



“THE BYTE”

Bringing You Tech & Excellence

THE NEWSLETTER THE PULSE OF FUTURE TECH



VOLUME 3, ISSUE 1
JANUARY - JUNE 2024

Department of

COMPUTER SCIENCE AND ENGINEERING

CHOUKSEY ENGINEERING COLLEGE, BILASPUR (CG)

FROM THE DESK OF MANAGING DIRECTOR



DR. ASHISH JAISWAL

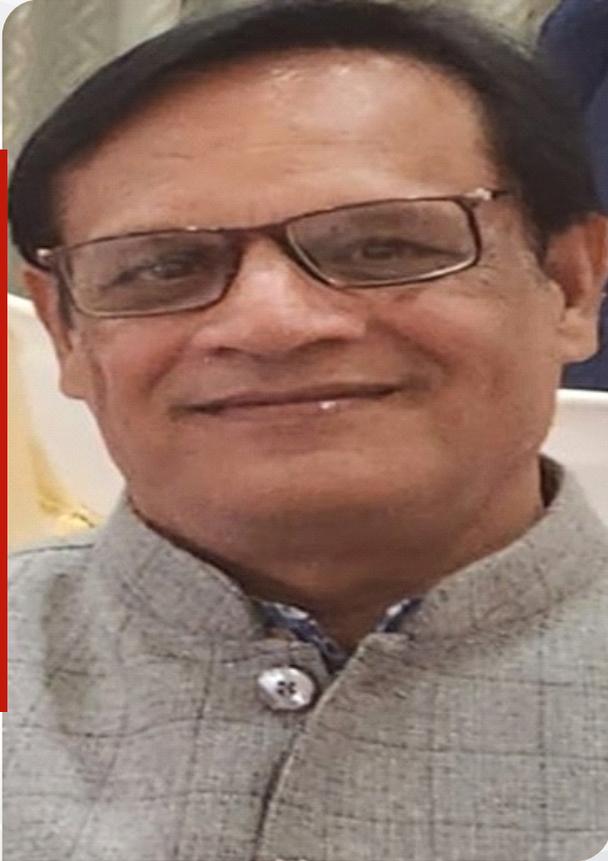
Managing Director,
Chouksey Engineering College,
Bilaspur

It gives me immense pleasure to witness the Department of Computer Science and Engineering bringing out another edition of “The Byte”. A byte in computing may be small, but it is fundamental—and just like that, this newsletter represents the building blocks of growth, innovation, and creativity within the department.

The continuous efforts of our students and faculty in academics, research, and co-curricular activities make me proud. This publication not only highlights those achievements but also reflects the spirit of collaboration and excellence that defines our institution.

I congratulate the editorial team and contributors for their hard work and wish the Department of CSE continued success in shaping future leaders in technology.

FROM THE DESK OF PRINCIPAL, CSE



DR. K. C. MAHAJAN

Principal
Chouksey Engineering College, Bilaspur

I am delighted to extend my warm greetings to all readers of “The Byte”. The newsletter is a wonderful platform that showcases the academic achievements, innovations, and vibrant culture of the CSE Department.

Education is not just about learning concepts but about applying them with creativity and purpose. Through this initiative, students learn to express, share knowledge, and inspire one another—qualities that are as important as technical skills.

I congratulate the CSE Department for this endeavor and encourage all students and faculty to continue striving towards excellence, innovation, and lifelong learning.

FROM THE DESK OF HEAD OF DEPARTMENT



DR. SHANU K RAKESH

Head of Department (HOD)

Computer Science & Engineering

Chouksey Engineering College, Bilaspur

It is my great pleasure to present this edition of “The Byte”, the official newsletter of the CSE Department. This newsletter is more than just a record of events; it is a reflection of our collective journey—our projects, achievements, research, and the enthusiasm that drives us forward.

