NEWS
LETTER

COER UNIVERSITY

COER
UNIVERSITY
FORMERLY KNOWN AS UETR

2023

August (Inaugural)
Edition

DEPARTMENT
OF CYBER
SECURITY

Bringing Clarity to Complexity: Our Newsletter's Objective is to Keep You Informed and Inspired

To ensure a consistent flow of information to our readers, the department has established a vital means of communication bridging the gap among departments, faculties, or individuals and their students. This medium keeps subscribers well-informed about updates, opportunities and news pertaining to the Cyber Security Department. It plays a pivotal role in fostering a strong sense of connection between the sender and their readership.

Taking a proactive step towards reader engagement, our Head of the Cyber Security Department, Dr. Rohit Kanauzia, spearheaded the initiation of the Newsletter. The intention behind this endeavor is to spotlight the recent accomplishments of our department while delineating our aspirations for the weeks ahead. Our ultimate objective is to enhance the department's visibility and leave an indelible imprint on our audience's memory.

Under the visionary guidance of Dr. Kanauzia along with Mr. Sharad Singh and Ms. Akshima Aggarwal, Assistant Professors in the Department of Cyber Security, is conscientiously shouldering the responsibility of comprehensively capturing the intricate aspects of our department's dynamic initiatives. We are committed to meticulously crafting content that connects with our readers and delivers significant value. Through our collaborative endeavors, we aim to strengthen the channels of communication, ensuring that our readers remain well-informed and actively engaged.

Welcoming Esteemed Leaders to Our Journey of Excellence

Dear Readers,

I am delighted to extend my warmest greetings on the occasion of the launch of the inaugural edition of the Department of Cyber Security, College of Smart Computing newsletter.

This endeavor marks a significant step towards sharing knowledge, updates and insights within our academic community.

Our University thrives on the exchange of ideas and information and this newsletter serves as a valuable platform to foster that exchange within the Department of Cyber Security. It showcases the dedication and enthusiasm of our students, faculty and staff in contributing to their field.

I encourage everyone to actively engage with the newsletter, both as contributors and readers. Let's continue to build a culture of learning, innovation and collaboration.

(Dr. Pankaj Gupta)
**Chief Mentor,
COER University**

Greetings,

It brings me immense pleasure to congratulate the Department of Cyber Security on the launch of its inaugural newsletter, an exciting initiative that showcases the department's dedication to knowledge dissemination and intellectual growth.
In an era dominated by technological advancements, staying informed is paramount. This newsletter provides a valuable platform to exchange insights, research findings, and updates within the realm. I commend the efforts of the contributors and the editorial team for their commitment to enhance our academic community's engagement.
I encourage you all to actively participate and contribute, making this newsletter a vibrant source of information. Let's continue to strive for excellence in the pursuit of knowledge.

(Dr. B.M Singh)
**Pro-Vice Chancellor,
COER University**

Dear Readers,

I extend my heartfelt congratulations on the launch of the inaugural edition of the Department of Cyber Security newsletter. This marks a significant milestone in our journey of academic excellence and knowledge dissemination.

The field of Cyber Security is crucial in our digital age and this newsletter reflects our commitment to staying at the forefront of this dynamic domain. I applaud the collective efforts that have gone into its creation and the dedication of the department in fostering a culture of innovation and exploration.

I encourage everyone to engage with the content, share your insights and contribute to the ongoing discussions. Let's propel our department and University to greater heights through the power of informed dialogue and collaboration.

(Dr. S.P Pandey)
Pro-Vice Chancellor (Academics), COER University

Dear Readers,

I welcome you to the inaugural edition of the Cyber Security Department Newsletter at COER University. I take great pride in introducing this platform that embodies the commitment to excellence, knowledge-sharing and collaboration.

In the ever-evolving field of Information Technology staying connected and informed is crucial. This newsletter serves as a vital link, connecting students, faculty, staff, alumni and enthusiasts. Together, we aim to build a strong community,

share expertise and celebrate the achievements of our department.

A heartfelt thanks to the dedicated team behind this newsletter. Your passion and hard work have made this a valuable resource for our cyber security community.

I encourage you all to actively engage. Share your experiences, insights and feedback to shape future editions. Together, we'll ensure it remains an inspiration and a source of information and connection for all.

Here's to an exciting journey with the Cyber Security Department Newsletter at COER University.

(Dr. Mridula)
Associate Dean (Academics & IQAC),COER University

Dear Readers,

I am thrilled to introduce the inaugural edition of the Department of Cyber Security newsletter, a reflection of our collective dedication to the world of digital protection and innovation. This platform is a testament to our commitment to fostering knowledge, sharing insights and creating a vibrant community of enthusiasts.

Our department is driven by a passion for safeguarding the digital realm and adapting to its ever-evolving landscape. This newsletter encapsulates the hard work of our students, faculty, and researchers, offering a glimpse into our academic endeavors.

I encourage you to dive into the articles, news and updates presented here. Let's together contribute to making this newsletter a dynamic hub for discourse and exploration.

(Dr. Rohit Kanauzia)
HOD, Department of Cyber Security
College of Smart Computing, COER University

Embrace the Bytes of Knowledge: A Warm Welcome to Our STUDENT'S
Dear Students,

Greetings and a warm welcome to our esteemed department's newsletter! We're excited to have you join us in this journey of discovery, growth and connection.

This newsletter is more than just ink on paper; it's a window into the heartbeat of our Cyber Security community. It's where we celebrate your achievements, share insights and keep you updated on the latest developments within our dynamic department.

As you flip through these pages, you'll find stories of inspiration, profiles of your peers, faculty perspectives and a wealth of information that will help you navigate your academic journey and beyond. Our aim is to make this newsletter a reflection of your experiences and aspirations.

We encourage you to actively engage with the newsletter – share your thoughts, ideas and feedback. This is your space to shine and be heard and together, we'll make it a vibrant hub of knowledge and camaraderie.

Thank you for being an integral part of our department's thriving community.

