



The Scientia

Departmental Triumphs & Student Success Chronicle

News Bulletin of Department of Science of St. Clare's College Autonomous, Bengaluru

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MESSAGE FROM HOD



It is with great pleasure and enthusiasm that I extend my warmest greetings to all of you through the pages of our bulletin. As the Head of the Science Department, it brings me immense joy to witness the culmination of our collective efforts in bringing forth this platform to celebrate the marvels of science. Science, as we know, is not merely a subject confined to textbooks and laboratories; it is a dynamic force that permeates every aspect of our lives. From the breathtaking expanse

of the cosmos to the intricate complexities of the microscopic world, science serves as our guide, illuminating pathways to discovery and understanding. In this e-magazine, you will embark on a journey through the realms of computer science, statistics, mathematics, and beyond. Through engaging articles, captivating visuals, and thought-provoking insights, we aim to ignite your curiosity and spark a passion for exploration. Moreover, we are committed to promoting scientific literacy and fostering a culture of inquiry within our community. By sharing the latest advancements, debunking myths, and exploring the intersection of science and society, we hope to empower each one of you to become critical thinkers and informed decision-makers. I encourage you to dive into the pages of this bulletin with an open mind and a sense of wonder. Let us embark on this voyage of discovery together, embracing the wonders of science and the boundless possibilities it presents. Thank you for joining us on this exciting journey.

Lt. Dr. Prakash Chandra Behera

M.Sc., MCA, PRCN, Ph. D. HOD &

Associate Professor

FACULTY OF DEPT. OF SCIENCE



Ms. Divya V. R

M. Sc., B. Ed., (Ph.D), (MBA)

Assistant Professor



Mr. Kagendra T

M. Sc., (Ph.D)

Assistant Professor



Ms. Geethu Varghese

M. Sc., (Ph.D)

Assistant Professor

DEPARTMENTAL PROGRAMMES



Department Council of the year 2024-25

First National Space Day

The Department of Science at St. Claret College celebrated the First National Space Day 2024 on 23rd August at A. P. J. Abdul Kalam Auditorium. The event was graced by Dr. Murthy Remilla, Head of Project Management, Human Spaceflight Group, Gaganyaan Programme of India at ISRO, as the Chief Guest. Students actively participated in essay writing and poster presentation competitions, showcasing their knowledge and creativity. The event fostered curiosity and inspired young minds to explore the vast opportunities in space research and innovation, encouraging them to contribute to the future of space exploration and scientific advancements.



Speech by Dr. Murthy Remilla

An Interactive Session with Industry Expert



Interaction between Ms. Litty and the Students

On 6th September 2024, BSc students participated in an interactive session with Ms. Litty Adens, Co-Founder and COO of Infocrita. The session provided key industry insights, allowing students to engage in discussions, ask questions, and gain practical knowledge. It bridged the gap between academic learning and real-world applications, equipping students with essential skills like critical thinking, problem-solving, and adaptability, and empowering them to succeed in their future careers and stay ahead in an ever-evolving industry landscape.

SAMVIT'24

The Department of Sciences, in collaboration with University of Perpetual Help System DALTA, Philippines, and R.B.V.R.R. Women's College, Hyderabad, hosted SAMVIT 2024 on September 26 & 27, 2024. This 4th Virtual International Conference provided a platform for researchers and professionals to discuss scientific advancements. Featuring keynote sessions and technical presentations, it fostered knowledge exchange and academic collaboration. With active participation, SAMVIT 2024 upheld its legacy, driving innovation and insightful discussions in science and technology.



Professors participating in the conference

Magnix'24



Winners of Magnix'24

The Science Department hosted Magnix on 8th October 2024, an intra-departmental fest that combined learning with fun. Featuring interactive activities, competitions, workshops, exhibitions, guest lectures, quizzes, and hands-on experiences, the event encouraged curiosity, critical thinking, and teamwork. Magnix provided a dynamic platform for students to explore scientific concepts in an engaging and immersive way. By blending education with creativity, the fest made learning exciting, fostering a deeper appreciation and passion for science among all enthusiastic participants.

Mathematical and Statistical Modelling using AI & ML Applications

The One-Day Workshop on Mathematical & Statistical Modeling with AI & ML was led by Prof. Dr. Sanjeeva Perera and Dr. Prabhath Liyanage from the Centre for Mathematical Modeling, University of Colombo, Sri Lanka. The session offered valuable insights into AI, ML, data analytics, predictive modeling, and other techniques through discussions and hands-on learning. With enthusiastic participation, the workshop was an engaging and insightful experience. Looking ahead, we strive to further enhance knowledge, research, and innovation in mathematical and statistical modeling for real-world applications.



