



REVA UNIVERSITY

Bengaluru, India

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School of Computer Science and Applications

School of Computer Science and Applications

Editorial

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Placement Training

School of CSA organised a placement training for the students of I semester MCA and M.Sc. (Data Science) students of 2024 batch on 2nd to 6th January 2023 from BIZOTIC Talent. The Benchmarking test covered all the four areas viz Quantitative Aptitude, Logical Reasoning, Verbal Ability and Technical. The test was held on Thursday, 29th December 2022 for the students of 2023 Batch. Post the Pre-Assessment test, the students were able to view the in depth analysis of their performance. The test was conducted for a duration of 80 minutes. A total of 186 students attempted the test. The module was designed for the technical and aptitude training for the students



Outreach Activity

School of CSA piloted an outreach activity to primary government school - Arebinamangala on account of Founder's day. A fun oriented commotion like Memory Chain, Pictionary, Busting Balloon and Balloon Train games were conducted to students on 4th Jan 2023. Students devotedly took active participation in all the games and adored the activity. On 6th Jan 2023, the Founder's Day was celebrated with the children of all grades. The faculty members of CSA amalgamated together for the celebration and prizes were announced to the students. The prize winner of all the games were awarded with beneficial gifts like compass box, craft papers and colour pencil according to their prerequisite. Students relished the Chancellor's birthday cake and enjoyed with their gifts



Skill Development Program on Azure Fundamental

The School of CSA conducted a Skill Development Program on Microsoft Azure Fundamentals from 9 th Jan 2023 to 13 th Jan 2023 for the students of III semester M.Sc. (Data Science). Mr. Anam S. was the training expertise for the session. The training topics concealed at session are basics of cloud computing, benefits of using cloud service, cloud service types, the core architectural components of Azure, Azure compute and networking services, Azure storage services, Azure identity, access, and security, cost management in Azure, features and tools in Azure for governance and compliance, features and tools for managing and deploying Azure resources, monitoring tools in Azure. Students are benefitted with hands of experience were able to access Azure portal. The training session facilitated students to prepare for AZ-900 exam. On the last day of the event, students appeared for Global Certification Examination. The students were excited after clearing the certification examination, as they get an added advantage for getting placed in reputed companies.



Skill Development Program on Azure Fundamental

The School of CSA conducted a Skill Development Program on Microsoft Azure Fundamentals from 9 th Jan 2024 to 13 th Jan 2023 for the students of III semester MCA. Mr. Abhishek S, Mr. Anoop Desai, Mr. Sri Harsha was the training expertise for the session. The training topics concealed at session are basics of cloud computing, benefits of using cloud service, cloud service types, the core architectural components of Azure, Azure compute and networking services, Azure storage services, Azure identity, access, and security, cost management in Azure, features and tools in Azure for governance and compliance, features and tools for managing and deploying Azure resources monitoring tools in Azure. Students are benefitted with hands of experience were able to access Azure portal. The training session facilitated students to prepare for AZ-900 exam. On the last day of the event, students appeared for Global Certification Examination. The students were excited after clearing the certification examination, as they get an added advantage for getting placed in reputed companies.

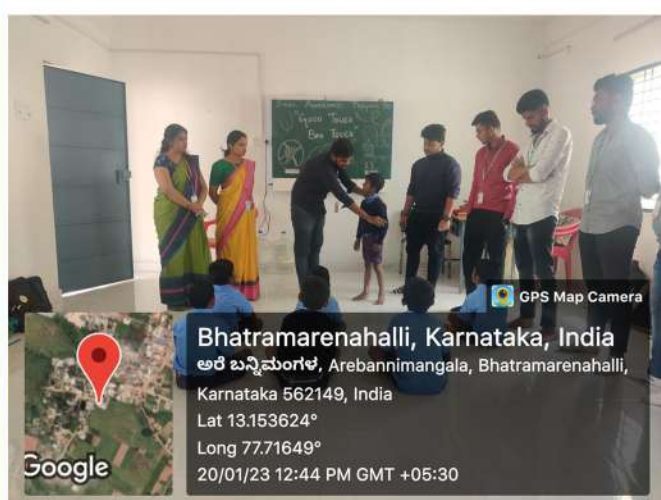


Skill Development Program on Data Science with Python

The School of CSA conducted a Skill Development Program on Data Science with Python from 9 th Jan 2023 to 12 th Jan 2023 for the students of I semester M.Sc.(Data Science). Mr. Aditya was the training expertise for the session. The training topics covered at session are basics of python language, Industrial applications, Important terminologies, Data acquisition (CSV, Excel, Json, SQL), Data Preparation, Outlier analysis, Descriptive analysis, Diagnostic analysis, Predictive analysis, Cognitive analysis, Data cleaning, Anaconda environment management Data Visualization, Intro to matplotlib, Line plot, Bar plot, Pie plot and Styling. The training sessions made student's ability to describe the concepts models in Python, students were assigned with the case study and made to work in teams. On the last day of the event, students appeared for Global Certification Examination. The students were agitated after clearing the certification examination as the certification is a feather to their profile to get placed in reputed companies.



