CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE | DELHI NCR | PUNE

9 SDG

INDUSTRY, INNOVATION AND INFRASTRUCTURE

ANNUAL REPORT

2024-25

Building a Smarter, Stronger Future



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One-Day National Level Training Program on AR/VR

Date: 20 January 2024
Venue: Council Room, Central Block
No. of participants: 100

The Department of Computer Science organised a one-day national-level training program on AR/VR for faculty and students, coordinated by Dr V.B. Kirubanand. The session was conducted through expert-led talks and hands-on demonstrations: Dr Vijay Arputharaj covered the role of 3ds Max and Blender in AR/VR, Dr Vineetha addressed related concepts in data analysis, forensic science, and network security, and Dr Sandeep and Dr Suresh led a practical session on Unity installation along with a live demonstration of storyboard projects. The activity was organised to build participants' foundational and applied understanding of AR/VR technologies, given their growing relevance in today's digital landscape, and to introduce essential tools used in AR/VR content creation and project development. As an outcome, participants gained a clearer understanding of AR/VR concepts, learned practical skills in 3ds Max, Blender, and Unity, and became more aware of current trends and challenges in the field. The training was well received by both beginners and professionals, with feedback indicating participants left with stronger technical exposure, particularly to areas like cyber forensics, and a better readiness to apply these skills in their respective academic and professional domains.







Paint Your Startup Canvas

Date: 14 February 2024
Venue: KE Auditorium, CHRIST Central Campus
No. of participants: 100

The activity, "Paint Your Startup Canvas," was an entrepreneurship-focused talk organised to introduce students to the fundamentals of building and developing sustainable ventures. The session was conducted through a keynote address by Mr Balasubramanian Jayam, Founder and CEO of The Half Brick, who shared practical insights from his experience as a social entrepreneur. He discussed the integration of sustainable practices into the startup ecosystem and highlighted the role of technology in addressing global challenges. The activity also emphasised startup connections, capability building, and the development of the skills, knowledge, and networks required to launch and grow ventures. The programme was conducted with the objective of inspiring young people to explore entrepreneurship, particularly social entrepreneurship, while encouraging them to view innovation as a means of creating positive change. Through real-life stories and entrepreneurial insights, the activity strengthened participants' understanding of venture creation, sustainability, technology, and social impact. Overall, it helped build entrepreneurial confidence and encouraged students to develop innovative ideas with the potential to address societal and global challenges.







Industry, Innovation and Infrastructure: The Startup

Date: 24 March 2024
Venue: Room 735, Block 2, 3rd floor, Central Campus, CHRIST (Deemed to be University)
No. of participants: 69

The School of Education organised a guest talk titled "Industry, Innovation and Infrastructure: The Startup," delivered by Dr Saji Varghese for pre-service teachers of the B.Ed. program. The session was conducted as an interactive talk in which Dr Varghese used personal narratives and storytelling, including insights from his own entrepreneurial journey of developing eco-friendly straws from coconut leaves, to explain the significance of SDG 9 (Industry, Innovation and Infrastructure). The activity was organised to help future educators understand the role of sustainable industrialisation, technological innovation, and inclusive infrastructure in driving economic growth and environmental sustainability, while equipping them to embed these ideas into their teaching practice. Drawing on real-life examples and success stories, Dr Varghese highlighted how innovation and entrepreneurship can address environmental challenges and promote equitable access to technology, particularly in marginalised communities. As an outcome, participants gained a deeper understanding of SDG 9 and its practical applications, engaged in interactive discussions on sustainability strategies, and were inspired to incorporate SDG 9 principles into their future lesson plans and classroom activities. The session also laid the groundwork for a follow-up plan involving workshops and collaborations with local organisations to advance sustainability initiatives within educational institutions and communities.