Workshop Session

Mastering SQL: Insight from an Industry Expert



Handing over the MOU and sapling

On 23rd November 2024, Infocrita signed an MoU with St. Claret College, strengthening academia-industry collaboration. This strategic partnership will introduce expert-led training in Data Science, PowerBI, SQL, Cloud Computing, AI, ML, and other emerging technologies while offering research consultancy and mentorship to faculty. The initiative aims to equip students with future-ready skills, enhance research capabilities, and foster innovation, creating new growth opportunities in the evolving technological landscape and preparing them for industry challenges.

COIL Project

The Collaborative Online International Learning (COIL) session on Business Statistics united students from St. Claret College, Bengaluru, and Hochschule Koblenz, Germany, from 4th to 29th November 2024. Led by Prof. Divya V.R. and Prof. Dr. Margareta Teodorescu, the virtual exchange fostered hands-on learning, cultural interaction, and real-world statistical applications. This initiative enriched students with global perspectives, collaborative problem-solving, and cross-cultural communication, enhancing both academic and professional growth while bridging geographical boundaries.



Students working on the Project

Devarayana Durga hills



Students maintaining a clean environment

On 3rd December 2024, second-year Science students visited DD Hills as part of the Environmental Promotion Activity "Think Green." They explored nature, engaged in scientific observation, and developed environmental awareness and responsibility. This hands-on experience enriched their understanding of ecosystems and conservation, encouraging curiosity and responsibility toward sustainability. The activity provided valuable insights into conservation efforts, inspiring students to adopt eco-friendly practices, sustainable habits, and contribute to a greener, healthier future.

Art Of Living

On 13th December 2024, third-year Science students attended a session at Art of Living, focusing on mindfulness and well-being. The experience highlighted stress management, self-awareness, emotional intelligence, and holistic growth. By integrating scientific learning with practical wellness techniques, students gained valuable insights into maintaining mental and emotional balance, inner peace, and clarity. This session encouraged them to adopt mindful practices, fostering resilience, positivity, and personal growth in both academic and everyday life.



Students of III BSc

National Mathematics Day



Quiz Time

On 18th December 2024, in celebration of National Mathematics Day, the Science Club of the Department of Science organized Infinity Quest, an intra-department competition. The event provided an engaging platform for students to showcase their mathematical skills and problem-solving abilities through challenging activities and thought-provoking puzzles. It fostered a deeper appreciation for mathematics and its endless possibilities. The winners were Prashanth and Vaibhav Hema (2nd Year) – 1st Prize, Shahid, Afaan, and Kashif (1st Year) – 2nd Prize, and the 3rd Prize was shared between Sai Charan, Shreyas (2nd Year) and Danish, Syed Shanawaz (1st Year). The competition was an inspiring and intellectually stimulating experience for all.

Trends in Technology

The Department of Science at St. Claret College organized a session on Trends in Technology on 5th February 2025 for first-year BSc students. The session was led by Dr. Javeria Amreen from Christ Academy Institute for Advanced Studies, who provided insights into emerging technological advancements, their real-world applications, and their impact across various industries. The session encouraged students to stay updated with evolving trends, fostering curiosity and innovation. By bridging theoretical knowledge with practical applications, the event inspired students to explore future opportunities in the ever-changing landscape of technology and scientific research.



Session by Dr. Javeria Amreen

DEPARTMENTAL ACHIEVEMENTS

Academic Achievements

High Achievers of Bangalore University

Students from Science department have demonstrated exceptional academic excellence in the Bangalore University 6th Semester Examination (Batch 2021-2024). In Mathematics, Ms. Priyanka M and Ms. Supriya G.V. secured a perfect 100%, setting a high academic benchmark. In Statistics, Ms. Anaya Benny, Ms. Priyanka K, Ms. Priyanka M, Ms. Supriya G.V, Ms. Thamini N and Ms. Vanitha S achieved 100%, showcasing their dedication and excellence. Their remarkable achievements serve as an inspiration for future scholars, setting a commendable standard of academic success.



Ms. Anaya Benny



Ms. Priyanka K



Ms. Priyanka M



Ms. Supriya G.V



Ms. Thamini N



Ms. Vanitha S

High Achievers of St. Claret College Autonomous

The autonomous batch of our department showcased exceptional academic excellence, securing top ranks. Ms. Devika Sai earned 1st rank with an impressive 9.717 GPA, followed by Mr. MD Saikat Ali Sarkar in 2nd place with 9.565 GPA, Ms. Noor Fathima in 3rd place with 9.370 GPA, and Ms. Nayana Santhosh in 4th place with 9.065 GPA. Their dedication, perseverance, and commitment to academic success are truly commendable. These achievements reflect the department's dedication to nurturing a culture of learning and excellence. Congratulations to our high achievers for setting a remarkable benchmark for future students!



