B.S. Abdur Rahman Crescent Institute of Science & Technology

Crescent LINE

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CONTENTS

DevXperience
page 01

IIC Regional Meet
page 03

One Day National Seminar
page 09

DevXperience

The inaugural DevXperience (Coding Contest #1) brought together passionate coders for an engrossing competition organised by the **CSE Coding Club** in collaboration with the Department of Computer Science and Engineering. The event was coordinated by **Dr. N. Gopinath and Dr. S. R Senthilkumar**, along with the third-year office bearers from the Computer Science and Engineering department. The event took place on November 4, 2023, at the Computer Geeks Laboratory, 1st Floor, Computer Sciences Block. Both rounds of the event were held at the same venue. The Hackerrank platform was utilized to proctor the test and provide an Integrated Development Environment (IDE) for the participants. This encompassed appropriate test cases to evaluate their code, with an AI proctor to prevent malpractice.

The event comprised two rounds, where successful participants from the first round progressed to the second round, featuring a set of tougher questions. Round one consisted of five questions, each worth 20 points, with a time limit of two hours. In round two, there were two questions, each worth 50 points, with a time limit of 1½ hours.

With a judicious blend of challenging rounds, stringent regulations to uphold fair play, and enticing prizes, DevXperience celebrated the essence of coding excellence. Participants showcased their skills, contributing to the resounding success of the event.

Following the conclusion of this coding event, the organizers extended sincere congratulations to the winners, acknowledging their skillful coding abilities. The Club and Office Bearers expressed their gratitude to the beloved Head of the Department, Dr. W. Aisha Banu, for her continuous support and encouragement throughout the process and special thanks to the Chief Guests for the day, **Dr. S. Syed Abdul Syed**, Deputy Controller of Examinations and **Dr. E. Syed Mohamed**, Professor, Computer Science and Engineering.

The first DevXperience not only established a high standard for forthcoming coding events, but also ignited a lasting passion for coding excellence that will undoubtedly endure.

The Office Bearers also extended their thanks to the staff coordinators, Dr. N. Gopinath and Dr. S. R SenthilKumar, for being the pillars of support and encouragement throughout the journey. Sincere appreciation was extended to all participants for their contribution to the success of DevXperience, turning it into more than a competition – into an experience that will be etched in the memories of everyone involved.

IIC REGIONAL MEET '23

The **Crescent Innovation and Incubation Council (CIIC),** which is administered by the **B S Abdur Rahman Crescent Institute of Science and Technology (BSACIST),** organized the regional meet of the prestigious **Institutions Innovation Council (IIC)** on December 1, 2023. CIIC focuses on establishing collaborative networks between academia, industry, and government. The momentous meet-up was held to discuss innovative ideas and to promote interdisciplinary advancements.

Government officials and other respected individuals inaugurated the council meetup. The honorable **B Senthil Velavan IRS, Additional Commissioner – GST**, **Government of India** was the chief guest of the event and **SH Dipan Kumar Sahu**, Assistant Innovation Director, Ministry of Education's Innovation Cell & AICTE, Government of India, was the guest of honor for the inaugural session. **Abdul Qadir A Rahman Buhari, Pro-Chancellor of BSACIST; Prof Dr. T Murugesan, Vice-Chancellor**; and **Dr. N Raja Hussain, Registrar** graced the event. **M Parvez Alam, Executive Director,** CIIC & AIC – CIIC, contributed to the event's success. The event involved several discussions that helped to evaluate differences for more profitable ideas.

There were plans for roundtable **discussions with corporates, angel investors, and incubators**, aimed at strengthening the entrepreneurial ecosystem. Emphasis was also placed on intellectual property commercialization, technology transfer, and providing opportunities for **YUKTI innovators** to showcase their technologies. The event also featured the introduction of the **Udyami Bazaar**, a unique platform for innovators to display and sell their products. Additionally, opportunities to participate in interactive pitching sessions and one-on-one mentoring for regional entrepreneurs were also available.

This regional meet served as a significant milestone in nurturing innovation and developing the entrepreneurial ecosystem, providing invaluable insights and opportunities while also laying a solid foundation for future regional initiatives.

The gathering played a vital role by providing crucial insights and unparalleled opportunities. It proved to be a platform for opportunity, and experience to learn and grow and create ways for more such events and collaborations in future.

INDUSTRIAL VISIT - BSNL

The Department of Electronics and Communication Engineering organized a one-day Industrial Visit for 2nd-year B.Tech students to **BSNL Rajiv Gandhi Memorial Telecom Training Centre**, Meenabakkam, Chennai - 600016 on **31st October 2023**. Departing at 09:30 AM, the students and faculty reached the venue by 11:00 AM. The industrial visit lasted from 9.30 AM up until 2.30 PM.