Social Awareness Program – Good Touch and Bad Touch



School of CSA conducted a Social Awareness Program to establish a beneficial connection between the people and organization. A one day awareness program about Good Touch and Bad Touch was organized to primary government school –Arebinamangala on 20 th Jan 2023. Students of MSc and MCA demonstrated about different touch using a doll. The girls and boys were educated separately. The aim of this activity is to educate the society. REVA University initiated such programs to reach the adopted school and educate the school children with such awareness programs. The beneficiaries for the program are from Class I to Class V students. The students were able to differentiate between the different touch and aware about the unusual touch. The students were also educated to inform their mother if they face any such unusual matters. Students acknowledged the different touch with action.

Expert Lecture on Exemplifying Research Journey through Biometric

The talk on "Exemplifying Research Journey through Biometrics" was conducted on 23rd January 2023 at the School of Computer Science and Applications, REVA University. The eminent speaker for the event was Dr. B H Shekar, a professor of computer science at Mangalore University. Dr. Shekar shared his compassions by explaining the importance of biometrics in various fields, including security, healthcare, and banking. Further, the speaker described the various types of biometric systems, such as fingerprint recognition, iris recognition, and facial recognition. Also, the discussion continued with the challenges faced in implementing biometric systems, including issues related to accuracy, security, and privacy. He emphasized the need for research in the field to address these challenges and improve the performance of biometric systems. The speaker's talk was an excellent example of how research in a field can be translated into meaningful insights and contributions to society.



Workshop on Managing API's with Apigee

School of CSA organised a two day workshop on Managing API's with Apigee on 27th and 28th January 2023, at Swami Vivekananda Block. The Resource Person for the event was Mr. Shreyank B.P, Programmer Analyst from Cognizant, Bangalore. The program was conducted to explore the concepts in Understanding APIs and API proxies, Apigee Edge, and Apigee Docs. Create and manage custom reports describes how to use the Apigee UI to create and run custom reports. Also aims to give those responsible for API programs the strategic guidance and tools they need to do just that—to establish an "API product mindset" How an API is designed can dictate how easily developers can consume it and thus how easily it can be leveraged in new ways in the future.



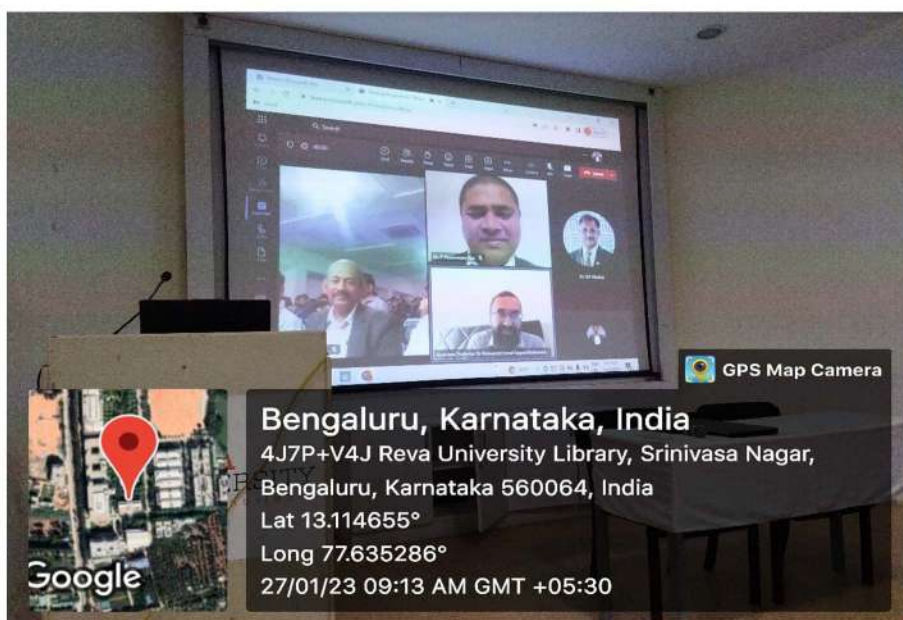
FDP on Artificial Intelligence and Machine Learning

School of CSA and REVA NEST in Collaboration with KSTA conducted a Five Days FDP on Artificial Intelligence and Machine Learning from 30th January, 2023 to 3rd February, 2023. The aim of FDP was to make participants gain a solid understanding of the concepts and practical applications of AI and ML using Python. The resource person, Mohammed Azhar Hussain, a knowledgeable, engaging and eminent personality who made the sessions interactive and informative. The hands-on sessions were particularly useful in giving participants a hands-on experience of the algorithms and libraries discussed. Overall, the FDP provided valuable insights and a strong foundation for participants to continue their journey in the field of AI and ML. The participants gained knowledge on various supervised and unsupervised learning techniques and their implementation using popular Python libraries such as NumPy, Pandas, Matplotlib, TensorFlow, and Keras. They were able to develop skills in data visualization, text classification, and image classification using these libraries. The positive feedback received from the participants confirmed that the FDP was a successful and impactful event.



Training Program on Research Methodology

School of Computer Science and Applications in Association with International Relations and Research Collaborations organized REVA International Visiting Professor's Student Development Program series on the topic Research Methodology on 27th Jan, 3rd Feb, 10th Feb, 17th Feb, 10th March and 23rd March of 2023. The Resource person Prof. Syed M Buhari conducted a six day training program for III sem MSc and III sem MCA students. The training session provided students with the skills and knowledge necessary to conduct research effectively and ethically which included learnings to design research studies, collect and analyze data, and draw conclusions from findings. Additionally, a research methodology program aimed to teach students how to critically evaluate existing research and understand the various research methods and approaches available. Finally, students were able to plan and execute research projects independently and communicate their findings clearly and effectively.