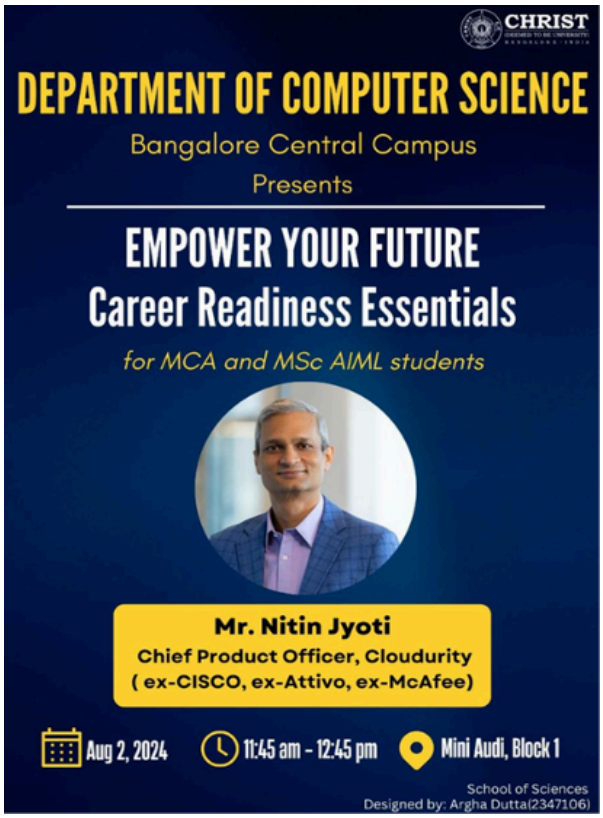




Empower Your Future: Career Readiness Essentials

Date: 2 August 2024
Venue: Mini Auditorium, CHRIST (Deemed to be University)
No. of participants: 194

The Department of Computer Science at CHRIST (Deemed to be University) organised a seminar titled "Empower Your Future: Career Readiness Essentials" for final-year MCA and MSc AI/ML students, featuring Mr Nitin Jyoti, Chief Product Officer at Cloudurity, as the keynote speaker. The session was conducted through an interactive talk followed by a Q&A segment, allowing students to engage directly with the speaker and receive personalised insights. It began with a discussion on the meaning of career and success, before moving into industry trends such as artificial intelligence adoption, cloud computing, and hybrid work models. Mr Jyoti also shared practical guidance on crafting effective, quantified resumes, preparing for interviews using the STAR method, and building a strong personal brand, alongside emphasising continuous learning as essential for staying relevant. The activity was organised to strengthen students' employability skills and prepare them for the demands of the corporate world ahead of placements. Its impact was reflected in the active student participation and the well-rounded exposure gained, equipping students with both theoretical knowledge and practical tools to approach their career paths with greater confidence and competence.







Seminar On Fintech

Date: 10 August 2024
Venue: Skyview, Central Block
No. of participants: 100+

The SDG Cell, in collaboration with the Law and Technology Committee of the Department of Law, organised a seminar on Fintech, featuring keynote speaker Mr Anish Dey, alongside opening remarks from student speakers Ayaan and Nidhi. The seminar was conducted through a PowerPoint presentation on "Fintech and Global Finance Policy," followed by an interactive discussion covering stock market trends, algorithmic trading, and geopolitical impacts on markets, along with a practical session explaining stock trading terminology, statistical analysis, and candlestick chart patterns. The seminar was organised to explore fintech's role in transforming global finance while aligning it with SDG 7 (Affordable and Clean Energy), SDG 8 (Decent Work and Economic Growth), and SDG 9 (Industry, Innovation and Infrastructure). As an outcome, participants gained valuable insights into how fintech innovations like crowdfunding can support renewable energy investment and financial inclusion, understood the role of digitalisation in building sustainable industrial infrastructure, and left with practical knowledge of stock trading concepts and a deeper appreciation for the unpredictable, dynamic nature of financial markets.