Nurturing Growth: Mentors Guiding Students towards Academic

To cultivate a favorable and supportive learning environment, enhancing the comprehensive educational journey while fostering personal and professional growth, the department has designated mentors to provide personalized assistance, guidance and mentorship throughout students' academic trajectory. The mentor-student alliance seeks to elevate academic performance, prompt active involvement in extracurricular pursuits and offer vocational direction and nurture fundamental life skills. With a robust foundation in mentorship, the program strives to equip students with the knowledge, aptitudes and self-assurance requisite for excelling both academically and in their professional pursuits. Below are the mentorship details:

i. 1st Year: Ms. Anshoo Bhatia
ii. 2nd Year: Dr. Maneesh Kumar
iii. 3rd Year: Mr. Vipin Kumar
iv. Chief Mentor: Mr. Sharad Singh

Cultivating Excellence: Our Committees and Boards

In line with our commitment to excellence in education, research, and student well-being, our university has established several key committees and advisory boards that work together collaboratively to uphold the growth, quality, and integrity of our academic programs. These essential components of our University include:

Departmental Research Committee (DRC)

S.No.	Name	Role
1	Dr. Rohit Kanauzia	HOD and Chairperson
2	Dr. Maneesh Kumar Singh	Convener

3	Ms. Soumya Upadhyay	Research Coordinator
4	Ms. Kanika Agarwal	Minor Project Coordinator
5	Mr. Varun Mishra	Member
6	Ms. Anshoo Bhatia	Member
7	Mr. Vinay Saroya	Member

Program Assessment Committee (PAC)

S.No.	Name	Role
1	Dr. Rohit Kanauzia	HOD and Chairperson
2	Mr. Sharad Singh	Convener
3	Mr. Pramod Kumar	Member
4	Ms. Renu Bahuguna	Member
5	Ms. Akshima Aggarwal	Member

Department Discipline Committee (DDC)

S.No.	Name	Role
1	Dr. Rohit Kanauzia	HOD and Chairperson
2	Mr. Vikrant Rana	Convener
3	Mr. Pramod Kumar	Member
4	Ms. Renu Bahuguna	Member
5	Ms. Vishakha Dhiman	Member
6	Mr. Vinay Saroya	Member
7	Mr. Shobhit Prajapati	Member

Department Student Advisory Board

S.No.	Name	Role
1	Dr. Rohit Kanauzia	Chairperson
2	Ms. Renu Bahuguna	Convener
3	Mr. Sharad Kumar Singh	Member
4	Ms. Anshoo Bhatia	Member
5	Mr. Vipin Kumar	Member
6	Harshita	Member: 1st Yr Student
7	Utsav	Member: 1st Yr Student
8	Vriti	Member: 2nd Yr Student
9	Sushant Rana	Member: 2nd Yr Student
10	Jalaj	Member: 3rd Year Student
11	Nitish	Member: 3rd Year Student

These committees and boards are integral for shaping the department academic environment, ensuring its dynamism, inclusivity, and dedication to excellence. To stay connected with the heart of our academic community and keep abreast of their activities and contributions, we encourage you to subscribe to our newsletter.

Empathy in Action: Joined hands with the community, aiming to create positive change and inspire a brighter future

To contribute positively to the community and make a meaningful impact on the lives of individuals or groups in need and to foster a sense of social responsibility and empathy among participants, while addressing specific challenges faced by the community and promoting a sense of unity and cooperation.

The Department of Cyber Security, Smart Computing College, COER University, Roorkee, took an important step under the leadership of Assistant Professor Ms. Anshu Bhatia and Mr. Vikrant Rana toward serving society. With this noble intention, they visited the Government Higher Secondary School, Tanshipur, Roorkee, on July 20, 2023. During the visit, they had discussions with the school principal and engaged in thoughtful conversations regarding the challenges and needs of the student's well-being. Furthermore, they interacted with the students, motivating them to brighten their future through dedicated studies.

The organized event saw the participation of faculty from the Cyber Security Department of Smart Computing College. With their expertise and compassionate hearts, they discussed various issues related to students' welfare with the school principal, showing sensitivity toward the challenges faced by the students.

Guiding Bright Beginnings: Unveiling the Induction Programme

The Induction Programme for first-year students in the Department of Cyber Security at the College of Smart Computing spanned from August 2 to 22, 2023. This extensive program aimed to provide incoming students with comprehensive information, guidance, and a warm welcome, ensuring a seamless transition into college life.

The program commenced with a warm welcome by the Head of the Department, Dr. Rohit Kanauzia. During his address, Dr. Kanauzia underscored the significance of the induction program and encouraged students to maximize their college experience. He also delivered a detailed and informative presentation that covered essential aspects of the department and the broader college community. The talk included:

- Introduction to the University and its courses.
- Organizational structure (Organogram).
- Vision and Mission of the department.
- Program Educational Objectives (PEOs).
- Insights into the University's library resources.
- Noteworthy student achievements.
- Opportunities for Do-It-Yourself (DIY) projects.
- Career prospects
- Collaborations and partnerships.
- The role of Micro, Small and Medium Enterprises
- Introduction to the faculty members

Furthermore, the induction program featured the University tour, providing an opportunity for students and faculty members from the Cyber Security department to explore key areas of the campus.

Computing Block: This vibrant hub serves as the intellectual nucleus for our students, where they engage in innovative projects, coding competitions, and collaborative ventures, showcasing their immense talent and creativity.

Cafeteria: Delve into the culinary world within our cafeteria, where our skilled chefs craft inventive dishes catering to diverse palates and dietary preferences. From global culinary inspirations to farm-to-table experiences, we celebrate the artistry and passion behind every dish.

Incubation Centre: Explore the journeys of startups nurtured within our incubation centre's supportive environment. We showcase the innovative solutions, disruptive technologies, and social enterprises that have thrived under our guidance, emphasizing our commitment to shaping future leaders.

IQAC Cell: Gain insight into the pivotal role of our Internal Quality Assurance Cell (IQAC) in ensuring academic excellence, fostering continuous improvement, and enhancing our University's overall quality. From shaping robust assessment methodologies to cultivating a culture of accountability, this newsletter offers a glimpse into the core of our university's dedication to quality enhancement.
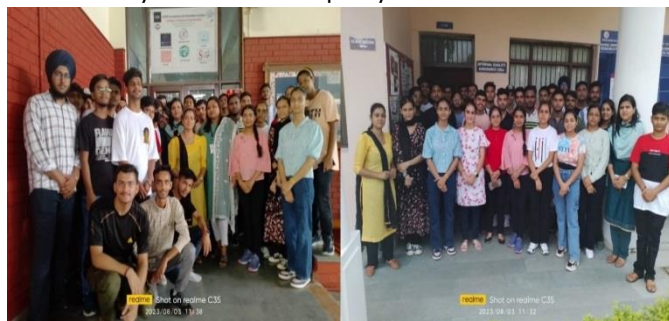

Central Library: Embark on a journey through the expansive realm of knowledge, imagination, and discovery offered by our Central Library. Explore rare manuscripts unveiling history's secrets and cutting-edge research materials igniting innovation.

These components collectively contribute to a holistic and informative induction program, ensuring that new students at the University receive the support and knowledge necessary for academic success and integration into our college community.