Technical Session on Patenting and Copyrights Procedure

University Industry Interaction Centre in association with School of Computer Science and Application organized session on "Session on Patenting and Copyrights Procedure" on 27th January, 2023 from 10.50 am to 12.50 pm for MCA 1st Sem students of CSA. The speaker for the session was Ms Arshiya Ambreen from UIIC Department. Resource person gave a deeper insight of IP the basic characteristics of creations and innovation required for it be called as an IP. The session briefed about the documentation of the patent regarding the format and information in a systematic manner. The Speaker share insights about Copyright, Designs, Trade Mark, Trade Secrets and also the procedure to be followed while drafting a complete specification (Form-2).



Khel Khoj - Indigenous games

REVA University took an initiative in organizing the Khel Khoj- Indigenous games on 11th February 2023. In a Khel Khoj event, each school was given to conduct two games by setting up a stall for game presentation. The school of CSA were assigned to organize the game PAGADE and TREE Climbing, the game PAGADE stall were setup in a Mahabharata theme and TREE CLIMBING stall were decorated with a jungle theme. The students of MCA took active involvement in setting up a stall by playing the characters of Yudhishtira, Bhima, Duryodhana, Shakuni, Shiva and Parvati. The students attracted many visitors by their meticulous presentation, there were more than 200 participants who visited the stall and played the games by registration. At the end of the event winners were identified based on the rules provided and awarded them with a prize.



Talk on CAREER GUIDANCE AND COUNSELLING

School of CSA initiated to help students to take right decision by organising the talk on the Career Guidance and Counselling on 20th February 2023 at Yashaswi PU College, Gowribidanur. A recent survey showed that 93% of Indian students are aware of just seven career options. In comparison, India offers over 250 career options in various domains. This is where career counselling proves to be extremely helpful. A professionally trained career counsellor assists students by imparting knowledge about different career options available and suggesting an ideal career option as per their interests. Every individual must make important career decisions in various stages of life, and career development is a lifetime process. Therefore, career counselling is appropriate for everyone facing challenges in finding the right career path. This program was intended to make students aware of the various career path after 12th. This program gave them lot of career options to choose from.



Talk on TIPS TO HANDLE EXAM STRESS

School of CSA organised a talk on Tips to Handle Exam Stress on 20th February 2023 at Yashaswi PU College, Gowribidanur. To deal with this stress, a talk was conducted and tips were given to handle the exam stress. School and college life can be great fun and exciting, but tiring and stressful too. Students can be stressed about exams, assignments and submissions. Competition is no less! Exam stress in such a young age can be debilitating for the mental and physical health of kids. Success is the sum of small efforts repeated day-in and day-out. Of course, student life isn't always easy. It may get complicated sometimes. You have to face excess study but that's where you can work smartly and achieve what you always wanted to. This program was intended help students deal with the exam stress and tips were given on how to deal with it in exam.



Briefing Session on Infosys Spring Board

School of CSA organized Infosys Spring Board Briefing Session on 24th February 2023 to promote digital literacy among learners and to ensure that every student have access to unify learning on Infosys Spring-board. Students were benefitted with new learning initiatives and capabilities on Infosys platform such as Infosys Coders Zen, Aspire & Achieve, Career Compass, Domain Masterclass sessions, Wonder Girl sessions, Her Journey to Success and Infosys Internships. Professors were also made available with the following feature such as Facilitate to Engage, Authoring courses and assessments on online platforms, virtual classes, elective subjects, Microsites for their course, Telemetry, customized microsite, Virtual Digital Classrooms and Video proctored Exam environments, and Knowledge Board.



Social Awareness Program – Global Wellbeing on account of National Science Day 2023

Social Awareness Program – National Science Day 2023 – Global Wellbeing

On account of National Science Day 2023 theme – Global Science for Global Wellbeing, Social Awareness Program was conducted on 28th February 2023 to establish a beneficial connection between the people and organization. As a part of social awareness program - School of Computer Science and Application from REVA University organized one day awareness program about Global wellbeing to primary government school – Hosahalli. 50 Students of BCA VI sem 'C' Section demonstrated about active lifestyle like healthy food consumption, intake of adequate water and practicing daily exercise will be the steps for wellbeing. Also, the students were educated about the contribution of different Scientist for global science. The students were also educated with different science experiments like density, presence of oxygen and chemical reaction as a part of knowledge sharing. The aim of this activity is to educate the society. REVA University initiated such programs to reach the adopted school and educate the school children with such awareness programs. The students were able to perform the science experiments. The students were also educated to perform certain activities for wellbeing.



REVA NEST Orientation Programme

REVA NEST is a technology business incubator established at REVA University campus that aims to build the entrepreneurial ecosystem by empowering and nurturing student start-ups and incubating innovative technology-based start-ups. REVA NEST is recognized by MSME, and supported by the Government of Karnataka, Department of Science and Technology. REVA NEST team has taken up orientation across the various courses both UG and PG under the School of CSA on 3rd March 2023 to provide an overview of REVA NEST and the facilities available. The orientation has aimed to encourage students to take up internships, product development and other opportunities.