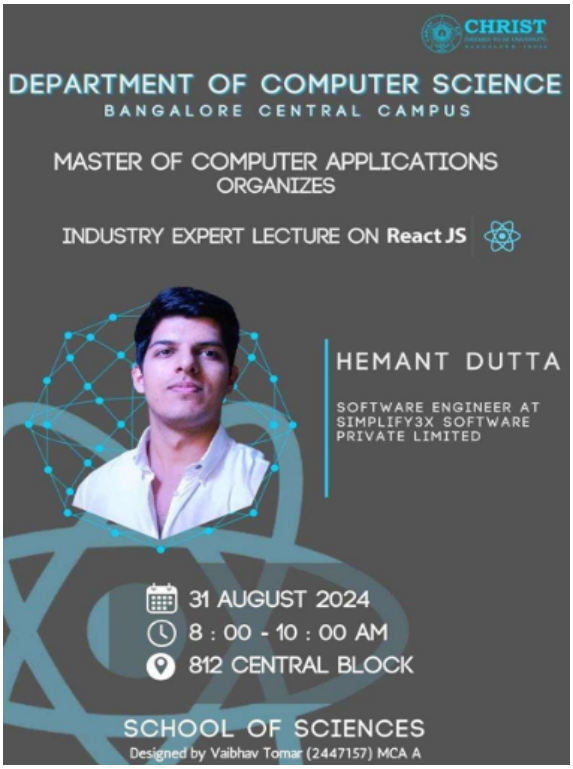




React JS Workshop

Date: 31 August 2024
Venue: Central Block, CHRIST (Deemed to be University)
No. of participants: 60

The Department of Computer Science at CHRIST (Deemed to be University) organised a hands-on React JS Workshop led by Hemant Dutta, Software Engineer at Simplify3x Software Private Limited. The session was conducted through a mix of interactive lectures and practical exercises, beginning with the fundamentals of React such as components, JSX syntax, and the virtual DOM, before progressing to state and props management for handling data and communication between components. Hemant Dutta also introduced React Hooks, particularly useState and useEffect, demonstrating how they simplify code and manage side effects in functional components, along with covering event handling, conditional rendering, and component styling. The workshop was designed to equip students with practical, industry-relevant front-end development skills and strengthen their understanding of modern React practices beyond classroom learning. Its impact was evident in the hands-on engagement of participants, who worked through around 80% of core React concepts within the session and left with the ability to build dynamic, high-performance user interfaces. The workshop successfully bridged theoretical knowledge with real-world application, preparing students to further build web applications using React with continued practice.







Tech Tank

Date: 13 September 2024
Venue: Meeting Hall, Central Block, Room No. 105, Christ University, Bangalore, P.O.: 560029
No. of participants: 70

Class 3 BCA A organised a mobile application pitching event titled "Tech Tank," centred on the Sustainable Development Goals (SDGs). The activity was carried out with students working in teams to design and develop mobile applications addressing specific SDG challenges, such as quality education, clean energy, and poverty eradication. Each team then pitched their app concept, explaining its purpose and how it contributed to one or more SDGs. The event was organised to encourage collaboration, innovation, and practical problem-solving among students, while helping them apply technical and design skills to real-world social and environmental issues. It also aimed to build awareness and a sense of responsibility toward global sustainability goals through hands-on, technology-driven solutions. As an outcome, participants strengthened their teamwork and technical abilities, gained deeper insight into global challenges, and had the opportunity to showcase their creativity in addressing SDG-related problems through mobile technology. The event successfully combined innovation with social responsibility, encouraging students to think critically about how technology can be leveraged to create meaningful, sustainable impact.







4th National Exports Competitiveness Summit 2024

Date: 18 December 2024
Venue: India Habitat Centre, New Delhi
No. of participants: 150

The Department of Economics at CHRIST (Deemed to be University), Delhi NCR, in collaboration with the Confederation of Indian Industry (CII), organised the 4th National Exports Competitiveness Summit, featuring Mr Jitin Prasada, Hon'ble Minister of State for Commerce & Industry, as Guest of Honour, along with Mr Santosh Kumar Sarangi, Director General of Foreign Trade, Mr Ajay Bhadoo, Additional Secretary of Commerce, and other esteemed industry leaders. The summit was conducted through a series of key sessions covering infrastructure investment, quality and standards, MSME empowerment, and services trade, bringing together policymakers, industry experts, academicians, and entrepreneurs for focused discussions and actionable insights. The event was organised to address persistent export challenges and propose strategies to strengthen India's global trade competitiveness, with emphasis on infrastructure modernisation, simplified trade policies, digital adoption, and alignment with international quality benchmarks. Its impact lay in fostering meaningful collaboration between government and industry stakeholders, highlighting the need for targeted MSME financing and support, and underscoring sustainability and services trade as critical levers for export growth, equipping participants with practical strategies to enhance India's position in global markets.







