Various Events Organized

## Polaris- A National Level Technical Festival

(l-to-r) Dr. M. B. Chandak delivering the presidential address with Dr. Vasundhara Rathod, Mr. Amit Kale, Dr. Ramchand Hablani, Mr. Kush Munot on the dais

Polaris for session 2023-24, the five-day annual intercollegiate techno-cultural festival hosted by Compusys, the student society of Department of Computer Science and Engineering at Shri Ramdeobaba College of Engineering and Management, Nagpur, took place from 29th January to 3rd February, 2024. The event was inaugurated on 3rd February by Chief Guest Mr. Amit Kale, Associate Vice President at Global Logic Pvt. Ltd. in the presence of Dr. M. B. Chandak, Dean Academics, RCOEM, Dr. Ramchand Hablani, HOD CSE, Dr. Vasundhara Rathod, Incharge, Polaris'24, faculties and participants. The Chief guest shared valuable insights with students about six essential C's: Communication, Commitment, Consistency, Collaboration, Customer Centricity, and Curiosity. The dignitaries addressed the students by motivating them to participate in technical as well as extra-curricular activities. The inaugural concluded with a prize distribution ceremony of various activities being conducted under the aegis of the Compusys-CSE student forum professional chapters namely ACM chapter, BRC chapter, Google DSC Club and GeeksForGeeks Club. The fest concluded with a high-spirited cultural evening on 3rd February 2024. Details of event as follows:

Internal Hackathon for SIH-2023

The Internal Hackathon of RCOEM was conducted on September 25, 2023 [Monday] for nominating the teams for Smart India Hackathon 2023 [SIH-2023]. It was an open-house event that witnessed overwhelming participation from the student teams belonging to engineering and technology streams of RCOEM for selection of 30 shortlisted teams and 05 waitlisted teams. All registered teams for the Internal Hackathon went through the 2-Stage process of evaluation. Stage-1, (Judgment Round-1) was conducted to identify the best 53 ideas. In Stage-2 (Judgment Round-2) the Round-1 entries were evaluated to nominate the 30 teams and 05 waitlisted teams for SIH-2023.The jury panels comprising of industry experts from reputed software majors, namely – Savycode Pvt. Ltd., Nagpur, Accenture, Nagpur, Amazon, TSystems, Persistent,Infosys, TCS, Veritas Technologies LLC, Konverge AI, Global Logic, Pharmeasy, Banglore, Momentum Metropolitan Service, Boot Coding, Napgur, Livepro Software Solutions, Nagpur, Global Logic, Nsemble Technologies Pvt. Ltd, Electro-Era.
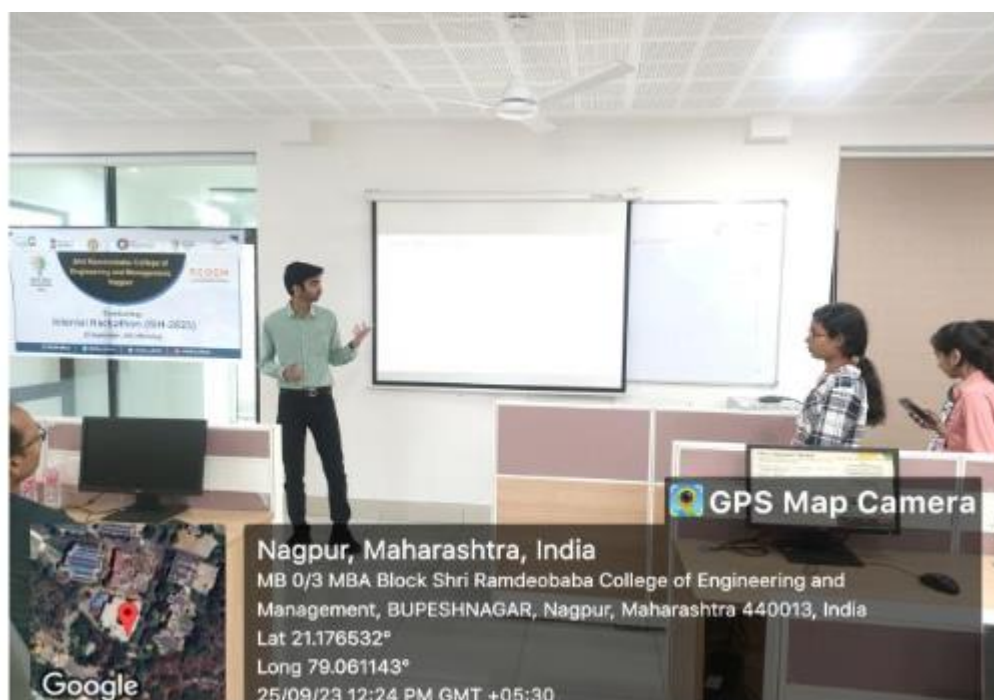
Students presenting their idea in internal hackathon 2023.

International Conference on Intelligent Systems, Data Science and Cyber Security-2022

The Department of Computer Science and Engineering (CSE) of Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur, in association with National Sun Yat-sen University (NSYSU), Taiwan and knowledge partner Tech Mahindra, organized the 2nd International Conference on Intelligent Systems, Data Science and Cyber Security (ICIDC-2022) on 16th and 17th December 2022. ICIDC-2022 brought together researchers in the field of Data Science, Cyber Security, Machine Vision, Robotics and Smart systems to exchange their latest achievements and discuss the future development in these areas. ICIDC-2022 gave an active platform for scientists, academicians, engineers, professionals, research scholars and students to present their latest research findings, ideas and applications in the domains falling under the scope of this conference. It featured keynote sessions by eminent researchers and technical paper sessions by the delegates. Dr Sanjay Kumar Singh, Head, CSE, IIT BHU graced the occasion as the chief guest. The welcome address was delivered by the General

Chair Dr. Avinash Agrawal, Associate Professor and HoD (CSE), followed by the address of chair Dr. M. B. Chandak, Professor (CSE) and Dean Academics, RCOEM. Dr. Katherine Shu-Min Li, Conference Chair, Professor, NSYSU, Taiwan, addressed the inaugural virtually. She emphasized on the significance of artificial intelligence and deep learning in recent times. Dr. Shailendra Aote, Conference Chair introduced the chief guest followed by his felicitation at the hands of Dr. Rajesh Pande, Principal, RCOEM. Dr. Sanjay Kumar Singh briefed the gathering about the importance of transition of the world from an agrarian lifestyle to a major technological revolution.