### Insights from COER University's Head of Department Meetings

The Head of Department Meetings at COER University were convened on multiple occasions, specifically on August 1, 2023, August 16, 2023, August 19, 2023, and August 21, 2023.
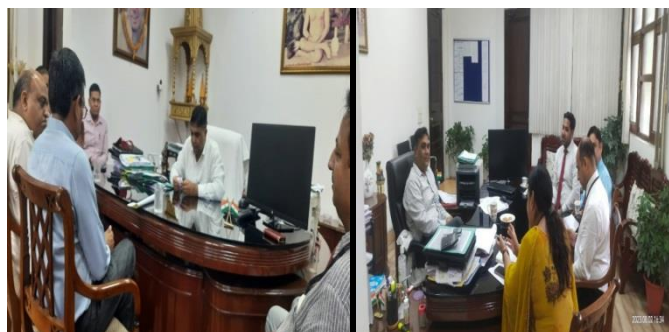
These gatherings were held in the Admin Block and were conducted under the esteemed chairmanship of Dr. B.M. Singh, who served as the Group Director of COER University in Roorkee. Dr. Rohit Kanauzia, in his role as the Head of the Department of Cyber Security at the College of Smart Computing within COER University, actively participated in these consequential meetings.

Throughout these sessions, a diverse range of crucial subjects was addressed, with a primary focus on enhancing the operational efficiency of various departments and fostering an enriched academic environment. To elaborate on some of the key points discussed:

First, there was a strong emphasis on the need for each department to conduct weekly meetings involving all faculty members. This initiative seeks to encourage open communication, facilitate the exchange of ideas, and cultivate a collaborative learning atmosphere within each department.
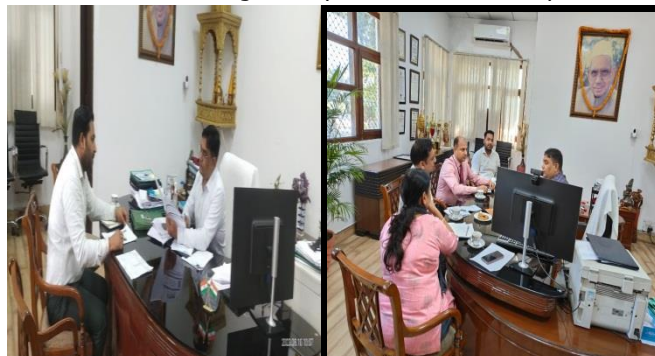
In the second phase, plans were outlined for the regular evaluation of faculty members to ensure the highest standards of education. This comprehensive evaluation process will encompass teaching methodologies, research contributions, and overall engagement with students and academic activities. Furthermore, in an effort to strengthen the bonds among faculty members, the decision was made to celebrate the birthdays of each faculty member. This approach aims to nurture a sense of belonging and camaraderie among the team.

Additionally, the department expressed its commitment to closely monitor students' classroom attendance as a vital measure to ensure their academic progress and identify any early signs of academic challenges.

At last, the importance of conducting student awareness programs was stressed during the meetings. These programs will serve to educate students on essential "Do's and Don'ts" related to various aspects of their academic journey, encompassing academic integrity, career guidance, and best practices within their respective departments.

These decisions underscore the university's unwavering commitment to creating a more engaging and supportive academic environment, with the ultimate goal of contributing to the overall growth and success of COER University.

Unlocking Opportunities with NPTEL: Our Faculty's Quest for Excellence

In our pursuit of academic excellence, the faculty members of our department have embarked on an exciting journey with NPTEL (National Programme on Technology Enhanced

Learning). NPTEL, a pioneering initiative by the IITs and IISc, offers a plethora of high-quality online courses, providing a platform for continuous learning and skill enhancement.

Recognizing the significance of NPTEL courses in staying at the forefront of their respective fields, all our faculty members have enthusiastically registered for NPTEL certification courses. This proactive step not only enriches their knowledge but also enhances the overall quality of education and mentorship they provide to our students.

Let's meet our dedicated faculty members and the NPTEL courses they've chosen to undertake:

S.No.	Faculty Name	Enrolled Course Name
1	Dr. Rohit Kanauzia	Cyber Security and Privacy
2	Ms. Soumya Upadhyay	Machine Learning and Deep Learning
3	Mr. Pramod Mehra	Machine Learning
4	Mr. Varun Mishra	Introduction to Machine Learning
5	Ms. Kanika Agrawal	Operating System Fundamentals
6	Ms. Akanksha Jain	Fundamentals Of Artificial Intelligence
7	Mr. Vipin Kumar	Python for Data Science
8	Mr. Vikrant Rana	Software Engineering
9	Mr. Sharad Kumar Singh	Software Conceptual Design
10	Ms. Akshima Aggarwal	Data Structures and Algorithms using Python
11	Mr. Vinay Saroya	Operating Systems Fundamentals
12	Ms. Vishakha	Data structure using C programming
13	Ms. Anshoo Bhatia	Problem-Solving Through Programming In C
14	Dr. Maneesh Kumar Singh	Introduction to machine learning
15	Ms. Prakirti Raghuvanshi	Operating System Fundamentals
16	Ms. Renu Bahuguna	Problem-Solving

First Meeting of Academic Affairs Committee

An Academic Affairs Committee (AAC) is a group within an educational University that focuses on matters related to academic policies, curriculum development, instructional quality and various aspects of the academic experience. The committee plays a crucial role in shaping the educational direction and policies of the University.

An inaugural meeting of the 1st Academic Affairs Committee of COER University was held on August 03, 2023, in the Board Room, the main building of the University. It reviews the main points of the committee such as Academic Excellence,

Bringing Practical Education, Enhancing Student Experience and Hosting Special Guest Lecture.

The Proper Strategy has been shared for the formation of the Class Monitoring Committee and credit-based industrial visits.

The Course for Academic Excellence: Departmental Meeting Insights

The Departmental Meeting, spanning multiple dates in August 2023, including the 1st, 8th, 17th and 19th, with the faculties of the department were in Computing. These sessions were skilfully orchestrated under the guidance of the Head of the Department. The overarching objective of this series of meetings was to delve deeply into the realm of academic enhancement through the formulation of strategic initiatives.

During these comprehensive discussions, a myriad of vital points came under scrutiny. The department's ongoing progress was meticulously reviewed, highlighting the need for continuous improvement in various facets of the teaching-learning process. A critical aspect that occupied the center stage during these deliberations was the cultivation of the elusive "WoW" factor within the classroom setting. This concept emphasized the creation of an environment that transcended mere instruction, seeking to infuse the teaching-learning experience with elements of enchantment and engagement.

