Department of Computer Science and Engineering
July-August-September 2022

AARHANT

AARHANT'22, the first of its kind Cyber Security Awareness week, organized by the Department of Computer Science and Engineering (Cyber Security), Shri Ramdeobaba College of Engineering and Management (RCOEM) in collaboration with Vigilante Cyber Forces (VCF), Nagpur was held from 6th to 10th September 2022. The event was intended at establishing a much-needed awareness amongst the public and students for cyber security.

The Chief Guest, Shri. Amitesh Kumar, the Commissioner of Police, Nagpur accompanied by Dr. A. J. Agrawal, HOD, CSE and Dr, R. S. Pande, Principal RCOEM.

Chief Guest Shri. Amitesh Kumar, the Commissioner of Police, Nagpur. He expressed concern about the lack of cyber-security awareness among the general public including the youth of India. While analysing the national safety of developed vs. developing countries, Shri. Amitesh Kumar emphasized that a developing country like India cannot track every person like in the United States and European countries. But unlike them, the public security policies established in India do not change policies according to who is demanding them. He also cautioned students about the use of social media and not falling for traps involving financial shortcuts or enticing posts. On a concluding note, he stated how even the cyber-literate population falls for such crimes as OTP fraud. He praised CSE students' initiative for cyber awareness. He concluded that the Police department has limited resources, and awareness events like Aarhant have a great impact on society. He

expressed his enthusiasm about the Police department supporting such initiatives in the long term. They are also expecting student contributions to spread awareness about cyber threats.
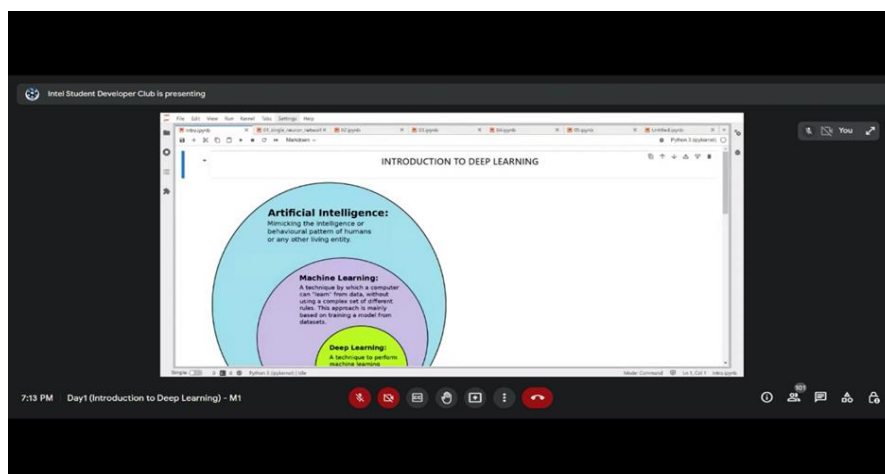
The Cyber Week successfully concluded with conduction of 10 competitions of both technical and cultural domains, 4 seminars by industry experts, fun events and much more.
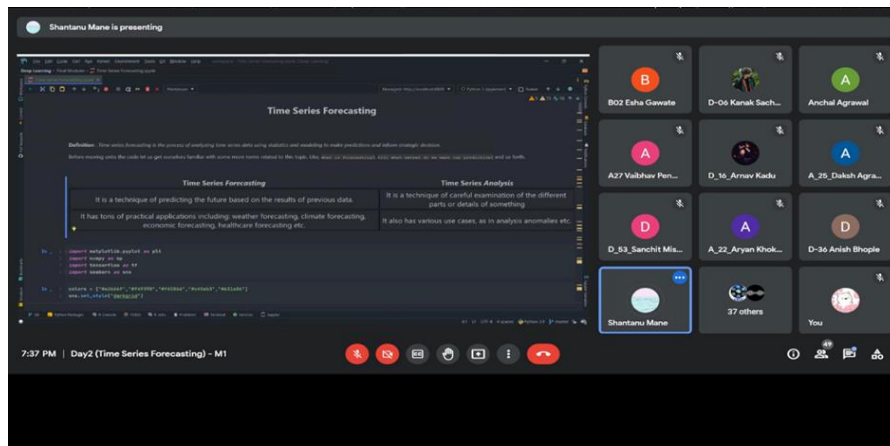
Geek For Geeks Chapter

The department has taken initiative to start a Geeks For Geeks (GFG) RCOEM Student Chapter that aims to promote the coding culture on the campus and expose students to the innovative technologies that dominate the industry. The Chapter will provide a platform to cultivate coding temperament amongst students, with a wide array of fun events, interesting workshops, and contests. The chapter aims to organize events like coding contests, webinars, project cohorts, placement preparation sessions, workshops etc. This will ultimately help students to explore their interests and advance in their respective competencies. Chapter Leaders are students from III year Mr. Kush Munot (President), Rohit Chandak (Vice President) and faculty advisor Prof. Vasundhara Rathod.