The dignitaries unveiling the journal proceedings

The presidential address was delivered by Dr. Rajesh Pande. Prof. Praful Pardhi, Conference Chair proposed the vote of thanks. The event was hosted by Dr. Vasundhara Rathod, Assistant Professor (CSE).

INTERNAL HACKATHON for SIH 2022 at RCOEM, Nagpur

Smart India Hackathon 2022 (SIH 2022) is the fifth edition of the World's Largest Open Innovation Model. It brings together the central government organization, various state departments, NGOs and industry to propose the problems. The students from technical institutions across the nation participate in the national extravaganza by submitting their ideas as a prospective solution to these problems.
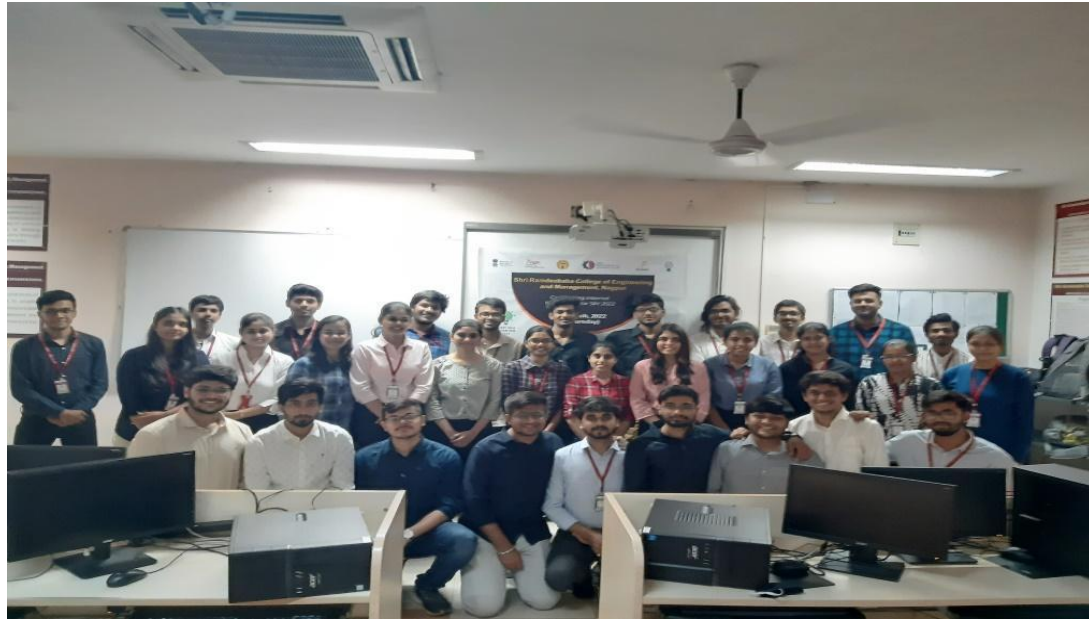
Students from various teams participating for Judgement Round-2 for Software Problems

Judges for Round-2: (From Left to Right) S. S. Aote, P. R.Pardhi, Mr. Swapnil Sontake (Judge) Ms. Nikita Tibdiwwal (Judge), Dr. A. J. Agrawal (Coordinator), Mr. Pranjal Dani (Judge), D. A. Borikar (SPoC), A. R. Raipurkar.

The Computer Science and Engineering Department of Shri Ramdeobaba College of Engineering and Management, Nagpur (RCOEM) conducted an Internal Hackathon on March 24, 2022 [Thursday] for nominating the teams for Smart India Hackathon 2022 [SIH-2022]. Dr. Rajesh Pande, Principal is the Nodal Centre Coordinator for Smart India Hackathon. Dr. Avinash J. Agrawal, HOD CSE was Coordinator for the Internal Hackathon and Prof. Dilipkumar Borikar, Assistant Professor, CSE is the SPOC for SIH-2022. Internal Hackathon was an open-house event to select the best 15 teams of students from the engineering and

technology streams of RCOEM for finalizing 10 teams under "shortlisted" and 05 teams under "waitlisted" category.

In all 35 student teams were registered who proposed their solution idea for 49 different problem statements. Over 200 students comprising 67 female students participated for the evaluation. All registered teams for the Internal Hackathon went through a 2-Stage process of evaluation. Stage-1, (Judgment Round-1) was conducted to identify the best 20 ideas. In Stage-2 (Judgment Round-2) the Round-1 entries were evaluated to nominate the 15 teams for SIH-2022. The jury panels were composed of industry experts from reputed software majors, namely – Persistent Systems Pvt. Ltd., Infocepts Ltd., HCL Technologies, Salesforce, SG Analytics, Tech Mahindra and SSG Embedded Solutions were invited to evaluate the idea submissions.
All the finalized teams were registered on the SIH portal. of the 10 shortlisted teams, 02 teams were for the "Hardware" domain, whereas all 05 waitlisted teams were for the "Software" domain. The Grand Finale of SIH 2022 is tentatively scheduled in the second/third week of July 2022.

Polaris-22

Mr. Aditya Bhatia delivering the Chief Guest address

Polaris-22, a national level technical festival was organized by the Department of Computer Science and Engineering, RCOEM, Nagpur on 2nd and 3rd December, 2022. The event was formally inaugurated on 2nd Dec, 2022. Mr. Aditya Bhatia, Centre Head of Tech Mahindra was Chief Guest and Mr. Mandar Limaye, Customer Delivery Manager at Tech Mahindra was Guest of Honor for the event. Mr. Aditya Bhatia influenced the students with his valuable words. He elucidated the importance of elementary knowledge to students with apparent examples. Mr. Mandar Limaye addressed the students in a very enlightening way. He guided the students on the significance of strategies for problem analysis. Dr. R. S. Pande, Principal, RCOEM delivered the presidential address. Dr. Avinash Agrawal, Head, CSE informed about the introduction of specialization branches in the department and motivated the students to participate in hackathons. Dr. Vasundhara Rathod, faculty incharge, Polaris briefed the gathering about various activities that Polaris offered this year. The various activities were conducted under Compusys- the CSE student forum. Technical events were conducted by the various chapters and clubs namely ACM chapter, CSI chapter, Google DSC Club, Geeks for Geeks Club and Intel SDC Club. The Fest concluded with a high-spirited cultural evening on 3rd Dec 2022.