The "WoW" factor, discussed in intricate detail, revolved around strategies to make the learning journey more captivating and transformative. It involves exploring innovative teaching methodologies, embracing technology as an enabler and fostering an inclusive and supportive

classroom atmosphere. The participant recognizes that this magical touch could inspire and motivate students, leading to improved academic performance.

By and large, these departmental meetings served as a platform for visionary discussions and action-oriented planning, reaffirming the department's commitment to elevating academic standards and creating an inspiring learning environment at COER University. Dr. Rohit Kanauzia's leadership and the collaborative spirit of the attendees promised a future where the "WoW" factor would indeed bring enchantment to the classroom.

Exploring Excellence: Vice Chancellor's Inspiring Visits to Our University Departments

On August 9, 2023, the Hon'ble Vice Chancellor embarked on an impromptu journey through the various departments of COER University, initiating a spontaneous tour that fostered meaningful engagements with faculty, staff and students. This unscripted exploration offered a distinctive opportunity to intimately experience the university's dynamic learning ecosystem and promptly address any immediate challenges or concerns.

During the visit to the College of Smart Computing, several noteworthy observations came to light. His tour commenced with an inspection of the Department of Cyber Security, where due recognition was accorded for the department's commendable efforts in maintaining cleanliness and enhancing its aesthetics.

In Classroom, the Vice Chancellor encountered an environment characterized by commendable teaching practices and methodologies. The faculty member in charge, Ms. Anshoo Bhatia, Assistant Professor within the Department of Cyber Security, received well-deserved recognition for her instructional prowess. She was appreciated for his dedication to quality education showcased in this classroom.

The visit was further extended to faculty offices, affording an opportunity for direct interactions with academic staff members, thus fostering a deeper understanding of the University's academic ecosystem.

This unanticipated visit underscored the University's unwavering commitment to ensuring the continuous enhancement of the learning environment. It not only facilitated a first-hand evaluation of diverse aspects of the University but also exemplified the University's dedication to addressing and improving upon any identified areas of concern, reaffirming its pursuit of excellence in education and academia.

Celebrating a Brilliant Mind and a Passionate Educator

August 11, 2023, marked a memorable day as our department came together to celebrate and pay heartfelt regard to Mr. Vikrant Rana, on the occasion of his birthday.

It was a special moment where colleagues and faculty members united to honor his invaluable contributions to our academic community. Mr. Rana, an Assistant Professor within the Department of Cyber Security at the College of Smart Computing, COER University, Roorkee, has been an exemplary educator and a source of inspiration to all. His dedication to imparting knowledge, innovative teaching methods and mentorship have played a pivotal role in shaping the future.

The celebration was not only a reflection of gratitude but also an opportunity for everyone to express admiration for his exceptional commitment. It was evident that his colleagues and students hold him in high regard, recognizing the profound impact he has made in and beyond the classroom. As we celebrated this special day, the department wished Mr. Rana continued success, creativity and new achievements in the year ahead.

Insights from our Cyber Security and Ethical Hacking Seminar

The Department of Cyber Security at the College of Smart Computing, COER University, Roorkee, made waves on the 11th of August 2023 with its successful organization of a "One Day Seminar on Cyber Security and Ethical Hacking." Held within the state-of-the-art Computing Block on the COER University campus, this event attracted a wide-ranging audience, including eager students, knowledgeable faculty members, and tech enthusiasts alike. The seminar commenced with a heartfelt ceremonial bouquet presentation to our esteemed guest speaker, Mr. Rajat Chandrol, a distinguished Cyber Expert from the National Institute of Electronics & Information Technology (NIELIT) in Haridwar.

Mr. Chandrol, a renowned authority in the field, delivered a captivating presentation, shedding light on the intricate world of cybercrime, cyber attacks, and the essential tools of ethical hacking. He delved deep into the current challenges posed by cyber threats and offered valuable insights into the tactics employed by hackers to breach systems. Furthermore, he explored the vast array of career opportunities within the realm of Cyber Security and Ethical Hacking, leaving the audience inspired with real-world examples and compelling case studies.

Celebrating Excellence: Faculty Unites to Honor Dr. Mridula and Ms. Divya Mishra's Remarkable Achievements and Leadership

A collective wave of enthusiasm and admiration swept through the Department of Cyber Security at the College of Smart Computing as our dedicated faculty members came together to express their heartfelt congratulations and best wishes to Dr. Mridula and Ms. Divya Mishra.

Dr. Mridula's well-deserved promotion to the role of Associate Dean Academics, and Ms. Divya Mishra's elevation to the positions of Associate Dean of IQAC and Associate Dean of Training & Placement and Alumni, is a testament to their

unwavering commitment and outstanding contributions to our department and the University as a whole.

Their leadership and dedication have not only propelled our department to new heights but have also set an inspiring example all of us. As they embark on these significant roles, we eagerly anticipate the positive impact they will undoubtedly bring to our academic community.

Patriotism in Pixels: Department's Vibrant Celebration of Independence Day

The Department of Cyber Security at the College of Smart Computing demonstrated its unwavering patriotic spirit by taking an active and enthusiastic role in the Independence Day celebrations at COER University.

This annual event holds profound significance as it commemorates India's hard-fought battle for independence from British colonial rule on the 15th of August, a date etched deeply into the collective memory of every Indian. The department's faculty members and students joined hands in unity to pay homage to the sacrifices of the freedom fighters who dedicated their lives to secure our nation's liberty.

The participation of the Department of Cyber Security was marked by an impressive display of unity and pride. Faculty members and students alike, bedecked in the tricolor and traditional attire, created a vibrant atmosphere filled with patriotic fervor. The celebration included a flag-hoisting ceremony, stirring speeches that reflected upon the significance of the day, and cultural performances that

showcased the rich diversity and heritage of India. The department's active involvement demonstrated not only their commitment to academic excellence but also their dedication to the values of freedom, unity, and progress that are deeply ingrained in the Indian ethos.

Moreover, the Department of Cyber Security's engagement in the Independence Day festivities underscored its role as an integral part of COER University's vibrant academic community. It showcased their commitment to holistic development, emphasizing the importance of instilling values of citizenship and national pride alongside technical expertise. This participation serves as a testament to the department's dedication not only to producing skilled professionals but also responsible and conscientious citizens who understand the importance of their role in the nation's progress.

Simulated Job Fair Planning Session with University Leaders

A pivotal meeting has been slated for the 16th of August 2023, starting at 4:00 PM, where all panel members responsible for orchestrating the simulated job fair will convene with the Hon'ble Vice Chancellor.