Expert talk on DigitAll: Innovation and Technology for gender Equality

On account of International Women's Day – AVYANNA - 23 was celebrated at school of CSA on 13th March 2023 in Library Seminar Hall by organizing expert talk on "DigitAll: Innovation and Technology for gender Equality" by the guest speaker Dr. Geethanjali P. (PDC & COE, i-Nurture Education Solutions Private Limited, Bangalore). The purpose of celebrating Women's Day was sensitization about "Gender equality and women's empowerment". At the outset of program, the speaker Dr. Geethanjali P offered expert talk on gender equality in Innovation and technology. She talked about Women Entrepreneurship which is necessary to initiate the process of economic development of both developed and developing countries as it is the back bone of economy of any country. Women entrepreneur has been recognized during the last few years as an important untapped source of economic growth. The Quiz competition and games were conducted on the theme Gender Equality. There were 150 students and 15 faculty witnessed the event. The prize distribution for the winners of the competition was awarded. AVYANNA-23 celebration was blissful moment and an excellent opportunity for students. The students benefited with an insightful talk on Gender Equality by Dr. Geethanjali P.



CRICKET CARNIVAL - 23

CRICKET CARNIVAL-23 is an Intra School tournament organized by the school of CSA on 17th March 2023 for all the UG and PG students of CSA. The chief guest for the tournament was Dr. Deepak, Head of Physical Education. There were 13 teams registered, match was conducted in 3 rounds league match, semifinal and final match by creating fixtures on registered teams. The first prize grabbed by 4th Sem BCA -Team-FRIENDS and Runners was 6th Sem BCA-Team- CLAWS-XI. The tournament ended with the prize distribution by chief guest and director. Playing cricket can vary depending on the individual or team involved. It can lead to various personal and professional accomplishments, and promote physical and mental well-being.



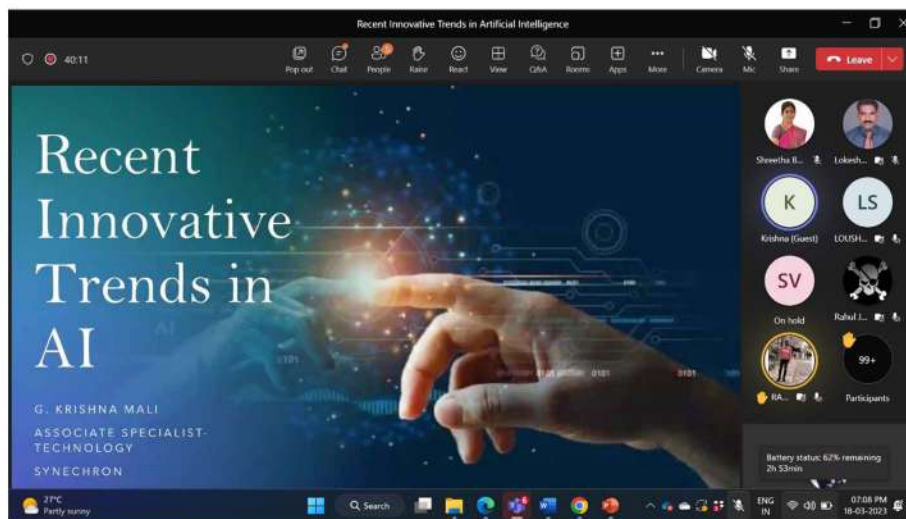
Orientation program – SPARK

School of CSA organized an orientation program called SPARK for PG students on 17th March 2023 from 11am to 1pm. The resource person Dr. Bhasker Satyamurthy, Intelligent Automation Practice Lead from London Stock Exchange group shared his insights on Insights into Corporate Environment. Transition is an on-going process in everyone's life that takes place at different stages. This might be from the final years of school to the early years of higher education, occupational training, independent living or social opportunities. Also it can be from the final years of college/campus to the early years of one's career. Transition from campus to career needs more attention as it involves a lot of planning. The unbiased planning must ensure that the person possesses the necessary skills to enable the person to cope up with the corporate culture and climate. Such programs are initiated to create awareness among students on how corporate works and align them with the reality of corporate world. This helps them to realign with their goals and prepare better.



Expert talk on RECENT INNOVATIVE TRENDS IN ARTIFICIAL INTELLIGENCE

School of CSA organized an expert talk on Recent Innovative Trends in Artificial Intelligence for UG (BCA) students to introduce the current trends in the Computer Science field on 18th March 2023 from 7pm to 8pm through online mode. The amount of data that is generated, by both humans and machines, far outpaces humans' ability to absorb, interpret, and make complex decisions based on that data. Artificial intelligence forms the basis for all computer learning and is the future of all complex decision making. Applications of AI can be seen in everyday scenarios such as financial services fraud detection, retail purchase predictions, and online customer support interactions. To give an insight on these upcoming trends in AI. Expert talk was organized. Recent Innovative Trends in the field of AI were introduced and gave them an insight on the various career opportunities they can explore in Artificial Intelligence.



Industrial visit to C37 RAIL WHEEL FACTORY

As part of industry interaction, the School of Computer Science and Applications organized an Industrial visit to "C37 Health Care Pvt Ltd" located in Peenya Industrial Area Bengaluru. Faculty Members along with BCA students and B.Sc. (Cyber Security) III semester students visited "Rail Wheel Factory", Bengaluru on 11-02-23, 04-03-23, 18-03-23 at 1 PM. Rail Wheel Factory (Formerly known as Wheel and Axle Plant) is situated in Bangalore, Karnataka, India. It is a state-of-the-art plant, meeting bulk of the requirement of wheels, axles and wheel sets for the Indian Railways. The spare capacity available is profitably utilised to meet the domestic demands for non-railway customers and exports. As BCA students, they looked onto the aspect of technology and automation currently being used in making rail wheel and axle. They also beheld into the futuristic aspect of exporting the wheel and axle if automation process could be enhanced. As BCA students, they observed onto the aspect of technology and automation currently being used in making rail wheel and axle. They also looked into the futuristic aspect of exporting the wheel and axle if automation process could be enhanced.