Faculty Development Program on "Blockchain and its Applications"

The Department of Computer Science and Engineering organized a Faculty Development Program on "Blockchain and its Application" from 13th to 17th June 2022 via Online Mode. The inaugural session witnessed the presence of Chief Guest Mr. Ravikant Agrwal, VP-Strategy Polygon Technology, Bangalore, Dr. Avinash Agrawal, Coordinator & Head, CSE,

Prof. Abhijeet Raipurkar, Co-coordinator, all the organizing committee members, all faculty members and around 60 participants. In his welcome note, Dr. Avinash Agrawal enlightened about the significance of the Blockchain technology with respect to education and industry, also emphasized on the main objective of the FDP in his welcome note. He also motivated the participants to take active participation and make the most of it. Mr. Ravikant Agrwal, VP-Strategy Polygon Technology, Bangalore talked about the concept of Blockchain and its various components during his wonderful session.

Guest Lecture on "Multi-Scale Methods for Spatial Data Analysis" by RCOEM ACM Chapter

A Guest Lecture was organized on the topic "Multi-Scale Methods for Spatial Data Analysis" on 01st November 2021 at 11:00 AM on Zoom. The event was organized by RCOEM ACM Chapter. The lecture was for 2 hrs. The lecture was intended for the faculty and students. The Guest Was Prof. Jaya Sreevalsan Nair. She is Associate Professor at IIIT Bangalore and an Active Member of ACM.

Professor Nair discussed different methods to carry out analysis of spatial data along with the problems faced and their possible solutions.

Multi-Scale Methods for Spatial Data Analysis

Many real-life problems and examples were also discussed by Prof. Nair. She also took the questions from the audience and cleared all the doubts at the best. She also gave the mantra to all that can be used while dealing with these types of problems. The event was attended by around 105 faculty members and students. Prof. Devishree Naidu and Prof. Swati Hira supervised the event in collaboration with ACM RCOEM Chapter.

Guest Lecture on "Problem Solving for Placements

A webinar on "Problem Solving for placements" was organised by the RCOEM CodeChef chapter on 26th September 2021, 1 PM onwards. Mr. Nishant Khanorkar, MTS, VMWare was the speaker for the session. The main aim of the webinar was to highlight the importance of competitive coding in preparation of placements and guidance about paths in competitive programming. The attendees were informed about various platforms and basic information from where to start competitive programming. Doubts of the attendees were also constructively answered at the end of the session. The webinar ended with an interaction with the industry expert. The webinar was attended by 205 participants and was a great success from the responses received from participants and their feedback.
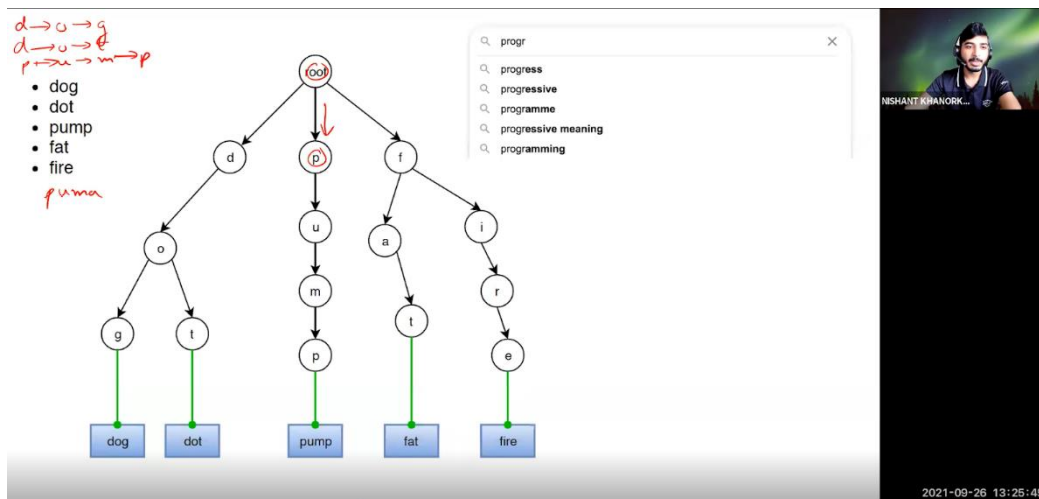
Mr. Nishant Khanorkar addressing the audience

Webinar on "Artificial Intelligence and Machine Learning: Magic with AI & ML"

A webinar on "Artificial Intelligence and Machine Learning: Magic with AI & ML" was organized on 31st July 2021 from 11:00 am to 12:30 pm through online mode and the session was conducted on Google Meet platform. The Guest Speaker for the event was Mr. Mukesh Joshi, Director: Technology AI & ML Expert, Opus Consulting Solutions, Pune. The webinar was attended by 100 participants including faculties and students. The objective of this webinar was to introduce Artificial Intelligence and Machine Learning to students and provide some practical ways through case studies to think about how to use it in the Enterprise. It is ideal for Data Scientists and Business Decision makers working in large Enterprise businesses looking to uncover opportunities to begin an AI/ML project.

Two Days Training Programme on "Machine Learning"

The Department of Computer Science and Engineering and RCOEM-TATA CIIIT in Association with TATA Technologies has organized Two Days Training Programme on "Machine Learning" on 21-22 September, 2021.Dr. R.S.Pande, Principal RCOEM, Dr. M.B.Chandak Head of the Dept,CSE, Dr. Vishal Shukla, Professor In charge RCOEM-CIIIT enthusiastically supported the training programme.