The venue for this significant gathering was the Board Room, located within the University campus. The Head of the Cyber Security department, Dr. Rohit Kanauzia and two accomplished Assistant Professors, Mr. Vikrant Rana and Ms. Soumya.

The purpose of this job fair was to create a simulated platform, a virtual stage for aspiring job seekers to delve into a diverse array of career opportunities. It aimed to facilitate interactions with prospective employers, provide insights into various companies, enable the submission of resumes or applications, and even pave the way for potential interviews. This significant event was scheduled to span ten days, commencing on the 21st of August 2023, promised to be an invaluable experience for both job seekers and recruiters alike.

Nurturing Tomorrow's Innovators: A Glimpse into Mr. Tanuj Dani's Inspiring Visit

On the 17th of August 2023, Mr. Tanuj Dani, an Senior Analyst hailing from the Technology Innovation & Development of Entrepreneurship Support (TIDES) Centre at the Indian Institute of Technology, Roorkee, graced our department with his presence. The occasion was an enlightening interaction session specially organized for our enthusiastic 2nd-year students. Mr. Dani, with his extensive experience and deep knowledge in the realm of innovation and entrepreneurship, offered invaluable insights to the budding minds. During his visit, he meticulously briefed the students about the cutting-edge facilities and resources available at TIDES, Roorkee.

His presentation shed light on the numerous opportunities, mentorship programs, and support structures that TIDES provides to foster innovation and entrepreneurial spirit among students. Mr. Dani's visit was not only an educational experience but also an inspirational one, encouraging our students to explore the limitless possibilities that lie in the intersection of technology and entrepreneurship at the prestigious IIT Roorkee.

Exploring IT Realms at ITDA Dehradun

The Department of Cyber Security at the College of Smart Computing, COER University, Roorkee, recently organized a transformative Industrial Visit to the Information Technology Development Agency (I.T.D.A) in Dehradun, a government organization under the aegis of the Uttarakhand State Government. This event, held on the 17th of August 2023, brought together a group of 28 enthusiastic students and two dedicated faculty members. The primary objective of this visit was to offer students a unique opportunity to bridge the gap between theory and practice by gaining hands-on insights into the operations of a successful IT organization.

During their visit, the students had the privilege of witnessing firsthand the inner workings of a cutting-edge IT company, observing its day-to-day operations, and familiarizing themselves with the state-of-the-art technology being employed.

This experience was invaluable as it allowed them to connect their academic knowledge to real-world applications, providing a deeper understanding of the field of information technology and cyber security.

Furthermore, the visit served as an eye-opener for the students, exposing them to the rapid technological advancements and innovative solutions that are shaping the IT industry.

It was an enriching experience that not only broadened their horizons but also inspired them to explore the endless possibilities within the realm of IT and cyber security. Overall, the Industrial Visit to ITDA in Dehradun was a remarkable endeavor that empowered our students to become future leaders in the dynamic and ever-evolving field of information technology.

Excellence Together: A Commencement of Academic Aspirations

On the 21st of August 2023, a significant assembly convened within the revered confines of the Conference Hall situated in the Admin Block of COER University. This gathering brought together the Hon'ble Chancellor, Pro-Chancellor and the dynamic Vice-Chancellor, who graciously welcomed the newly appointed faculty members, initiating a promising academic voyage.

Alongside them, the venerable heads of respective departments, renowned for their expertise, contributed invaluable insights to the discourse. Within this enlightening session, the university's distinguished leaders elaborated on the University's vision and mission, emphasizing the foundational values and principles underpinning our academic pursuits.

Participating in this meeting, led by Dr. Rohit Kanauzia, were esteemed individuals including Dr. Maneesh Kumar Singh, Mr. Pramod Mehra, Mr. Varun Mishra, Mr. Vinay Saroya, Ms. Anshoo Bhatia, Ms. Akshima Aggarwal, Mr. Vipin Kumar, Ms. Vishakha, Ms. Prakirti Raghuvanshi, and Ms. Mamta Mamtorila.

Furthermore, this gathering functioned as a strategic platform, fostering collaboration to harmonize our efforts towards the realization of collective objectives. The exchange of diverse ideas and perspectives proved not only enriching but also inspiring, nurturing a sense of unity and shared purpose among the faculty members. The resounding emphasis on unwavering commitment to our mission of academic excellence deeply resonated with all participants. It was an event that marked the commencement of a journey characterized by resolute dedication, innovative thinking, and an unswerving commitment to the growth and advancement of our University.

Celebrating Excellence in Education: Ms. Anshoo Bhatia's Exceptional Teaching Recognized

On the memorable day of August 23, 2023, COER University witnessed a remarkable event when the Hon'ble Vice-Chancellor, accompanied by the Pro-Vice-Chancellor and Pro-Vice-Chancellor (Academics), officially acknowledged the exceptional classroom teaching prowess of Ms. Anshoo Bhatia, an Assistant Professor in the Department of Cyber Security.


This recognition came as a culmination of the Vice-Chancellor's earlier visit to her department, where he was truly impressed by the profound impact of her teaching methods and the dedication she exhibited towards her students' learning. In light of her unwavering commitment and outstanding contributions to the academic community, Ms. Anshoo Bhatia was bestowed with the esteemed honor, a testament to her exemplary work in the field of education.

UCOST's Call for Research Proposals: Pioneering Innovation for Uttarakhand's Challenges

Uttarakhand State Council for Science & Technology (UCOST), Dehradun, Govt. of Uttarakhand, under the administration of Uttarakhand, has recently released a notification calling for

Research Proposals from various educational institutions. The primary objective of this initiative is to tackle the current challenges faced by the state by generating fresh and innovative ideas and employing suitable research methodologies.

After receiving Seed Funding from the Uttarakhand Government in June 2023, UCOST meticulously assessed a multitude of Research Proposals that were submitted by different institutions. In August 2023, a technical selection committee, comprising subject matter experts, was convened to conduct interviews and rigorously evaluate these proposals.
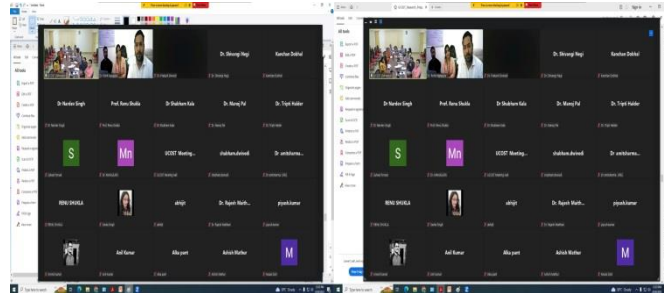
The department had the privilege of presenting their proposal to the esteemed Technical Selection Committee. Their research project revolves around the theme of "AI-Based Prediction and Detection of Landslides in Bageshwar." On August 25, 2023, Dr. Rohit Kanauzia, who serves as the Principal Investigator, along with Co-Principal Investigators, Ms. Soumya Upadhyay and Mr. Shobhit Prajapati, made a compelling presentation of this pioneering research proposal. He was accompanied by the

We are currently awaiting the final outcome of the evaluation process.