Over the past months, our department has continued to uphold a tradition of excellence through a wide array of activities, including industrial visits, MoUs, alumni meets and talks, project presentations, NPTEL certifications, technical workshops, and quality research initiatives. Our vibrant campus life was further enriched by active participation in cultural and festive celebrations such as the Vibrant Week, Saraswati Pooja, and Holi.

Our students have consistently showcased exemplary skills, creativity, and innovation, while our dedicated faculty members have remained steadfast in their commitment to guide and mentor them. Together, we embrace the ever-evolving landscape of computer science, where knowledge, technology, and ideas advance at an unprecedented pace.

I extend my gratitude to the editorial team, contributors, and supporters for their efforts in bringing this publication to life. I invite all readers to not just go through these pages but to also be inspired and motivated to learn, innovate, and excel.

“Innovation begins with small steps—just like a byte, every effort counts towards building greatness.”

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CHOUKSEY ENGINEERING COLLEGE, BILASPUR

VISION AND MISSION OF THE INSTITUTE

VISION

To be a leading technical institute of National and International repute, providing quality education and to produce technically competent, ethical and socially responsible professionals

MISSION

- ◆ To provide students with the best possible inputs through faculty, infrastructural facilities and opportunities by the best available means.
- ◆ To produce best engineers and managers with the sense of duty to humanity and a commitment to their society and country.
- ◆ Producing technically skilled manpower to meet the unique needs of industries that forge new paths, develop new products and come up with innovative solutions
- ◆ To prepare students to be eligible for placement in PSUs/Government Sectors/MNCs/Private Sectors.

DEPARTMENT COMPUTER SCIENCE AND ENGINEERING

VISION AND MISSION OF THE DEPARTMENT

VISION

To emerge as a centre of excellence in the field of Computer Science and Engineering education, and to produce technically competent, socially responsible professionals to cater the needs of industry and society.

MISSION

- ◆ To provide best possible educational facilities for teaching & learning process to computer science and engineering students for building a promising career.
- ◆ To produce best Computer Science Engineers with personal and professional skills and responsibilities to cater the needs of Industry, Government and Society.
- ◆ To create ambient environment in which core competency in the field of computer science & engineering along with research can be enhanced.
- ◆ To strengthen and mould students in professional, ethical, social and environmental dimensions by encouraging participation in co-curricular and extracurricular activities.

ABOUT THE DEPARTMENT

The Department of Computer Science & Engineering (CSE) at Chouksey Engineering College, Bilaspur, established in 2001, is one of the earliest and most dynamic CSE departments in the district. Over the years, it has grown into a hub of innovation, creativity, and technical excellence, integrating the fields of Computer Engineering and Computer Science to prepare students for the ever-evolving technology landscape.

With a vision to produce globally competent professionals, the department offers B.Tech and M.Tech programs in Computer Science & Engineering, enabling students to specialize in cutting-edge areas such as software development, artificial intelligence, data science, cybersecurity, and other emerging technologies. With its interdisciplinary nature and global relevance, the CSE discipline equips graduates to become leaders of Industry 4.0 and beyond.

Guided by a strong team of experienced faculty with rich industry and research backgrounds, and supported by state-of-the-art laboratories and a research-driven environment, the department emphasizes holistic student development. Students are actively engaged in projects, hackathons, workshops, industrial training, off-campus selection programs, and community-driven initiatives, ensuring a seamless connection between classroom learning and real-world applications.

The department attracts high-quality students from across Central India and maintains an impressive placement record. Many graduates have joined leading IT companies, or pursued higher education from top IITs and NITs, launched startups, reflecting the department's commitment to academic excellence and lifelong learning.

Our curriculum is designed with flexibility for advanced specializations, encouraging students to explore diverse domains through a wide range of research projects, internships, and industry collaborations. In addition to imparting effective education and enhancing the teaching-learning process, the department also focuses on the overall personality development of students, fostering confidence, leadership, and innovation.

Fully equipped to meet the dynamic challenges of the 21st century, the Department of Computer Science & Engineering continues to play a key role in shaping modern education by providing unique opportunities at the forefront of computer engineering and its applications.