The Training programme is coordinated by Dr. R.Hablani, Prof. Sweta Jain and Dr. S.Neware. Mr. Anil Dhole and Dr. Ishtiaq Khan, Tata Technologies, Pune demonstrated agriculture application -" Selective Spraying for cotton plant using Artificial Intelligence" developed by them using Machine Learning and IOT for Pesticide spray in farms. The hands on session was conducted on various machine learning models on Anaconda framework using Jupyter notebook.
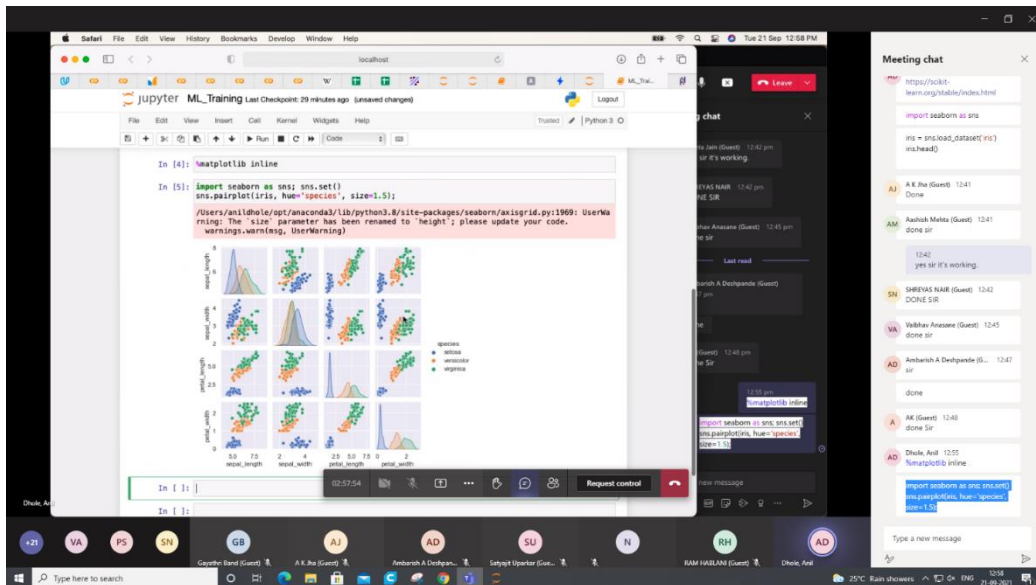
Training program on Machine Learning

Guest lecture on "AI and Cyber Security"

The Computer Society of India (CSI) RCOEM Student Chapter organized a Guest Lecture on 'Artificial Intelligence and Cyber Security' on 13th March 2021. The guest speaker was Dr. Rizwan Ahmed who is the Chief Technology Officer at DelaPlex. His specialties include Mobile and Digital Forensics, Cyber Security, Artificial intelligence, Mobile Application Development and many more. During his experience in the IT industry for almost two decades he has worked as a designer, developer and project manager.

The lecture was conducted on Google Meet and was attended by around 150 students and faculty of the Department of Computer Science and Engineering.
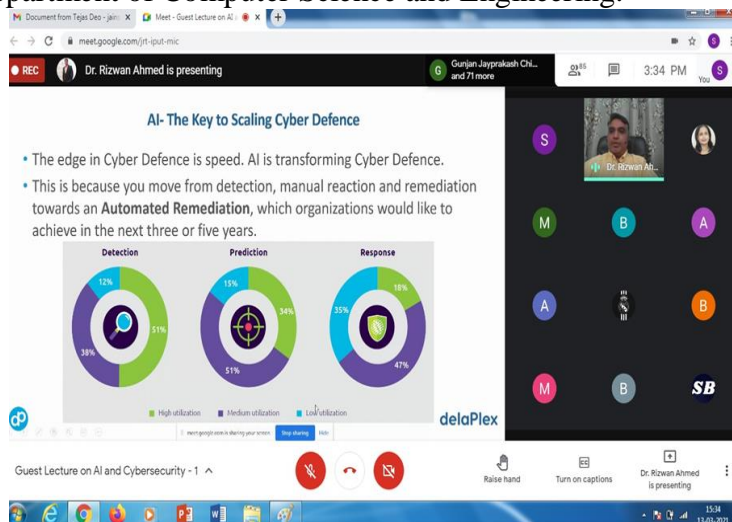
Dr. Rizwan Ahmed delivering the Guest lecture on AI and Cyber Security

## Training on "Problem solving using Nvidia GPU"

Dr. Shailendra S. Aote and Dr. Ramchand Hablani from department of computer science and engineering have organized training sessions on problem solving using Nvidia GPU under Centre of Excellence in Artificial Intelligence and Deep Learning on 23 and 25 Mar 2021 respectively. The session was conducted for all the faculties of RCOEM and VI semester CSE students. Dr. Aote and Dr. Hablani demonstrated how to access the Nvidia GPU, significance

of GPU for problem solving and study of computational time variations on CPU and GPU. Around 70 participants were attended the seminar.

Guest lecture on "Adaptive video streaming for Video-on-demand and Multi-Server Streaming"

Department of computer science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized a guest lecture on Adaptive video streaming for Video-on-demand and Multi-Server Streaming under the guest lecture series on "Adaptive Video Streaming" on Saturday, 27th March 2021 from 12 to 1:30 pm IST.