The visit included informative sessions in different labs:

Optical Fibre Cable (OFC) Lab: Dr. Srinivasan led a discussion on fiber optic cables, showcasing an Optical Time Domain Reflectometer (OTDR) and a Fusion Splicer. Students gained hands-on experience.

Antenna Lab: Mrs. Vani explained the evolution of wireless technology and displayed 2G and 3G antennas, providing insights into their designs and applications.

Main Distribution Frame (MDF) Lab: The functioning of telephone exchanges, from MDF to DSLAM(Digital Subscriber Line Access Multiplexer), was explained in detail, offering a comprehensive understanding of the equipment.

Switch Mode Power Supply (SMPS) Lab: The purpose and working of SMPS were elucidated, and students observed various types of equipment used in telephone exchanges.

The Industrial Visit to BSNL Rajiv Gandhi Memorial Telecom Training Centre was successful, and informative, and sparked the student's interest in telecommunications and associated fields. The hands-on experience and insights gained from the experts will undoubtedly contribute to their academic and professional development. The Department expresses gratitude to BSNL for providing this valuable opportunity.

Seminar on CRM Technologies

The Department of Computer Applications organized a seminar on **"CRM-Technologies"**, held on **November 3, 2023**. This informative event featured **Mr. G. Abhilash Krishnan**, Lead-Product Training at LeadSquared, Bangalore, as the resource person. Attended by final-year MCA students and faculty members, the seminar focused on providing valuable insights and understanding of the aspects of CRM technologies.

The presentation and delivery of the session was well-organized and informative. Mr. G. Abhilsh Krishnan, in his clear and concise manner, started by introducing the fundamental concepts of CRM and its applications. He further discussed the latest trends and future scope of CRM, sharing case studies and success stories to inspire aspiring MCA students. The seminar began with a presidential address by **Dr. S. Pakkir Mohideen**, the Head of the department, highlighting the crucial role of CRM technologies in shaping the career of MCA students. In addition, **Mr. M. Parvez Alam**, the Executive Director of CIIC, provided a notable address, shedding light on the practical applications of CRM technologies in various industries.

The audience actively engaged with the seminar, participating by asking questions and seeking clarifications. The resource person, Mr. G. Abhilash Krishnan, encouraged the audience to ask questions and provided detailed answers to each query. It was an enriching experience for everyone involved. At last, all attendees found the seminar on "CRM-Technologies" informative, insightful, and inspiring. The comprehensive overview of CRM technologies, their application domains, and future trends left the audience better equipped to pursue their career goals in their respective field.

Recent Trends in AI

On **November 6, 2023**, the Department of Computer Applications organized a successful one-day workshop on **"Recent Trends in AI."** The event, coordinated by **Dr. Sharmila Shankar** and **Dr. S. Pakkir Mohideen**, featured resource persons **Mr. Gokul Raj** and **Mr. Wasim.** The workshop, attended by UG final-year students, MCA final-year students, and BCA students, covered the focal aspects of AI, including its importance, programming basics, Numpy, Data Visualization, live AI projects, and so much more.

The presentation, by Mr. Gokul Raj and Mr. Wasim, was well-structured, from AI fundamentals to recent trends, accompanied by clear explanations and Python code snippets. The audience actively engaged in the session, posing questions and sharing experiences, creating an interactive atmosphere.

The workshop concluded with an enriching overview of AI, its scope, and career paths. Faculty and students are to benefit from practical tips and examples provided. Further, the event was highlighted through a well-designed Event Flyer and Brochure, circulating essential information. Overall, the workshop proved to be **an informative and insightful experience,** showcasing a positive impact on all participants.

Industry 4.0: A Three-Day Workshop

The **"Industry 4.0 - Industrial Design Visualisation & Conceptualisation"** workshop was organized by the Department of Mechanical Engineering in collaboration with MSME (Government of India) and Equad Engineering Services Pvt Ltd. from November 6, 2023 to November 8, 2023. The inaugural ceremony was officiated by **Dr. H. Siddhi Jailani**, the Dean of the School of Mechanical Sciences, **Dr. A. S. Selva Kumar**, the Head of the Department of Mechanical Engineering and Prof. **Dr. S. Rasool Mohideen** from the Mechanical Engineering department. The workshop attracted participation from students spanning Mechanical, Automobile and Aeronautical Engineering departments, offering a platform for hands-on learning and exploration in industrial design visualization and conceptualization under the Industry 4.0 paradigm.