Ms. Devika Sai



Mr. MD Saikat Ali Sarkar



Ms. Noor Fathima



Ms. Nayana Santhosh

Reva University - Science Fair



Students at Reva University

At the Science Fair hosted by the School of Applied Sciences at Reva University on November 22, 2024, students from our department showcased exceptional talent. Mr. Bhavesh L, Mr. Sridip Basu, and Mr. Joseph secured 1st place in Model Making, while Ms. Shatakshi Saxena, Ms. Feodara Catherine Rajasekar, and Ms. Rida won 1st prize in the Bio Hackathon. Additionally, Ms. Urvi Upare and Mr. Sujal Sagar earned 3rd place in the Science Quiz. Congratulations to all the winners for their outstanding achievements and dedication to science.

Apollo Tyres Foundation at St. Joseph's University

On 12th September 2024, the Apollo Tyres Foundation conducted an Environment and Nature Quiz at St. Joseph's University. Mr. Pranav Jayachandran and Mr. Chethan V from 2nd BSc participated in the Karnataka State Qualifier Round and secured Third Place. Their knowledge and teamwork were instrumental in achieving this recognition, showcasing their dedication to environmental awareness. Congratulations to Pranav and Chethan for their remarkable achievement.



Mr. Pranav Jayachandran and Mr. Chethan V

Cultural Achievements

Jain - Centre for Management Studies - Jain Naada Habba



Music Team

At the Jain - Centre for Management Studies event on October 28, 2024, the Group Singing team from our department—Mr. Kevin Renold, Mr. Pranav Jayachandran, and Ms. Vathsala L—secured First Prize in the Swaragala Sammilana competition. Their outstanding performance showcased impeccable harmony, dedication, and musical talent. This victory is a testament to their teamwork and passion for music, bringing pride to the department. Their commitment and effort in perfecting their craft were truly commendable. Congratulations to the entire team for this remarkable achievement, and may their success inspire many more musical accomplishments in the future.

Mr. Pranav Jayachandran demonstrated his exceptional musical talent by achieving multiple victories at prestigious fests. At MLA College's Sambhavami and Bhavayami Fest on November 25th, he secured 1st place in Solo Singing. Maintaining his winning momentum, he earned 3rd place in the Sur Sangam event at Sargam Fest, hosted by New Horizon College, on November 29th. His dedication and passion for music continue to bring pride to the department. Congratulations on these remarkable achievements.



Mr. Pranav Jayachandran

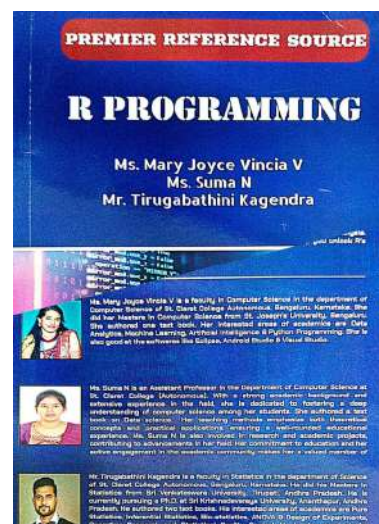


Mr. Kevin Renold

Mr. Kevin Ronald from the Science Department brought pride to the college with his remarkable achievements in musical events. He secured 1st place in Solo Instrumental at Bangalore University and 1st place in Group Song at the South Zone competition. At MLA College, he won 2nd place in Solo Song (Western Accompanist) and 1st place in Solo Song (Indian Accompanist). His talent and dedication continue to shine, earning well-deserved recognition. Congratulations on these achievements.

Faculty Achievements

The book R Programming, authored by Ms. Mary Joyce Vincia V, Ms. Suma N, and Mr. Tirugabathini Kagendra, is a premier reference that provides comprehensive insights into the fundamentals and applications of R programming. Designed for students, researchers, and professionals, it covers essential concepts such as data manipulation, visualization, and statistical modeling, making it a valuable resource for data analysis, statistics, and programming. With clear explanations, real-world examples, and hands-on exercises, the book ensures an accessible learning experience for both beginners and advanced users. By bridging theoretical knowledge with practical implementation, R Programming equips readers with the necessary skills to effectively utilize R for analytical and computational tasks, making it an indispensable guide for those looking to enhance their expertise in statistical computing and data science.



Professor's authored book

Sports Achievements

Bangalore University Inter College Football Competition - Christ Academy



College Football Team

In the Bangalore University Inter College Football Competition (Men), held at Christ Academy on November 7-8, 2024, Mr. Alan Thomas, a student from our department, played a key role in securing First Place for the team. Their exceptional teamwork, determination, and skill led to a well-deserved victory, showcasing outstanding sportsmanship. This remarkable achievement highlights their dedication and commitment to excellence in sports. Their success brings immense pride to our department. Congratulations to Alan and the entire team for their outstanding performance, and best wishes for continued success in future competitions.



"Science is the compass that guides humanity toward discovery, innovation, and endless possibilities. In the pursuit of knowledge, we shape the future and illuminate the world."

Student Editors



Mr. Bhavesh L



Ms. Joan Tressa Thomas



Ms. Vathsala L

Faculty Editor



Mr. Kagendra T