It was organized on the Google Meet online platform. The resource person for the Guest Lecture was Dr. Praveen Kumar Yadav, Co-founder and CEO, Atlastream Pte. Ltd., Singapore. The Guest Lecture started with the welcome address by Dr. M.B.Chandak, Head, CSE, RCOEM. Prof. Khushboo Khurana introduced the speaker to the participants. The aim of organizing this guest lecture was to impart understanding about how online video streaming works. Prof. A. Raipurkar and Prof. Khushboo Khurana were the co-ordinators for the guest lecture.
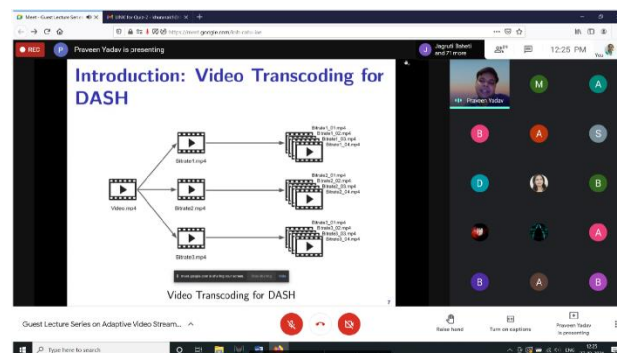
Dr. Praveen Yadav delivering the guest lecture online

Dr. Praveen Kumar Yadav explained the buffering processes adopted by different video providers. He then introduced DASH (Dynamic Adaptive Streaming over HTTP) DASH, also known as MPEG-DASH, is an adaptive bitrate streaming technique that enables high quality streaming of media content over the Internet delivered from conventional HTTP web servers. Similar to Apple's HTTP Live Streaming (HLS) solution, MPEG-DASH works by breaking the content into a sequence of small segments, which are served over HTTP.

Around 80 participates attended the session including 60 students and 20 faculty members of CSE Department. The students appreciated the guest lecture and asked their doubts after the session.

Guest lecture on "Introduction to Cyber Security"

Department of computer science and Engineering(Cyber Security), Shri Ramdeobaba College of Engineering and Management, Nagpur, organized a guest lecture on Introduction to Cyber Security under the guest lecture series on "Cyber Security" on Friday, 9th April 2021 from 3:30 to 4:30 pm IST.

It was organized on the Google Meet online platform. The resource person for the Guest Lecture was Ms. Isha Mujumdar, MD, Vigilante Cyber Forces, Nagpur

The Guest Lecture started with the welcome address by Dr. M.B.Chandak, Head, CSE, RCOEM. Dr. Rashmi Welekar introduced the speaker to the participants. The aim of organizing this guest lecture was to give an introduction to the concept of cyber security. Dr. Rashmi Welekar was the co-ordinator for the guest lecture.

Ms Isha Mujumdar Introduced the basics of Cyber Security. She covered following topics : introduction to Cyber Crimes, Evolution of Information Systems, History of Computer Crime,

Elements of Information Security, Classification of Hackers , A Peek into the Criminal Mind, New Age Cyber Crime & Criminals, Ethical Hacking, Domains in Cyber Security, International Laws, Standards & Regulations

Around 70 participants attended the session including 64 students and 06 faculty members of CSE Department. The students appreciated the guest lecture and asked their doubts after the session.

Dr. Welekar introducing the speaker

Guest lecture on "Introduction to Cyber Crime"

Department of computer science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized a guest lecture series on Cyber Security. The second session was conducted on the topic: Introduction to Cyber Crime, 10th April 2021 from 1:30 to 2:30 pm IST.

It was organized on the Google Meet online platform. It was organized on the Google Meet online platform. The resource person for the Guest Lecture was Ms. Isha Mujumdar, MD, Vigilante Cyber Forces, Nagpur.

Continuing the discussion in session-1 held on 9th April 2021 on Cyber Security, Ms. Isha discussed cybercrimes. Ms Isha Mujumdar introduced the basics of Cyber Security. She covered following topics: Malware Attacks, Famous Malware Attack Case Studies, Malware Safety Tips, Demo - Trojan Attack, Online Scams & Staying Safe from Them, Denial of Service & DDoS Attacks, Application-Based Attacks, Demo - Session Hijacking, Demo - Cross-Site Scripting, Demo - Wireshark Data Capture, Application Security Tips

Around 68 participants attended the session including 64 students and 04 faculty members of CSE Department. The students appreciated the guest lecture and asked their doubts after the session.

International Conference on Intelligent Systems, Data Science and Computing [ICIDC- 2020]

The Department of Computer Science and Engineering of Shri Ramdeobaba College of Engineering and Management in Association with SRH University Heidelberg, Germany organized International Conference on Intelligent Systems, Data Science and Computing [ICIDC-2020] on Nov 27, 2020. The conference aimed to bring together researchers in the field of data science, computational intelligence, machine vision, robotics, and smart systems to exchange their latest achievements and discuss future development in these areas. With a vision to provide an active platform for scientists, academicians, engineers, professionals, research scholars, and students to present their latest research findings, ideas, and applications in the domains falling under the scope of this conference. The event began in the presence of Chief Guest, Dr. D V L N Somayajulu, Director, IIIT Kurnool; Guest of Honour – Mr. Mohan

Uttarwar, CEO iNDX.Ai, California, U.S.A; General Chair - Dr.R.S.Pande, Principal, RCOEM Nagpur, Conference Chair - Dr. M. B. Chandak, Dr. A. J. Agrawal and Dr. Gerd Moeckel - Professor for Information, Media and Design, Course director, Applied Computer Science, SRH University Heidelberg, Germany.


INTERNAL HACKATHON for SIH-2020

Internal Hackathon for Nominating Teams from Ramdeobaba College of Engineering and Management, Nagpur to Smart India Hackathon-2020 was organized by Department of Computer Science and Engineering on 18th Jan, 2020. It recorded 31 software and 11 hardware teams' participations. Experts from Industry and Academia were invited to judge and recommend the Idea Documents as proposed solution to different problems offered by ministries, government departments and industries on SIH portal. In all 9 software and 5 hardware teams were nominated from RCOEM Nagpur for SIH, 2020.

Webinar Series on "Current Trends in Data Science" - Webinar 1

The Department of Computer Science and Engineering organized a webinar on "Current trends in Data Science" on Friday, 1st May 2020 on the Google Meet online platform. The resource persons for the webinar were Dr.Pushpak Bhattacharya, Director, IIT Patna, Mr.VasusenPatil, Senior Engineering Manager, Coursera, and Mr.JaidevDeshpande, Senior Data Scientist, GramenerPvt. Ltd., New Delhi.