Journey through Project-Based Learning

Project-Based Learning (PBL) stands as a transformative educational approach, granting students the freedom to assume roles where their strengths shine. It underscores the practical application of acquired knowledge through research, fostering critical thinking and creativity. Moreover, it cultivates the invaluable skill of collaboration, nurturing group abilities and cooperative work dynamics. The Department's objectives for PBL include a structured process beginning with suggested topics from esteemed professors, followed by students selecting mentors aligned with their research areas. The department has meticulously devised a schedule for PBL reviews during the odd semester of 2023, comprising three critical evaluation points. These reviews serve as a compass, guiding students towards achieving their project objectives.

The advantages of PBL are manifold, spanning collaboration, problem-solving, creativity, in-depth understanding, self-confidence, critical thinking, perseverance, project

management, curiosity and empowerment. Within the Department of Cyber Security, students are actively engaged in a diverse range of PBL domains, including Artificial Intelligence, Web Development, IoT Module-based devices, Blockchain Technology, Cryptography and the fusion of Cyber Security with Artificial Intelligence.
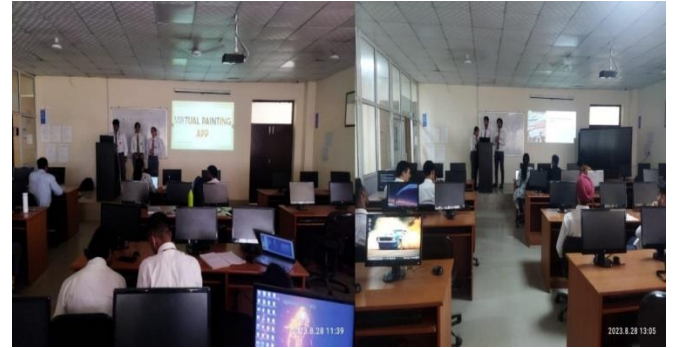
The department recently marked a significant milestone by successfully conducting the first review process of Project-Based Learning. Over three days in August 2023 from 25th to 28th, students from different academic years had their projects meticulously examined. During this first review, the Department's Review Committee (DRC) and PBL coordinators thoroughly assessed topics, mentors, research methodologies, expected outcomes, and project synopses, ensuring the alignment of each project with the goals and standards set forth by the department. This robust review process reflects the department's commitment to nurturing students' academic growth and research excellence.

Path to Excellence: Department Audit

On the 25th of August 2023, a comprehensive audit cum review of the Department of Cyber Security was meticulously conducted under the adept leadership of Dr. S.P. Pandey, Pro Vice-Chancellor (Academics) and Dr. Mridula, Associate Dean of IQAC. The findings of this thorough assessment provide a comprehensive insight into the department's current state and its potential for growth. Overall, it is with satisfaction that we report the department's performance as satisfactory, reflecting a commitment to its core mission and objectives.

Throughout the audit, the department showcased a commendable dedication to its educational and research responsibilities. The faculty demonstrated strong expertise and competence in their respective fields, and the students exhibited a keen interest in cyber security. Research output and collaborations with industry partners were notable achievements. However, it's imperative to note that, during our meticulous examination, we also identified areas for improvement.

These observations are intended to serve as invaluable guidance for the department's continuous growth and enhancement. Notably, there is a need to bolster the

department's infrastructure to support advanced research and practical training. Additionally, fostering stronger industry connections and internships for students would provide them with real-world experience and expand their horizons.

In conclusion, the 2023 audit and review of the Department of Cyber Security, led by Dr. S.P. Pandey and Dr. Mridula, affirms its overall satisfactory performance while highlighting key areas for improvement. With dedicated efforts and a commitment to addressing these recommendations, the department is poised to strengthen its standing and effectiveness, contributing significantly to the ever-evolving field.

Alumni Session Inspires Professional Growth

On the 26th of August 2023, the Department of Cyber Security at the College of Smart Computing, COER University, Roorkee, orchestrated a remarkable Alumni session titled "Charting Paths: Alumni Interaction on Professional Growth." This eagerly anticipated event unfolded at the Computing Block nestled within the COER University campus, attracting a diverse and enthusiastic audience that included students, esteemed faculty members, and passionate technology enthusiasts.

In collaboration with the Alumni Association of COER University, Roorkee, this session was a resounding success. The featured guest speaker, Dr. Sandeep Kumar, delivered an enlightening presentation that left a profound impact on the attendees. Dr. Kumar, an illustrious alumnus of COER Roorkee, graciously shared his personal journey and

professional transformation since his days at the University. Through his narrative, he conveyed how he had adeptly transformed challenges into opportunities, inspiring those in attendance with his resilience and determination.

One of the central themes of Dr. Kumar's address was the pivotal role of networking in his career trajectory. He stressed the importance of building and nurturing meaningful connections in the professional world, offering invaluable insights and strategies for effective networking. His session not only served as a source of motivation but also provided practical advice and guidance to the eager participants, all of whom left the event with a renewed sense of purpose and direction. This Alumni session exemplified the enduring spirit of COER University and its commitment to fostering the growth and success of its students and alumni.

Engineering to Entrepreneurship – A Thriving Journey

On the 28th of August 2023, the Department of Cyber Security at the College of Smart Computing, COER University, Roorkee, orchestrated a highly impactful One Day Seminar titled "Engineering to Entrepreneurship – A Thriving Journey." The primary objective of this event was to enlighten and inspire students about the paramount importance and relevance of entrepreneurship in the contemporary world. It also aimed to equip students with essential skills and knowledge in startup development, thereby preparing them for future career opportunities in the entrepreneurial landscape.
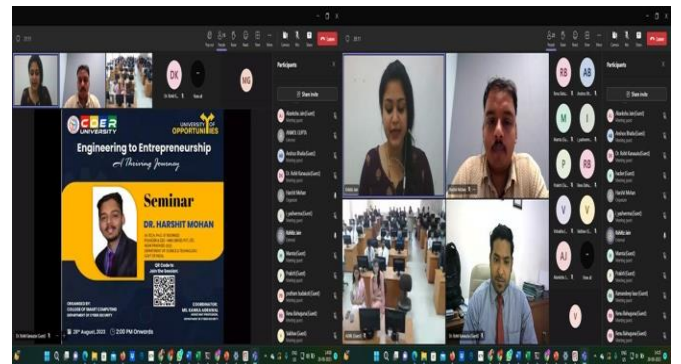
The seminar featured Mr. Harshit Mohan, the esteemed Founder & CEO of HMV Drives Private Limited, as the key resource person. Mr. Mohan's presence added immense value to the event, as he shared profound insights into the intricacies of entrepreneurship, drawing from his own remarkable success story. His narrative resonated deeply with the virtual audience, serving as a source of motivation and guidance for aspiring entrepreneurs within the student body. Moreover, the seminar benefited from the participation of an illustrious guest, a recipient of the NIDHI RAYASEE-2020

award from the Department of Science & Technology, Government of India. His experiences and achievements added an enriching dimension to the discourse, offering innovative perspectives on the intersection of science, technology, and entrepreneurship.