IEEE STUDENT BRANCH INAUGURATION

Date: 28 January 2025
Venue: Central Block, Christ Central Campus
No. of participants: 350

The Department of Computer Science at CHRIST (Deemed to be University) officially inaugurated its IEEE Student Branch at the Bangalore Central Campus, with esteemed guests Dr Chengappa Munjandira, Vice Chair of IEEE Bangalore Section, and Mr Srikanth Chandrasekaran, Country Head of IEEE India, gracing the occasion. The inauguration ceremony was conducted with enthusiastic participation from students and faculty, and included the formal introduction of the branch's core team, comprising a Chairperson, Vice Chairperson, Secretary, Treasurer, Webmaster, and Membership Development Chair, who will steer its future activities. The branch was established to foster innovation, collaboration, and technical excellence among students by organising workshops, networking events, and competitions that go beyond the standard curriculum. The event's impact was both academic and cultural: students gained access to a network of IEEE professionals, opening avenues for mentorship and future career opportunities, while also experiencing a renewed sense of community among tech-enthusiastic peers. Exposure to prominent industry leaders broadened students' perspectives on leadership and emerging technology trends, positioning the new branch as a catalyst for sustained technological engagement and innovation within the university.







SDG Week 2025: Creative Contributions

Date: 05 March 2025
Venue: Bangalore Central Campus

The Department of Computer Science organised "SDG Week 2025: Creative Contributions," featuring an Innovative Idea Challenge as its centrepiece. The activity was carried out by inviting students to submit original ideas addressing various Sustainable Development Goals, after which a set of ideas was selected, and their proposers presented them in poster format. The selected posters, covering themes such as traffic management, green commuting, recipe generation from leftover food, waste management using AI and IoT, offline payment interfaces, and climate-responsive design, were displayed at a stall for wider viewing. The activity was organised to encourage students to think creatively about real-world sustainability challenges and to provide a platform for budding innovators to showcase practical, SDG-aligned solutions. As an outcome, participants received feedback from industry experts on their ideas, gained exposure to translating conceptual thinking into structured visual presentations, and strengthened their understanding of how technology and innovation can address pressing social and environmental issues. The event fostered a spirit of creativity, critical thinking, and sustainability-driven problem-solving among the student community.





SDG Week Stall

Date: 05 March 2025
Venue: Garden Street, CHRIST(Deemed to be University), Central Campus.
No. of participants: 100-150

The Department of Computer Science organised an "SDG Week Stall" as part of the broader SDG Week event, focused on demonstrating sustainability through IoT technologies. The activity was carried out by having students exhibit a range of IoT-based projects aimed at promoting sustainable practices, with a key highlight being the development and live demonstration of an SDG-based chatbot designed to provide real-time information and support related to sustainability initiatives. Interactive sessions and presentations accompanied the exhibits, allowing visitors to engage directly with the projects and understand the role of IoT in advancing the Sustainable Development Goals. The stall was organised to raise awareness about SDGs among the wider campus community and to give students a platform to apply their technical skills to real-world sustainability challenges. As an outcome, the event successfully showcased innovative, technology-driven solutions for sustainability, sparked meaningful discussions among faculty and students from across departments, and fostered a spirit of collaboration and innovation aligned with the SDGs, making it an insightful and well-received part of SDG Week.







Bootcamp on "Building Retrieval-Augmented Generation (RAG) with SingleStore"