The aim of organizing the webinar was to familiarize the participants with the concepts of Data Science in the Industry, Sentiment Analysis, Emotion Recognition, Dialogue Processing and Demystifying Data Science.
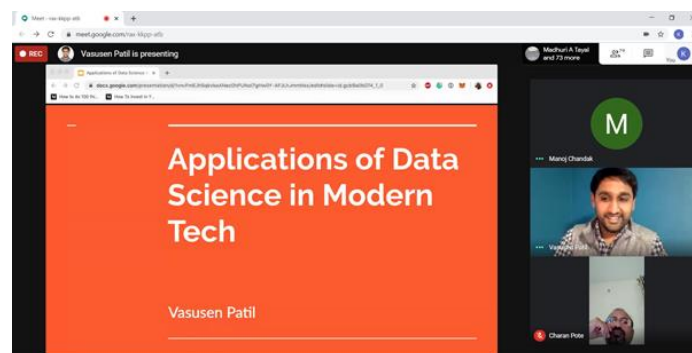
Mr.VasusenPatil, Senior Engineering Manager, Coursera, discussing the applications of Data Science in Modern Tech.

Webinar Series on "Current Trends in Data Science"- Webinar 2

The Department of Computer Science and Engineering organized the second webinar on "Current trends in Data Science" on Friday, 8th May 2020. The resource persons for the webinar were Dr. Abhiram G. Ranade, Professor, Department of CSE, IIT Bombay, and Mr. Jay Mahadeokar, Senior Software Engineer, Facebook AI, Sunnyvale, California, USA. The aim of organizing the webinar was to familiarize the participants with the concepts of Data Science in the Industry with Real World Application of AI & ML and how to make Computer Science education more useful and interesting. The webinar was divided into two sessions. After each speaker's address, the question-answer session was conducted.
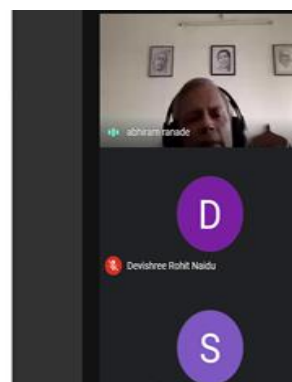
Dr.Abhiram G. Ranade, Professor, Department of CSE, IIT Bombay, presenting the webinar

Webinar on "Blockchain Technologies and Applications"

Department of Computer Science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized the webinar on "Blockchain Technologies and Applications" on Wednesday, 3 rd June 2020. Mr.Razi Abbas, Vice President - Blockchain Engineering at J.P. Morgan Chase & Co. was present as a resource expert to deliver the talk. The aim of organizing the webinar was to familiarize the participants with the concepts of Blockchain in the Industry, Distributed ledger, advanced data structure for creating blocks.some of the key notions used in blockchain, various applications in a broad sense that emerges into daily transactions. He discussed the importance of Blockchain in real-life scenarios. The session was attended by more than 140 participants.
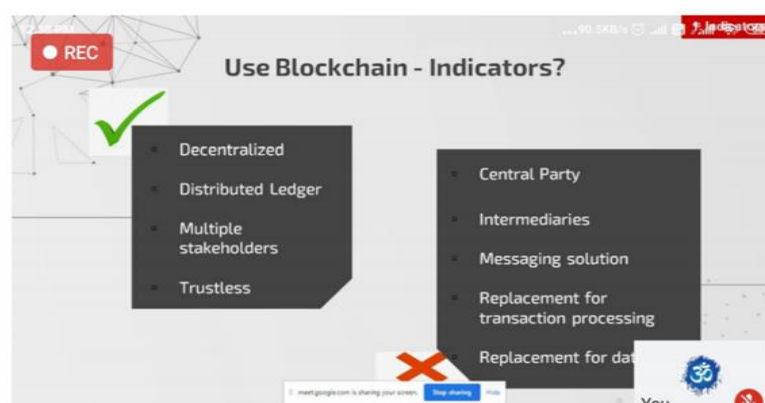
Mr.Razi Abbas, Vice President - Blockchain Engineering at J.P. Morgan Chase & Co., presenting a webinar on Blockchain Technology

Webinar Series on "Core Java for Beginners"

The Department of Computer Science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized the Webinar Series on "Core Java for Beginners" from 18th to 23rd May 2020. The resource persons for the webinar were Prof. Kanak Kalyani, Prof. Vasundhara Rathod, Prof. Jignyasa Sanghavi, Prof. Rupali Vairagade, Assistant Professor, Shri Ramdeobaba College of Engineering and Management, Nagpur.

The aim of organizing the webinar was to familiarize the participants with the fundamentals of Object-Oriented Programming and to help them in Placement activities. The session was attended by 80-95 students from non CS/IT streams of Shri Ramdeobaba College of Engineering and Management.

Webinar on "Prospects in Software Industry Post COVID-19 for M.Tech. Students"

Department of computer science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized the webinar on "Prospects in Software Industry Post COVID-19 for M.Tech. Students" on Thursday, 4th June 2020. The resource persons for the webinar were Mr. Arvind Kumar, Center Head, Tata Consultancy Services, Nagpur and Dr. P.B. Kulkarni, Dean Admissions Shri Ramdeobaba College of Engineering and Management, Nagpur. The objective of the webinar was to make aware about the software industry scenario in Post COVID-19 and encourage the students for M.Tech admission. Total 90 participants registered for this webinar from various colleges of central India. In total 21 faculties and 33 students attended the webinar.

Faculty Development Programme on "Recent Trends in Database Technologies"

Department of Computer Science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized the Faculty Development Programme on "Recent trends in Database Technologies" from Monday 22nd June 2020 to Friday 26th June 2020. Resource persons from esteemed institutions like VNIT Nagpur, IIIT Kurnool, NIT Raipur and leading MNCs like Amazon, Capgemini, Blue Prism, TCS, 6 Simplex gave insights into the recent trends in database applications to participants so that they can explore the database technologies stack in depth. This FDP provided both the theoretical and practical aspects of recent database trends including data science and big data analytics, NoSQL databases, block chain, Medical data analysis, GIS, robotics etc., providing hands on learning experience to the participants.. The FDP sessions provided the participants with an insight into the latest industrial standards and applications on the desired domain.