The One Day Seminar on "Engineering to Entrepreneurship – A Thriving Journey" organized by the Department of Cyber Security at COER University was a resounding success in educating and inspiring students about the entrepreneurial landscape. The insights shared by Mr. Harshit Mohan and the innovative perspectives provided by the NIDHI RAYASEE-2020 awardee collectively enhanced the students' understanding of entrepreneurship and paved the way for a future generation of enterprising individuals.

Empowering Communities: Service to Society

On the 29th of August 2023, a significant meeting focused on outreach activities took place, serving as a pivotal moment for fostering a sense of social responsibility and community engagement. During this meeting, we earnestly communicated with our students about the noble service to society and the core objective of this initiative: to impart valuable knowledge to students in government schools regarding computers and emerging technologies.

The outreach activity, we discussed, held immense importance, not only in extending a helping hand to the underprivileged but also in nurturing the confidence and sense of purpose among our own students. By engaging in this initiative, our students have the opportunity to contribute positively to society while expanding their own horizons. The act of sharing knowledge, particularly in the field of computers and emerging technologies, has a two-fold impact. First, it empowers our students by enhancing their teaching and communication skills, boosting their self-esteem, and strengthening their character.

Second, the students from government schools who are beneficiaries of this endeavor gain access to a world of knowledge that may have been otherwise inaccessible to them. They learn about computers and their myriad

applications, opening up new avenues of learning and personal growth.

These outreach activities exemplify the spirit of giving back and underscores the importance of education as a means to bridge gaps and create a more equitable society. It is testaments to the commitment of our University to not only impart knowledge but also to instill in our students a sense of responsibility towards the betterment of the community they are part of.

Charting a Bold Path Forward: Department Student Advisory Board Inaugural

The inaugural meeting of the Department Student Advisory Board, held on August 29, 2023, at CB-105 in the Computing Block of COER University, was a momentous event chaired by, the Head of the Department. The meeting boasted an impressive turnout, featuring esteemed faculty members from the Department of Cyber Security, including Mr. Sharad Singh, Ms. Renu Bahuguna, Mr. Vipin Kumar, and Ms. Anshoo Bhatia, alongside a dynamic group of ten students representing various years and programs within the department. The meeting commenced promptly at 03:00 PM and diligently followed a structured agenda, which included an opening and welcome session, an introduction of board members, an overview of the Advisory Board's role, and a comprehensive review of the department's progress and future plans.

During the meeting, a range of pertinent topics was discussed. One prominent issue was the students' expressed interest in gaining more comprehensive insights into departmental activities to align their academic pursuits with real-world applications, a gap that everyone recognized and aimed to bridge. Additionally, the group explored strategies to address presentation-induced stage fright, with a focus on creating a supportive environment for students' self-assurance and skill development. The proposal to introduce classroom mock interviews aimed to provide students with practical interview experience to enhance their communication skills and interview preparedness. The importance of maintaining a professional ambiance and adhering to a suitable dress code was underscored as a collective commitment to foster a conductive learning and professional growth environment.

Furthermore, the meeting emphasized the significance of cultivating professional behavior and effective communication, with a preference for English as the primary language for official communication within the department. An innovative proposal introduced the concept of a "Thought and Word of the Day" display on notice boards to ignite intellectual curiosity and enrich students' vocabulary. Concern about limited seating capacity for the 3rd-year E section was also addressed, with discussions regarding potential solutions such as classroom relocation to better accommodate student needs. The meeting successfully concluded with the appointment of coordinators responsible for overseeing various upcoming departmental activities. Mr. Vinay Saroya has been entrusted with the responsibility of researching and planning the GATE preparation workshop, as well as coordinating the industrial visit to the Cyber Cell of Uttarakhand Police. On the other hand, Ms. Ashima Agarwal has been assigned the task of organizing the seminar on Research Methodology.

Additionally, it has been decided that the department will regularly display the "Thought and Word of the Day" on the department notice board on a daily basis. This initiative will involve students from all years contributing to provide inspirational and thought-provoking content.
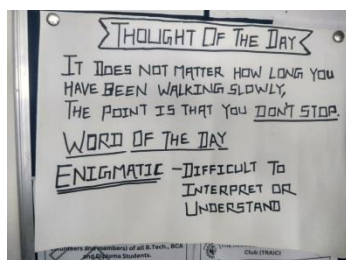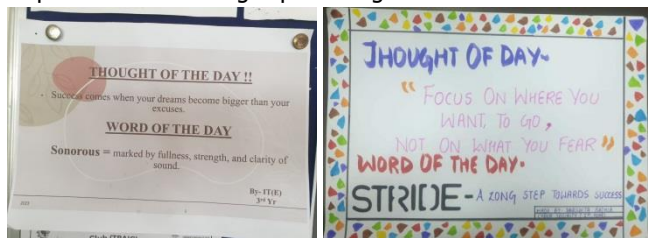
The inaugural meeting of the Student Advisory Board has set a promising tone, showcasing the strong commitment and collaboration between both faculty and students in shaping the future of the Department of Cyber Security at COER University. This collective effort bodes well for the department's growth and development.

Bridging the Gap, Inspiring Success

Dr. Rohit Kanauzia, the Head of the Department of Cyber Security at the College of Smart Computing, has been known for his proactive approach to student engagement and mentorship. He has consistently interacted with the students on a regular basis, fostering a strong and open line of communication.

During these interactions, Dr. Kanauzia takes the opportunity to provide students with valuable insights into the department's academic planning. He elucidates the various academic initiatives, both ongoing and upcoming, emphasizing their significance in enhancing the overall learning experience. Dr. Kanauzia places a special focus on the benefits of project-based learning, encouraging students to actively participate and take advantage of this dynamic approach to education. He believes that project-based learning not only enriches their technical skills but also nurtures critical thinking, problem-solving abilities, and teamwork.

