlights the capabilities of data science but also offers a distinctive and enriching experience for both our students and faculty. We have full confidence that this event will make a substantial contribution to both the academic and experiential dimensions of our esteemed Data Science Department.

Head of the department: Dr. K.S. Narayanan

Overall Event Faculty Coordinators : Dr. M Sindhana Devi and Dr. Mary Louis L, KCLAS

Student Coordinators : Sasipriya K - Secretary & Jeyanth A - Joint Secretary

Event Coordinators - II-Data Science Students would be leading the event, supported by I-Data Science Students along with the respective faculties.

Data Hunt : Dharanayen & Team

Idea Glitz : Nikhil Krishna & Team

Anabolic Data : Deekshit & Team

Valorant : Yaakesh & Team

Registration : Kanishk & Team

Certifications : Kanishk & Team

Decoration : Sreeshma & Team

Coordinator

Dr Divya Vadlamudi
Associate Director KSI

Dr Raghuveer VR
Director KSI