The FDP was attended by 150 participants from all over India and the participants expressed their thanks to coordinator Dr. M. B. Chandak and the organising team Dr. Rashmi Welekar, Prof. Aarti Karandikar, Prof. Shubhangi Tirpude, Dr. Shubhangi Neware and Prof. Pravin Sonsare for such a well-coordinated event.

Industrial Visit at Kcyberexperts Pvt. Ltd, Nagpur

Faculties during industrial visit with industry people

Faculty members of RCOEM visited Kcyberexperts Pvt Ltd, Nagpur, an authorized centre for EC council certification, on 6th FEB 2020. Objective of the industry visit was to get aware with knowledge regarding data security, Digital forensic analysis, and awareness about cybercrime. The experts in the industry demonstrated various important tools and investigation methods followed in most of Government cases. They discussed many real case studies to give realisation against legal ethics performed to secure important information stored in the system.

The expert introduced faculties to many scams that happens in financial enterprises and enhanced the knowledge of various certifications required and available in the field of cyber security required in the industry. They focussed and intimated about best practices to be followed while securing important data and transactions. Industry concluded the visit by showing Devices, testing KITs and also shared the information about how to handled the same

in solving cases. The event was coordinated by Dr.M. B. Chandak and Prof.Devishree Naidu with Ms. Isha Mujumdar, Digital Forensic Analyst, Kcyberexperts.

Industrial Visit at Persistent Systems Pvt. Ltd., Nagpur

Technical Team Personnel interacting with the gathering

With an objective to understand the working environment, placement process & selection criteria, technology trends in IT and to gain insights into the diversified domains of their technical presence, an industry visit of B. E. Third Year Students of the Department of Computer Scinece and Engineering, RCOEM, Nagpur was organised at Persistent Systems Pvt. Ltd., on February 14, 2020. The visit was planned under the guidance of Dr. M. B. Chandak, HoD CSE and coordinated by faculty members of the department.
 On February 14, 110+ students from 6th semester, CSE assembled at the premises of Persistent Systems Pvt. Ltd. at 8.00 a.m.The presentations were carried out started with the basic information about the company by their founder Dr. Anand Deshpande and his vision that has made PSPL scale new heights.
The students were further enlightened on latest trends in IT sector like Big Data, Business Analytics and Cloud Computing. It was inspiring to know that PSPL offers internship and job opportunities as well as project guidance for B.E. students.

Guest Lecture on SALESFORCE

Guest Lecture *Conduction*

Guest Lecture on "Salesforce Platform" was organized on 5th October,2019 by Mr.Dhawal Saiya, Salesforce Consultant in CSE Department in collaboration with CSI. Salesforce is an American cloud-based software company which provides customer-relationship management

service and also sells a complementary suite of enterprise applications focused on customer service, marketing automation, analytics, and application development. The main motive of this guest lecture was to provide an overview and introduction to salesforce platform for application building, infrastructure, deployment, customization, upgradation, API's and architecture. It also combines Cloud computing and CRM, focused on development of technology that stores and accesses customer data in their cloud and analysis of sales by understanding the customer transactions using the data in the cloud. The lecture was attended by 3rd year students of CSE Department.

Two Week AICTE Sponsored Faculty Development Program on"Current Trends in Deep Learning And Its Application"

Two Week AICTE Sponsored Faculty Development Program on "Current Trends in Deep Learning and its Application" dated 9thDec.–20th Dec 2019 organized by Computer Science and Engineering Department. The program coordinator of FDP was Dr. M. B. Chandak, HOD, CSE. The program inaugurated by the hands of Dr. R. S. Pande, Principal RCOEM. Nagpur. In Inaugural function Mr. Rahul Tiwari Founder and Data Scientist at Cognitior and Cognitive Analytics chaired as Technical connoisseur. The course was attended by the faculty members and Ph. D. Scholars from various states of India and from reputed organizations. The FDP conduction provided all the necessary and important aspects needed to use and implement Deep Learning Algorithms in various domains theoretically as well as practically. Participants provided a hands-on training on a suitable environment to extend, improve, integrate, refine, and assist the learning and/or experimentation process of deep learning. This enabled the participants increase the effectiveness of scientific research and widening the area of Machine Learning, Deep Learning and their practical applications in various domains. The participants were given Hands-on experience on Python, Keras, Tensorflow and PyTorch.

Inaugural addressed by Dr. R. S. Pande Principal, RCOEM, Nagpur, Mr. Rahul Tiwari and Dr. A. J. Agrawal

Internet of Things' Workshop

A one day technical workshop on Internet of Things (IoT) was conducted by the department of Computer Science and Engineering, ShriRamdeobaba College of Engineering and Management (RCOEM), Nagpur in association with ACM student chapteron 21st December, 2019 for the students of IV semester of the department. The IoT lab Kit used for the hands-on session was procured under FIST grant. The workshop was conducted by Prof. KhushbooKhurana and Prof. VasundharaRathod of CSE department.

During the workshop students were given an introduction about IoT and then hands-on session was conducted on the IoT lab Kits available in the department to encourage the 2nd year

students to start learning a new technology and develop multi-disciplinary projects for the benefit of the society.