Moreover, Dr. Kanauzia addresses any academic concerns or issues that students may have, ensuring that their voices are heard and that they receive the necessary guidance and support to excel in their studies. His dedication to regular student interactions reflects his commitment to fostering a conducive and thriving academic environment within the Department of Cyber Security.

Celebrating Excellence: Shine Bright at COER

We take great pride and immense joy in sharing a remarkable accomplishment within our close-knit COER community. Ms. Tanu Jain and Mr. Akhil Saini, two exceptional students hailing from the department, have achieved a remarkable feat by securing the Gold and Silver medals, in the 2018-22 batch respectively. This achievement stands as a testament to their unwavering dedication, unyielding commitment, and extraordinary academic aptitude. Notably, the outstanding accomplishments of Ms. Tanu Jain and Mr. Akhil Saini not only elevate their individual standings but also enhance the esteemed reputation of our university.

Our heartfelt congratulations extend to Ms. Tanu Jain and Mr. Akhil Saini for their stellar performances. Their tireless

commitment to their studies and their relentless pursuit of excellence serve as a source of inspiration for each one of us. As they venture into the next chapter of their lives beyond COER, we hold the utmost confidence that their unbridled passion and steadfast determination will propel them to even greater heights. We eagerly await the positive impact they will undoubtedly make within their chosen fields and in society at large.

Celebrating Ms. Jaya Shree's Remarkable Journey

Ms. Jaya Shree, an accomplished third-year student in our department, has reached a significant milestone by demonstrating her prowess through the completion of the highly esteemed "Introduction to Artificial Intelligence (AI)" course offered by Course Era, certified by IBM.

This rigorous program, the IBM certified "Introduction to Artificial Intelligence (AI)" course, is tailored to provide students with a robust foundation in the realm of AI. It encompasses crucial principles and practical applications, arming learners with the requisite knowledge and competencies to effectively navigate the dynamic landscape of artificial intelligence.

Ms. Jaya Shree's unwavering commitment and dedication to her academic pursuits are truly noteworthy. Her triumphant accomplishment of this demanding course not only underscores her fervent enthusiasm for AI but also showcases her resolute determination to excel in this swiftly evolving field.

Celebrating Excellence: Ms. Ragini Joshi's Stellar Achievement

Ms. Ragini Joshi, a final-year student in the department, has recently achieved a remarkable milestone. She secured her position through the "Learning Routes" recruitment drive, conducted on August 26, 2023, with an impressive CTC package of 5.7 LPA.

Ms. Joshi's success not only underscores her unwavering commitment and hard work but also underscores the exceptional talent nurtured within the department. Her selection through a rigorous and competitive recruitment process serves as clear evidence of her academic excellence, exceptional skills and undeniable potential.

We express our sincere appreciation to "Learning Routes" for recognizing Ms. Joshi's abilities and offering her this outstanding opportunity. We have full confidence in her ability to excel in her new role and make a positive impact within the organization.

Breaking Boundaries: Mr. Ashutosh Kumar and Mr. Ankur Singh's Remarkable Journey to Success

Final-year students, Mr. Ashutosh Kumar and Mr. Ankur Singh, have achieved a milestone by securing coveted positions through the Campus Recruitment Drive conducted by Yhills. They have been chosen to serve as Business Development Executives, with a remarkable CTC package of 7 LPA.

The success of Mr. Ashutosh Kumar and Mr. Ankur Singh stands as a testament to their unwavering dedication, tireless effort and extraordinary talents. It also underscores the exceptional caliber of students that our department nurtures, reflecting the rigorous training they receive.

We express our heartfelt appreciation to Yhills for recognizing the immense potential in Mr. Ashutosh Kumar and Mr. Ankur Singh and for extending this exciting opportunity to them. Yhills is renowned for its commitment to fostering talent and providing a platform for young professionals to flourish.

We extend our warmest congratulations to Mr. Ashutosh Kumar and Mr. Ankur Singh for their exceptional accomplishments. Their remarkable journey serves as an inspiration to all of us, illustrating what can be achieved through unwavering dedication and determined efforts.

Nurturing Excellence: Where Lifelong Learning Meets Research Innovation

Faculty upgradation is an indispensable aspect of maintaining the high standards of education and research at any academic University.

It is through continuous learning and skill enhancement that faculty members can remain at the forefront of their respective fields, ensuring that they provide students with the best possible learning experiences and contribute significantly to the academic community.

Several dedicated faculty members have recently participated in workshops aimed at enhancing their knowledge and expertise within their respective departments. Notable participants include Ms. Soumya Upadhyay (Assistant Professor, Dept. of IT & Cyber Security), Mr. Vinay Saroya (Assistant Professor, Dept. of Cyber Security) and Ms. Kanika Agrawal (Assistant Professor, Dept. of Cyber Security). These initiatives reflect their commitment to staying abreast of the latest developments in their fields, ultimately benefitting the students they educate and mentor.

In addition to faculty upgradation, departmental research is another cornerstone of academic excellence. It drives intellectual growth, fosters innovation, and advances knowledge across various disciplines, enriching both the academic community and society at large. A recent milestone in this regard is the publication by Dr. Maneesh Kumar Singh (Assistant Professor, Dept. of Cyber Security) in Springer Plasmonics on 9th August 2023. The paper titled "Refractive Index Sensing–Based Ultra Sensitive Black Phosphorus Configured Surface Plasmon Resonance Sensor for the Detection of Glucose Level" represents a significant contribution to the field, with co-authors including Mr. Rajeev Kumar, Mr. Lalit Garia, Mr. B.D. Patel, Dr. Mridula, and Dr. B.M Singh. This publication exemplifies the department's dedication to cutting-edge research and its valuable impact on the broader academic and scientific community.

Forthcoming in September 2023

1. Master the GATE: Workshop for Aspiring Engineer on 9th September 2023.
2. Outreach Activity on 12th September 2023 at Ambition Public Sr. Sec. School, Roorkee.
3. Seminar on Fostering Innovation: Empowering Students through Research Seminars on 16th September 2023.
4. Internal Audit 2023 on 14th September
5. Industrial visit to Cyber Cell, Uttarakhand Police, Dehradun.
6. Project Based Learning Second Review from 25th to 28th September 2023.

Thank you for being a part of our journey! Stay vigilant, stay secure and stay connected with us for more updates and insights. Until next time, keep your digital world safe!

We are constantly striving for excellence and value your input. Please feel free to share your feedback and suggestions with us at hod.cy@coeruniversity.ac.in. Your insights are important to us.