The workshop aimed to achieve several outcomes, such as providing participants with the ability to envision and translate industrial engineering problems into effective design solutions, emphasizing practical modeling techniques to enhance dynamic mechanical design thinking and fostering effective utilization of 2D drafting and 3D modeling and analysis platforms.

The three-day workshop comprehensively covered various aspects of industrial mechanical design such as a cohesive approach to overall industrial mechanical design, an exploration of how Industry 4.0 influences and impacts industrial mechanical design, several techniques and strategies for design sketching and modularizing mechanical design and the significance of design on product endurance.

On the final day of the workshop, certificates were presented to the participants by Dr. H. Siddhi Jailani, Dean of the School of Mechanical Sciences and Prof. Dr. S. Rasool Mohideen. The workshop officially concluded with the deliverance of the vote of thanks by **Dr. S. Ravikumar**, the event's Coordinator, acknowledging the successful completion of the workshop and expressing gratitude to all involved parties.

Workshop on Cybersecurity

On **November 7, 2023**, the Department of Computer Applications conducted a One-Day Workshop titled "Getting Started with Cyber Security and Practical Open Source Intelligence." The event, organized by **Dr. R. Shanthi** and Mrs. S. Sabaria, featured **Mr. Renganathan P**, an **Ethical Hacker and Cyber Security Researcher from R Protocols**, as the resource person. Attended by students and faculty, the workshop focused on essential aspects of cybersecurity and open-source intelligence (OSINT).

Key takeaways encompassed understanding cybersecurity basics, recognizing the value of OSINT, and developing skills in ethical information gathering using tools like **Wireshark and Maltego.** The importance of adhering to ethical guidelines in OSINT activities, collaboration within the cybersecurity community, and hands-on activities like penetration testing were emphasized. The session also stressed building a strong foundation and pursuing certifications such as CISSP (Certified Information Systems Security Professional) or CEH (Certified Ethical Hacker).

Mr. Renganathan P. delivered a well-organized and informative presentation, covering fundamental concepts and real-time examples. The audience actively engaged, posing questions and sharing experiences, contributing to a rich discussion. The workshop concluded with participants receiving a Capture The Flag challenge, simulating real-world cybersecurity scenarios, and enhancing practical application of knowledge. The workshop achieved its objectives, evident in an increased understanding of cybersecurity basics, improved awareness of OSINT, and enhanced skills in legal and ethical information gathering.

Overall, it was an enriching experience for everyone who attended the workshop.

ONE DAY NATIONAL SEMINAR

The seminar was organized by the Department of Mechanical Engineering, BSACIST, in association with Aeronautical Society of India (AeSI), Chennai. The seminar commenced with a recitation of Qirath, setting a respectful and serene tone. This informative and insightful seminar was held on November 15, 2023. Dr. K. Mohamed Bak, the seminar coordinator, welcomed the attendees warmly. Subsequently, Dr. A. S. Selvakumar, Head of the Mechanical Department, and Dr. H. Siddhi Jailani, Dean of the School of Management Studies (SMS), conveyed their felicitations, marking the beginning of the event.

The first session of the seminar featured Dr. D. Sathia Narayanan, Scientist from the National Institute of Ocean Technology, Chennai, as the guest speaker. Dr. Narayanan delivered a presentation on the topic "High Performance Materials and its applications." His lecture emphasized the performance aspects of advanced materials, covering topics such as hybrid composites, titanium alloys, aluminum alloys, and high-performance coatings.

Followed by which the second session was

graced by Dr. S. Rajendra Boopathy, Emeritus Professor from the Department of Mechanical Engineering at the College of Engineering Guindy, Anna University, Chennai, as he delivered a seminar on the topic "Effect of welding processes on ferrite content, microstructure, and mechanical properties of super duplex stainless steel 2507 welds." His lecture focused on two main aspects: welding procedures and post-weld heat treatment, as well as the examination of microstructure and mechanical properties of welds in Super Duplex Stainless Steel (SDSS) 2507.

Dr. K. Kalaichelvan, a Professor from the Department of Ceramic Technology, conducted a presentation on the topic "Testing of Materials and Ceramic Matrix Composites for Aerospace and Mechanical Engineering Applications" for the final session. His focus was on Ceramic Matrix Composites (CMCs) designed for use in aerospace and mechanical engineering. The presentation covered various testing methods, including Mechanical Testing, Fatigue Testing, Toughness Testing, and specialized testing specifically tailored for Ceramic Matrix Composites.

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The Enigmatic Encounter: A Poetic Rendezvous in the Metro

Metro journey,
One of the beauty,
Of the lives of city.