Faculties and Participants of IOT workshop
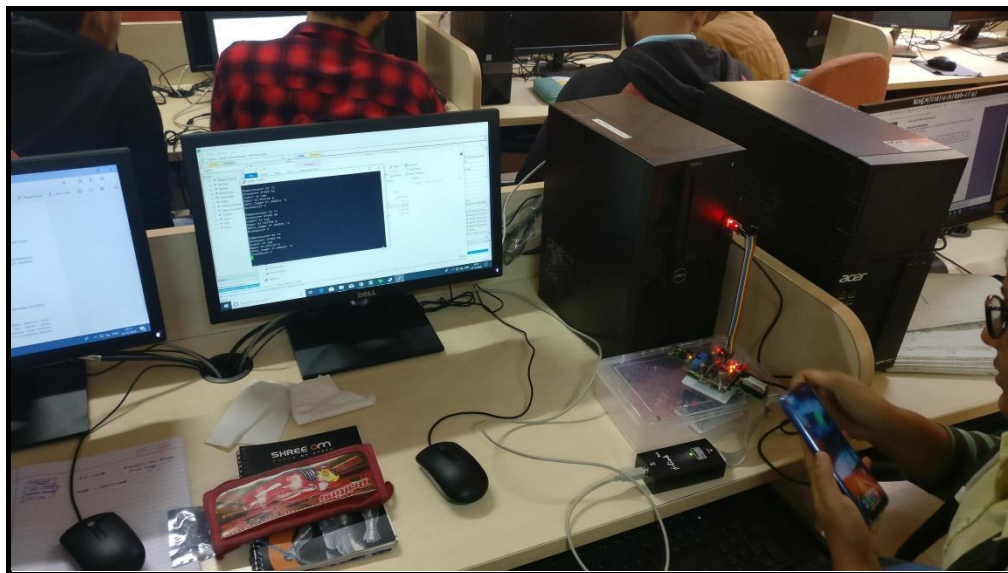
Participants performing practical sessions on kit

Guest Lecture on Mobile Application Programming

Guest Lecture on Mobile Application Programming was organized on 22nd Aug 2019 by Mr. Aatul Palankar, Corporate Trainer, Klouds Ancyber Technologies Pvt. Ltd. in CSE Department in collaboration with CSI. It covered an overview and introduction to Mobile programming using ANDROID. Mobile application programming is the set of processes and procedures involved in writing software for small, wireless computing devices. Like Web application development, mobile application development has its roots in more traditional software development. The main motive of this guest lecture was to understand developing mobile applications for Android platform which gives access to a large and expanding market in a wide variety of devices. The participants were students from 3rd year shift II of CSE Department. Ms. Arti Buche, PhD Research Scholar, CSE was the organiser of this event.

Workshop on Augmented Reality (AR)

One day workshop on "Augmented Reality" was organized on 14th May,2019. It was a hands-on training. The Vuforia SDK was used on top of the Unity Engine. The workshop includes demonstration of setting up Vuforia along with Unity Engine and the participants were also able to create a small android app using these tools. The app had a 3D virtual model with animations, which can be placed on real ground visible to the smartphone camera, in other words the 3d model interacts with the real world. Things like real world object recognition, ground plane detection, marker detection are all possible using the Vuforia SDK. Students from 2nd and 3rd year of CSE Department were the participants. The students involved in the organisation of this workshop were Aditya Sharma (DSC Lead) ,Keshav Lakotia ,Rakshit Kathawate ,Aman Shrivastava ,Shruti Bichpuriya ,Param Puranik ,Sourav Roy and Sushant Kumar under the supervision of Prof.D.Naidu, Assistant Professror, CSE Dept., RCOEM.
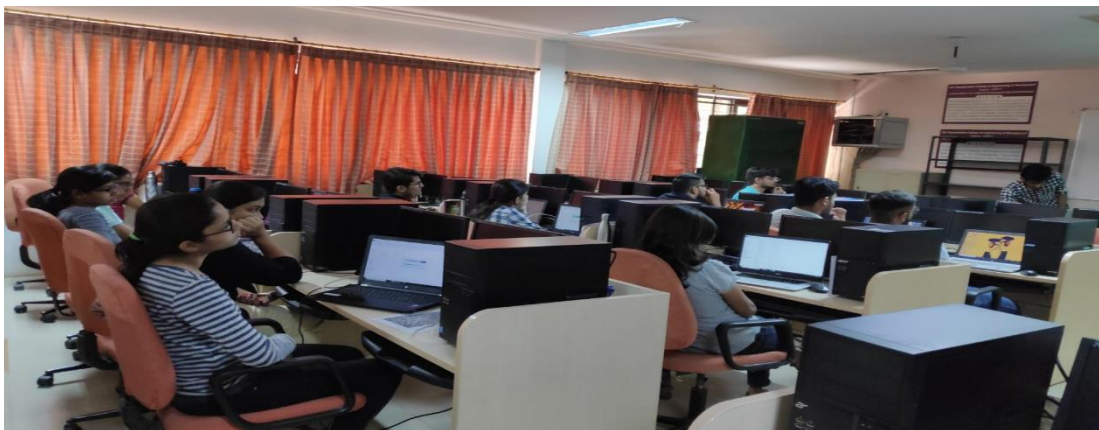
Students in workshop

ACM Two Day Workshop On Problem Solving

HOD, CSE felicitating Dr.R.Keskar

The two day workshop on "Problem Solving" was scheduled on 2nd and 3rd February,2019 with "Association for Computing Machinery (ACM)" which is an international learned society for computing and focuses on grooming the computing and logical skills of the Computer Science students. Mr. Vinit Kapoor was the chief guest for this session who is a member of ACM and has an experience of 15 years in product development in different domains covering

telecommunication, Enterprise platforms and Internet of Things. He gave a speech on the current trends and necessity of problem solving, etc. Dr. M.B.Chandak, Professor and Head of Department of CSE, RCOEM too delivered his thoughts on the same and felicitated the guests of the sessions with a memento.

Workshop was conducted in three sessions wherein the industry experts and faculties focused on the goal to make students understand the need of problem solving skills set and how to utilize it for algorithmic development. The first session was taken by Dr. Ravindra Keskar, Associate Professor at Visvesvaraya National Institute of Technology, followed by the session of an Industry expert Mr.AmitTodkar, a Software Architect at Persistent Systems, on 2nd February. The third session was taken by Prof. Kishor Bhoyar, faculty and Vice chair of ACM Chapter, Nagpur, on 3rd February which involved hands-on implementation of the real life problem statements.

Sessions were dedicated on giving the hands-on experience to develop problem solving skill set. Industry experts from Persistent and faculties from colleges such as VNIT and YCCE took interactive sessions. There were approximately 45 participants from various colleges who attended all these sessions. Students all over from the various colleges such as VNIT, YCCE, PCE and RCOEM came to attend these sessions. Some of faculties of these colleges have also participated in these interactive sessions.

Students and faculty participated in workshop on Problem Solving