Seminar on CLOUD SECURITY

School of CSA conducted a seminar on Cloud Security for B.Sc.(Hons) and B.Sc.(Cyber Security) students on 24th March 2023 from 11am to 12:30pm at Aryabhata Seminar Hall. Mr.Samik Roy, Lead Cloud Developer, OpenSystems, Zurich, Switzerland was the resource person for this event. Cloud security is a collection of procedures and technology designed to address external and internal threats to business security. Organizations need cloud security as they move toward their digital transformation strategy and incorporate cloud-based tools and services as part of their infrastructure. The resource person shared his expertise in Implementation of 2FA in cloud, securing the cloud, How to use the cloud and maintain the security, Importance of encrypting the data in cloud, Monitor the cloud based services, Real-Scenarios based on security attacks.



Workshop on Painting with Water Colours

School of CSA conducted a workshop on topic PAINTING WITH WATER COLOURS to give the students of animation and multimedia some basic overview on water colour painting on 24th and 25th March 2023 for B.Sc. (Multimedia) students. This technique is implied on Art and 2d Animation, Graphic Design, 3D modelling and Game Design. The students were able to get hands-on-experience on working with water colours. The resource person is Ms. Aishwarya Udayashankar, Branding, Illustration and Muralist, Founder, Studio 6th CG, Bangalore. Branding, illustration and muralist. Her practice evolved over a decade into advertising, branding and marketing through visual communication all over India.



Expert talk on DECODING METAVERSE OPPORTUNITIES

School of CSA organized an expert talk on Decoding Metaverse Opportunities for 200 students across UG and PG to incline and motivate them towards new technology on 29th March 2023 from 10 am to 12:30 pm. The expertise is Dr. Madhan Kumar Srinivasan, CEO and co-founder, Wise Work. The resource person gave insights as to what the research is going on in Metaverse and what technologies students should learn to in order to make their career in this new innovative technology. Meta and Microsoft are only two of the businesses working on technologies for interacting with virtual environments. Many other major firms are building the infrastructure required to develop better virtual and more realistic worlds. To create awareness among students on trending technologies and help them to choose the right career path.



Outreach Activity through Education on Wheels

Outreach activity help the students to build a sense of responsibility and sensitivity towards the society, in this regards the School of Computer Science and Applications conducted knowledge sharing program at Hosahalli primary government school on 30th March 2023 through the vehicle know as Education on Wheels. The Vehicle is mounted with computer systems and well equipped with a big screen monitor and centralized air conditioner. Such programs are initiated to overcome the digital literacy among adopted schools and backward schools to educate the school children with the basics of computer. The Class I to V students were introduced MS word and MS Paint applications and also explained how to use the tools of the application. At the end 27 certificates were issued to each student giving stars as a grade in the certificate based on their performance. Students anticipated their artistic minds by designing some art on the application.

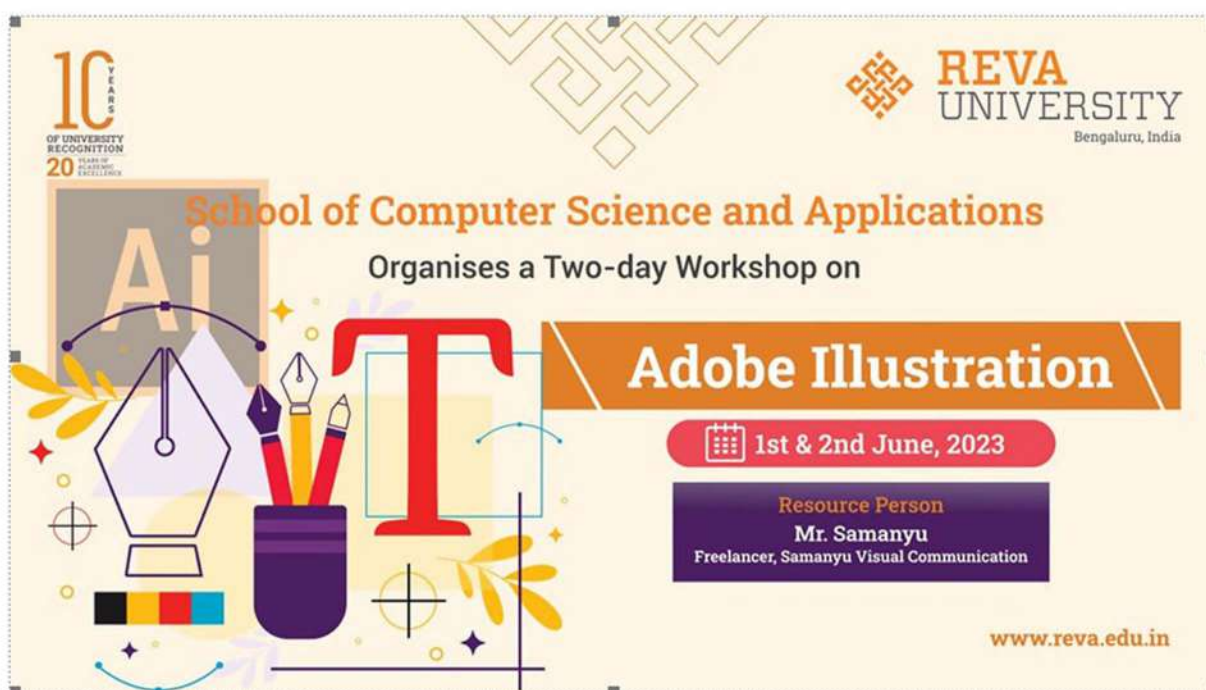


Workshop on “Fundamentals of Deep Learning”