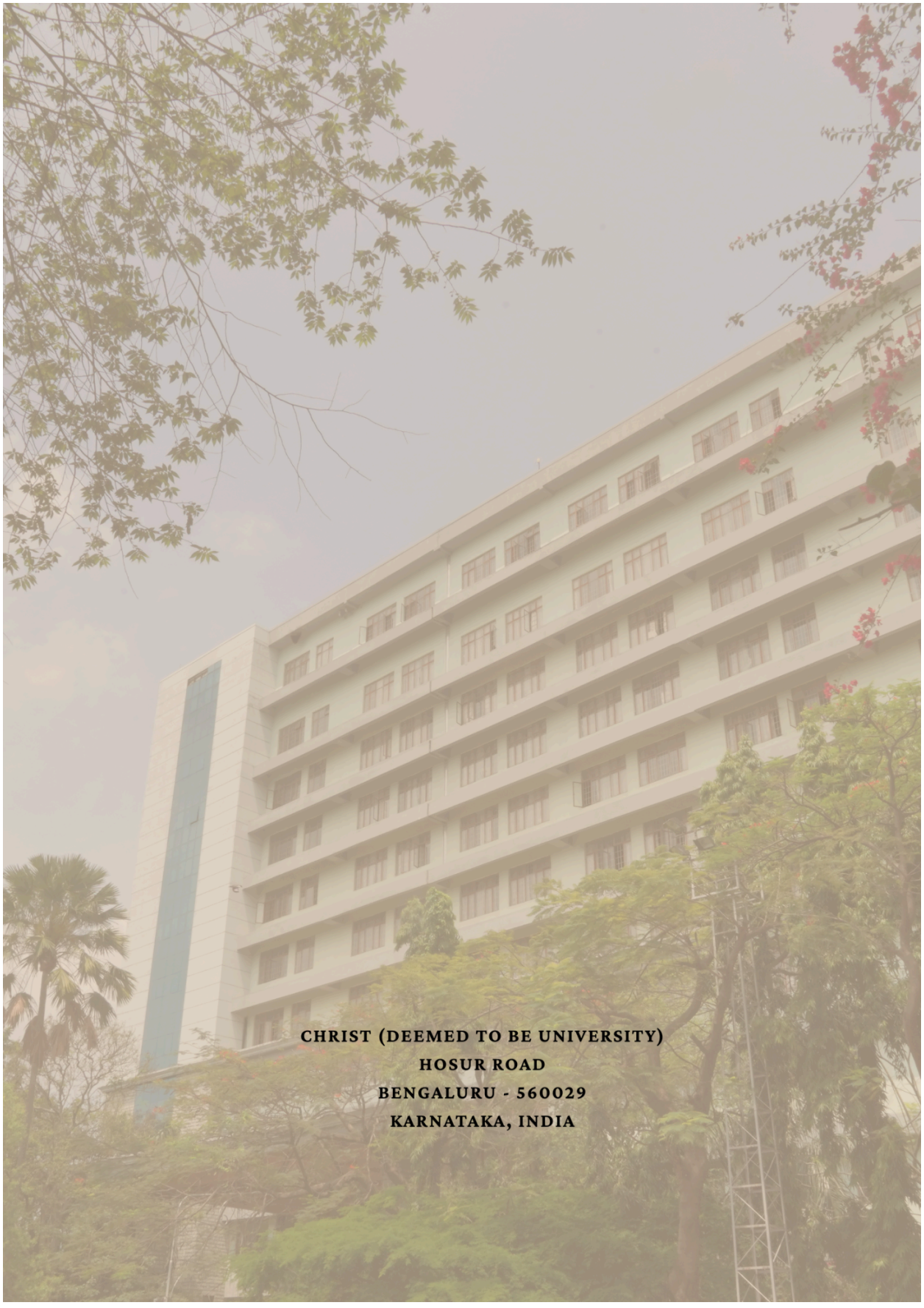
Date: 05 March 2025
Venue: Assembly Hall, Block 2
No. of participants: 28

The Department of Computer Science, in association with the IEEE Student Chapter and SDG Cell, organised a hands-on bootcamp on Building Retrieval-Augmented Generation (RAG) with SingleStore, led by Dr Leena Shibu, Education Specialist at SingleStore. The bootcamp was conducted as an interactive, hands-on session where selected students were guided through the practical aspects of building RAG applications, a technique that combines large language models with external data retrieval to enhance generation capabilities. The activity was organised to give students exposure to this rapidly growing area of computer science, providing them with in-demand, practical skills while aligning the learning experience with SDG 9 (Industry, Innovation, and Infrastructure). As an outcome, participants gained valuable hands-on expertise in RAG implementation, strengthening their academic profiles and improving their competitiveness in the job market. The session, led by an industry expert, offered exposure to real-world applications and best practices, while also fostering collaboration among students through a shared learning experience. Overall, the bootcamp successfully integrated academic learning with real-world, industry-relevant applications, broadening participants' understanding of technology's role in advancing global sustainability goals.









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