Taking us through a journey,
Different destinations of beauty,
Relishing tunnels of untold story.

The journey is quiet,
Calming minds of disquiet,
From our life's filled with inquiet.

I do encounter various other,
People from different genre,
But one always stands alone from other.

Lost to an unfamiliar zone,
Grooving to a genre,
Different from the outside.

Later on,
The strangers eyes open,
Setting sparks to my system.

As the stranger scans the surrounding with daze,
That's when our eyes meet at each other's gaze,
Dividing us from a sudden haze.

Cause our destination arrives,
Of different places,
In different times.

Then reality sets in,
The usual life begin,
Playing without any question.

- Maahira Begum, 2nd year B. Tech CSE

Crimson's Plea

Dusk's demeaning blunder meanders,
The eyes of the lovers shut tight,
Nightshade's faint blossom droops,
Eloquent mouths, none to speak,
By the amber's persistent umber,
Their lucid stutters confined within.

Squalid dreams' promise haunts the bedpost,
Sultry wind's caress as wine grips the vine,
Sickly warm words slipping the silk's cage,
Disquiet gasps hum, humid breaths clutched.

April's pelting blush, her stagnant night's torrential blessing,
The moon's flushed face, the stars' covert peaks,
Ocean's innocent oblivion, the waves' jeering whispers.

Smudged scarlet's daze, the fumbling haze,
Reckless roses bloom, velvet perfection's hoax,
Ardent adoration's glint, dawn's rueful smile buried.

This once, poison's sin shall defy Delphi,
This once, regret shan't covet ecstasy's fantasy.

- Purani R, 2nd year B. Tech ECE

CRESCENT LITERARY SOCIETY (CLS)

An Enchanted Lie

What an enchanted lie I was entangled in,
A smile all over and cries within,
If only I knew it would fade away so soon,
Never knew it would be this afternoon,
You said you love me,
But i wonder what kind of love you meant,
Something that you never held on is what you call love?
Wasn't I your beloved?
Oh, what a beautiful lie I was caught in.

You said you won't be here forever,
Oh, why wasn't I ready to accept that?
Felt like you would try to hold onto us,
But never knew you would let us slip that easily,
Maybe it was just me who wanted it to last,
When i knew you would never grasp,
You left me to be a wanderer in this perfidious world,
Now I keep searching for you in every face that just reflects deceitfulness.
Oh, what an enchanted lie you had me entangled in.

- Safiya Begum, 1st year B. Tech CSE

CRESCENT LITERARY SOCIETY (CLS)

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The Enchantment Within

Black and white,
Mere things you perceive.
Trying to square with,
Only makes you naive.
Unconsciously posing to be
someone who you really aren't,
With the embellishments, and cloaks
You use as your pretentious garments.
All this irony with yourself,
To cope with your recurring laments.
But what lies within you is beyond
Mere fancies and rubies.
It's pure, fragile, serene, and
Not made by chances.
So when the clouds of uncertainty diminish.
You concur the deceitful worldly plots,
As you bring light to the darkened knots.
Knowing that you have
Your own wrecks and scars.
But that's not what makes you who you are.
Just like a sapling sprouting
Its way through the dirt.
You soar your way through
Predestined alerts,
Taking daunting alleys
You haven't yet taken.
Discovering the world, yourself and
Fixing what would have been left broken.

- Zaina Pasha, 3rd year B. Tech. CSE

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SCHOLARSHIPS

HEINRICH BOLL SCHOLARSHIPS

This scholarship is awarded by the Heinrich Boll Foundation for students who wish to pursue their higher studies in Germany. This is applicable for Masters or Ph.D. This scholarship is provided to all fields of subjects offered at state or state-recognized universities in Germany. The application portal will be opened 6 weeks before the application deadline.

To Apply: Bewerbung für Stipendien der Heinrich-Böll-Stiftung

Deadline: March 1st/September 1st, 2024 (annual).

NOTTINGHAM DEVELOPING SOLUTIONS SCHOLARSHIPS

This scholarship is specifically designed for international students from Africa, India, or one of the selected Commonwealth countries who wish to pursue a Master's degree at the University of Nottingham. This applies to any subject area within the following faculties:
Faculty of Engineering ,Faculty of Medicine & Health Sciences ,Faculty of Science &Faculty of Social Science
The value of this scholarship will be 50-100% of the tuition fees. The student must have first received an offer to study a full-time masters (including MRes) at the University of Nottingham to be eligible for thi scholarship.

To Apply: Developing Solutions Masters Scholarship - University of Nottingham

Deadline: April 17th, 2024.

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