Intel Student Developer Club - AI Workshop Series

The event was a workshop series on Artificial Intelligence. The event was organized keeping in mind the AI beginners. This series was conducted for 3 days, providing a hands-on briefing and well managed interactive session. The workshops were scheduled between 29th-31st August at 07:00 PM, which were basically a 2-2.5hr session (each day), with Openvino Toolkit session of 1-1.5hr on the last day. Each workshop was separate, with separate registration links.

Workshop 1 – Introduction to Deep Learning (29th August, 2022 7 - 9 PM)

Workshop 2 – Time Series Forecasting (30th August, 2022 7 - 9 PM)

Workshop 3 – Computer Vision (31st August, 2022 7 - 9 PM)

Workshop 4 – An Overview of OpenVino Toolkit (31st August, 2022 7 - 9 PM)

The instructors of this event were mainly 3rd year team members, and Sayandeep Ghosh (Intel Student Ambassador) for the OpenVino Toolkit workshop. The great coordination between each team, made the event grant success, with a large number of registrations from RCOEM and other colleges.

At the concluding part of each session, the event material and a feedback link was shared with all the registered candidates, within the live session, event Whatsapp group of registered attendees and through mails. Whoever fills the feedback were awarded with the event completion certificate, undersigned by Prof. P.R. Pardhi (ISDC Faculty In-Charge) and Sayandeep Ghosh (ISDC Lead), except the OpenVino Toolkit whose certificates will be awarded by Intel on the successful completion of quiz (link shared by Intel with ambassadors.

A step towards Competitive Programming

Google Developer Student Club (GDSC), CSE, RCOEM organized an offline event "A Step towards Competitive Programming" from 19th August 2022 to 3rd September 2022 for 1st year students of RCOEM. An offline session was conducted on 19th and 20th August to explain the importance of competitive programming. The students were allocated a task to be completed within 2 weeks. Doubt solving session was conducted on 27th August 2022. The event's primary objective of the event was to instill the importance of competitive programming practices among beginners. The participants gained first-hand experience with C and C++ programming techniques. They also gained insights into various competitive programming events and platforms. The team also created a leaderboard for the students to monitor their progress and track their

competitions. The event concluded on 3rd with many positive feedback. About 349 students participated in the event and were benefited.

Offline session conducted to explain the importance of competitive programming

Bappa Ka Prashad 2.0

Google Developer Student Club (GDSC), CSE, RCOEM organized an International Level online Coding contest "Bappa Ka Prashad 2.0" a Google flagship event on Monday, September 5th 2022. It was organized on the CodeChef platform. The contest received participation from 30+ colleges in India including various IITs and NITs. The contest even attracted international participation from countries like China, Japan, Bangladesh, Canada, etc. GDSC RCOEM partnered with CodeChef as the platform partner and GFG FET as sponsors. A total of 864 students participated in the event.

Leader Board of the coding competition

Seminar on "How to prepare for an interview"

Department of Computer science and engineering (AIML), Shri Ramdeobaba College of Engineering and Management, Nagpur organized a seminar on "How to prepare for an interview" on 22 September 2022.

Mr. Sujal Agrawal and his classmates, CSE Final Year students, RCOEM were the key speakers for the program. During their address to V-Sem AIML students, they laid stress on the importance of co-curricular activities in the overall personality development of a student and encouraged them to excel in all the fields to achieve their career goal. They shared their experience while facing interviews of reputed companies coming to college for the placement. Mr. Sujal motivated all the students to do master in C language as well as other programming languages so that it's easy for them to pass in any interview easily.

All AIML students were prominently attending the program and felt very confident after the program.

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Seminar on "Career Prospectus in the Software industry"

Department of Computer science and engineering (AIML), Shri Ramdeobaba College of Engineering and Management, Nagpur organized a seminar on "Career Prospectus in the Software industry" on 27 Sept. 2022.

Mr. Kaushik Roy, Dean CDPC, RCOEM was the key speaker for the program. In his presentation he discussed the career opportunities available in the market for the specialized engineer in the field of AIML, Data Science and Cyber Security.

Sir also guided students on what are the important factors which will make your resume strong to get shortlisted during the interview process.

Total 130 students (AIML=50, Data Science=30, Cyber Security=50) have attended the above program.