School of Computer Science and Applications organized a Workshop on “Fundamentals of Deep Learning” for the BCA & MSC(DS) students on 26th and 27th May 2023. The Resource Person was Mr. Niranjan Hegde, Software Developer, Natixis, Bengaluru. During the session, Mr. Niranjan Hegde explained the importance of understanding the machine learning and deep learning applications. The two-day workshop on “Fundamentals of Deep Learning” was organized on 26th and 27th May 2023 to provide participants with a comprehensive understanding of deep learning and its application in various fields, particularly in image classification projects. The workshop aimed to equip attendees with the necessary knowledge and skills to pursue machine learning and AI projects effectively.

Two days Hands-on Workshop on Adobe Illustration

The School of Computer Science and Applications organized a Workshop on “Adobe illustration” for the CSA students on 2-3rd June 2023. During the session, Samanyu has taught several workshops on various graphic design software, but his recent venture into teaching an Adobe Illustrator workshop has been particularly remarkable. The Adobe Illustrator workshop offered by Samanyu provided participants with a unique opportunity to dive deep into the world of digital art and illustration. The workshop covered a wide range of topics, including the basics of Adobe Illustrator, advanced techniques for creating stunning vector graphics, and practical exercises to apply the learned concepts. With Samanyu’s guidance, participants not only learned how to navigate the Adobe Illustrator interface with ease but also discovered the endless possibilities it offers for unleashing their creativity.



International Conference on Innovative Computing Technologies and Applications (ICICTA 2023)

Two days International Conference on Innovative Computing Technologies and Applications was organized by School of Computer Science and Applications, REVA University, Bengaluru on June 15th and 16th, 2023.

The inaugural ceremony was on 15th June 2023, Dr. N. Sundararajan, Professor, School of EEE, NT University, Singapore was the Chief Guest, Ms. Vinutha Rao M S, Global Head – Talent Acquisition and Development, HCL Technologies and Dr. Revathy Padmanaban, Associate Director, Strategy & Transformation, PepsiCo, Hyderabad was the Guests of Honour.

On first day of the conference, morning Technical Session on “Charting Your Path in the Age of Innovation” was delivered by Ms. Vinutha Rao M S, Global Head – Talent Acquisition and Development, Digital Business, HCL Technologies

The second Technical Session on “Recent Advances in Predictive Motion Planning with Reinforcement Learning for Autonomous Vehicles” was delivered by Dr. N. Sundararajan Professor (Retd.), School of EEE, Nanyang Technological University, Singapore.

On the second day of the conference, first technical session on “Explosive growth of AI and Big Data: Need for Explainability and Ethics in autonomous systems applications” was delivered by Dr. Vineetha Menon, Associate Professor, Department of Computer Science, Director, Big Data Analytics Lab, University of Alabama, Huntsville. Second technical session on “Making your network ready for Cyber Forensics Analysis”, was delivered by Mr. Nishant Krishna, Co-Founder and Chief Technology Officer, TechMachinery Labs, Bengaluru

Third technical session on “Video Analytics in Reality : Challenges and Opportunities”, was delivered by Dr. D S Guru, Professor, Department of Studies in Computer Science, University of Mysore, Mysuru.

Final technical session on “Monolithic to Microservice, the way”, was delivered by Mr. Saravana Kumar Umapathy, Senior Engineering Manager, Rakuten Asia, Singapore.

This Conference had 23 different tracks in varied domains such as Artificial Intelligence, Cloud Computing, Data Mining, Cryptography & Network Security, Deep Learning, Internet of Things, Mobile Computing, Robotics, Real Time Systems, Blockchain, Internet and Web Application, Swarm Intelligence, Quantum Computing, Neuromorphic computing and Grid Computing. Each track was chaired by the renowned Professors.



Medical Camp - PARIKSHANAM 2023

To provide accessible healthcare services for all the REVA university staff members, students and parents, PARIKSHANAM 2023 (A healthy body holds a healthy soul and mind) a two-day Medical Camp was organized by the school of computer science and Applications on 18th and 19th may 2023. The medical camp was inaugurated by our honorable chancellor Dr. P Shamaraju. The event aimed to diagnose and treat common health issues, raise health awareness and maintain a healthy life. The services offered in this medical camp were Bone Mineral Density (BMD), Breast Cancer Screening, Height, Weight, Blood Pressure, ECG, Eye Screening, Thyroid, Cholesterol and Ayurveda General Consultancy.

The medical camp was planned for two days the medical services were proffered by various hospitals such as BP, Height, Weight, Blood Pressure by Apollo hospital, Thyroid and Cholesterol Tests by Metropolis, Eye Screening by Ranga lakshmi Netralaya. The breast cancer screening service offered through the Pink Express by mobile breast cancer screening center, Rotary Bangalore Palmville. The general consultancy service provided by Adichunchanagiri Ayurveda Medical College.

There were 1500 beneficiaries got their BP, Blood Sugar, thyroid, eye screening checked, 64 beneficiaries got breast cancer screening and 488 people got bone mineral density test. During evaluation, it was observed that some patients required further management.



REVOTHSAVA 2023 – Face Painting

As part of REVOTHSAVA 2023, School of CSA organized FACE PAINTING Event on 28/4/2023 at 10:30 am. Out of 18 registrations 13 of them took part in the event from various colleges and universities. The Event had two rounds, the theme ILLUSION was given to paint in the first round for 2hrs. Second round was about briefing their art and judges interacted with each participant. The participants created a great creative outlet form their art painting, the event was beyond the world of traditional drawing and painting.



Expert Lecture on “MACHINE LEARNING IN HEALTH CARE”

School of Computer Science and Applications organized an expert lecture on “MACHINE LEARNING IN HEALTH CARE” for BCA students to motivate them towards new technology. Machine learning is a growing technology which enables computers to learn automatically from past data. Machine learning uses various algorithms for building mathematical models and making predictions using historical data or information. Currently, it is being used for various tasks such as image recognition, speech recognition, email filtering, Facebook auto-tagging, recommended system, and many more. For the healthcare industry, machine learning algorithms are particularly valuable because they can help us make sense of the massive amounts of healthcare data that is generated every day within electronic health records. Using machine learning in healthcare like machine learning algorithms can help us find patterns and insights in medical data that would be impossible to find manually. The resource person gave insights as to what the research is going on in Machine Learning In Health Care and what technologies students should learn to in order to make their career in this new innovative technology.



Session on Understanding Emotional Intelligence and Emotion Regulation

School of Computer Science and Application organized a session on Understanding Emotional Intelligence and Emotion Regulation faculties of CSA. The session provided a platform to understand themselves at their emotional front and have given the insights on regulating their emotions. The event helped the participants to work towards creating an environment conducive for themselves and the people around, be it at personal front or at professional front. The participants actively involved in the session and took up all the activities planned with all the enthusiasm

Technical Talk on Managing Cloud Security

School of Computer science and applications organised technical talk on managing cloud security to provide valuable insights into the challenges, strategies and the best practises associated with ensuring robust security in cloud computing. Environment. The talk focused on addressing the growing concern of organisation and individuals regarding data protection privacy and risk management in the cloud. The speaker began by discussing the fundamentals of cloud security, highlighting the unique security consideration that arise when using cloud services. The session included aspects such as shared responsibilities models data encryption, control and compliance requirement. The audience gained a clear understanding of the shared responsibility between cloud service providers and cloud users in securing their data.



10
OF UNIVERSITY
RECOGNITION
20
Years of
Education

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications
Organises an Expert talk on

Managing Cloud Security

20th April, 2023 11:00 AM to 12:30 PM

Resource Person
Mr. Somasekhar
Director, Global risk Management
Oracle, Bangalore

Audience: II & IV B.Sc. Students

Library Seminar Hall

www.reva.edu.in

Outreach Activity – Orphanage Visit

School of CSA from REVA University organized a Social Awareness Program on “Orphanage Laws in India: Protection of Orphanage Children” at Kritagyata Trust, Yelahanka on 4/5/2023. Students of CSA presented existing legal rights of orphan, orphanages and charitable homes, relevant laws and statues and the orphan child bills. The orphans were encouraged to do well in their studies and to be independent in life. The kids were donated with two line, box line, four line and single line notebooks. Every child in the trust is aware of different laws and rights of orphans after this session. The students were confident enough about achieving their goals and ambition.



SDP on Business Analytics using Power BI

The School of CSA conducted a Skill Development Program on Business Analytics using Power BI from 11th May 2023 to 15th May 2023 for the students of I semester MCA. Mr. Vijay B R, Ms. Megha & Ms. Nandini was the training expertise for the session. The training topics concealed at session is Power BI. Power BI is a tool for data analytics that allows users to connect to and transform data with advanced data preparation capabilities. Users can create interactive data visualizations and uncover important insights. To use Power BI for data analytics, users can explore statistical summary, identify outliers with Power BI visuals, group and bin data for analysis, apply clustering techniques, conduct time series analysis, use the Analyze feature, and use advanced analytics custom visuals. Some elements of business analytics include Data aggregation, Data mining, Forecasting, Text mining and Visualization. Totally 180 students participated in the session.

SDP on Linux Fundamentals

The School of CSA conducted a Skill Development Program on Linux Fundamentals from 22nd May 2023 to 26th May 2023 for the students of II semester B.Sc(Hons), II sem B.Sc(Cyber Security), 8 th May 2023 to 13 th May for the students of II sem BCA and 15 th May to 19 th May 2023 for the students of IV sem BCA. Ms. Shivani Shukla, Mr. Tausif Shaikh, Mr. Sagar Desai, Mr. K Ramchand, Mr. Rudra Prasad Nayak and Mr. Praveen Jogaru from Prodevans Technologies was the training expertise for the session. The training topics concealed at session is Linux Fundamentals. Open-source technology like Linux has been shaping tech companies over the years, from being the preferred tool of programmers to the default choice for software architecture in organizations worldwide. As data becomes more ubiquitous and valuable, open-source has transformed how organizations do business. The session was conducted on the topics Access the Command Line, Manage Files from the Command Line, Get Help in Red Hat Enterprise Linux, Create, View, and Edit Text Files, Manage Local Users and Groups, Control Access to Files, Monitor and Manage Linux Processes, Control Services and Daemons, Configure and Secure SSH, Analyse and Store Logs, Manage Networking, Archive and Transfer Files, Install and Update Software Packages. Students got the idea about importance of Linux and importance of having Redhat certification. Got an idea about Open source. All The students are interested in learning Linux.

SDP on HTML and CSS (Pearson IT)

The School of CSA conducted a Skill Development Program on HTML and CSS (Pearson IT) from 5th June 2023 to 9th June 2023 for the students of II semester B.Sc (Multimedia) and IV Sem B.Sc(Multimedia). Mr. Manas and Mr. Bhanu from EDVISE was the training expertise for the session. HTML and CSS go hand in hand for developing flexible, attractive, and user-friendly websites. HTML (Hyper Text Mark-up Language) is used to show content on the page whereas CSS is used for presenting the page. HTML describes the structure of a Website semantically along with presentation cues, making it a mark-up language, rather than a programming language. HTML allows images and objects to be embedded and can be used to create interactive forms. Pictures are attached below taken during the event which clearly shows the activeness of the Trainer and the attentiveness of the Students. The training topics concealed at session is to construct mark-up that uses metadata elements, well-formed page markup, analyze and implement inline styles, internal (embedded) style sheets, and external style sheets, construct and analyze rule sets, structure content and organise, markup that uses HTML5 semantic elements, markup that implements navigation. By the end of this course, student will have a basic & thorough understanding of HTML & CSS. Upon completion student will be able to code a handful of useful HTML& CSS examples.



10 YEARS OF UNIVERSITY RECOGNITION

REVA UIIC

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications
in association with UIIC cell

Organises a Skill Development Program on

Pearson IT - HTML & CSS

5th to 9th June, 2023

Students: II Semester B.Sc (M&A)

www.reva.edu.in

SDP on Ethical Hacking Associate

The School of CSA conducted a Skill Development Program on Ethical Hacking Associate from 22nd May 2023 to 25th May 2023 for the students of II semester M.Sc., 26 th June to 30 th June 2023 for the students of IV sem B.Sc.(Cyber Security) and IV sem B.Sc.(Hons). Ms. Arya from Active Edu Technologies was the training expertise for the session. The Ethical Hacking Associate certification demonstrates an individual's knowledge in information security and network security, including the tools and methodologies of a malicious hacker, but in a lawful and legitimate manner. This credential certifies individuals at an entry-level of network security discipline of ethical hacking from a vendor-neutral perspective. The training topics concealed at session is advanced networking, advanced security, Threat analysis, Auditing, documentation and logs, Configure security systems and Infrastructure and deployment. The outcome of the event was students learned fundamental understanding of various computer and network security threats such as identity theft, credit card fraud, online banking phishing scams, virus and backdoors, emails hoaxes, sex offenders lurking online, loss of confidential information, hacking attacks and social engineering.

10 YEARS
OF UNIVERSITY
RECOGNITION
20
YEARS OF
ACADEMIC
EXCELLENCE

REVA
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UNIVERSITY
Bengaluru, India

School of Computer Science and Applications
in association with UIIC cell

Organises a Skill Development Program on

Ethical Hacking Associate

Semester: M.Sc(Data Science) - II Semester

22nd to 25th May, 2023

www.reva.edu.in

Two day's hands on workshop on Ethical Hacking

School of CSA organised a two day's hands on workshop on Ethical Hacking from 9th June to 10th June 2023 for the students of II B.Sc. (Hons). Mr. Kiran N C from Brainstorm Infotech concealed the concept of Ethical Hacking, skills of a Hacker, Need of Ethical Hacking, Process of Ethical Hacking and phases of Ethical Hacking. Describing how to experience different attacks. Ethical Hacking Workshop mainly focuses on the students eager to be a White Hat Hacker. It features a brief introduction to the world of hacking starting with the importance of ethical hackers and their need in today's world scenario, including to the basics of networking that will help you have a deep understanding of the working of internet. Totally 58 students participated enthusiastically and were able to work on real time examples.

The banner features a dark blue background with a subtle geometric pattern. In the top left corner, there is a logo for '10 YEARS OF UNIVERSITY RECOGNITION' with '20 YEARS OF EXCELLENCE' below it. In the top right corner, the 'REVA UNIVERSITY' logo is displayed with 'Bengaluru, India' underneath. The central text reads 'School of Computer Science and Applications Organises a Two-day Hands-on Workshop on Ethical Hacking'. Below this, a red pill-shaped button contains a calendar icon and the dates '9th to 10th June, 2023'. A circular portrait of Kiran N C is shown next to his name and title: 'Resource Person KIRAN N C IT Manager at Brainstorm Infotech'. The website 'www.reva.edu.in' is listed in the bottom right corner.

10 YEARS OF UNIVERSITY RECOGNITION
20 YEARS OF EXCELLENCE

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Bengaluru, India

School of Computer Science and Applications
Organises a Two-day Hands-on Workshop on

Ethical Hacking

9th to 10th June, 2023

Resource Person
KIRAN N C
IT Manager at Brainstorm Infotech

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