ARTICLE BY FACULTY

PROF. NILESH GUPTA

Asst. Professor (CSE)

E WASTE MANAGEMENT

What is E-waste?

The rapidly increased use of Information and Communications Technologies (ICTs) has increased demand for electronic equipment such as mobile phones and computers. Individuals, public and private institution worldwide are adopting ICTs at a fast pace. Increased consumption has resulted in huge amounts of e-Waste generated from scrapped electronics. E-Waste contains chemical substances that have adverse effects on the environment and human health. Consequently, handling of e-Waste needs to be organized in ways that minimize the adverse effects. As data on e-Waste handling in EAC countries is not publicly available, semi-structured interviews with high government officials and a literature review were conducted. The results show that EAC governments consider e-Waste to be an emerging problem. Despite this awareness and attempts to mitigate the problem in some of the countries, there are currently no solid solutions that have been crafted to rectify or mitigate this problem. The study suggests practical solutions for resolving e-Waste challenges in EAC.

E Waste Management

E-waste management is the process of collecting, recovering, and recycling e-waste. The goal is to reduce, reuse, and recycle e-waste. Some e-waste contains valuable materials that can be reused or recycled; while other e-waste may contain hazardous materials that should be disposed of carefully. Waste management is a critical issue that must be addressed to protect the environment and human health. When broken or unwanted electronics are dumped in landfills, toxic substances like lead and mercury can leach into soil and water. Electronics also contain valuable non-renewable resources including gold, silver, copper, platinum, aluminum, and cobalt.

Here are some objectives of e-waste management: Reduce, reuse, and recycle, Recover and recycle material by safe methods, Dispose of e-waste by suitable techniques to reduce its adverse impacts on the environment Set standards for the management of e-waste and enforce these standards

Some examples of e-waste include:

- ◆ Old CRT tube televisions
- ◆ LCD, OLED, and plasma televisions
- ◆ LCD monitors, smart displays, and tablets Laptops with LCD monitors



ARTICLE BY STUDENT

AKSHAY SAINI

8th Sem (CSE)

GENERATIVE AI: THE NEXT PRODUCTIVITY FRONTIER

“Generative AI is the most powerful tool for creativity that has ever been created. It has the potential to unleash a new era of human innovation.” - Elon Musk

AI has permeated our lives incrementally, through everything from the tech powering our smart phones to autonomous-driving features on cars to the tools retailers use to surprise and delight consumers. As a result, its progress has been almost imperceptible. Clear milestones, such as when Alpha Go, an AI-based program developed by Deep Mind, defeated a world champion Go player 'Lee Sedol' in 2016, were celebrated but then quickly faded from the public's consciousness.

Generative AI applications such as ChatGPT, GitHub Copilot, Stable Diffusion, and others have captured the imagination of people around the world in a way Alpha Go did not, thanks to their broad utility—almost anyone can use them to communicate and create—and preternatural ability to have a conversation with a user. The latest generative AI applications can perform a range of routine tasks, such as the reorganization and classification of data. But it is their ability to write text, compose music, and create digital art that has garnered headlines and persuaded consumers and households to experiment on their own. As a result, a broader set of stakeholders are grappling with generative AI's impact on business and society but without much context to help them make sense of it. The speed at which generative AI technology is developing isn't making this task any easier. ChatGPT was released in November 2022. Four months later, OpenAI released a new large language model, or LLM, called GPT-4 with markedly improved capabilities. Similarly, by May 2023, Anthropic's generative AI, Claude, was able to process 100,000 tokens of text, equal to about 75,000 words in a minute—the length of the average novel—compared with roughly 9,000 tokens when it was introduced in March 2023. And in May 2023, Google announced several new features powered by generative AI; including Search Generative Experience and a new LLM called Palm 2 that will power its Bard chatbot, among other Google products. Models have enabled new capabilities and vastly improved existing ones across a broad range of modalities, including images, video, audio, and computer code. AI trained on these models can perform several functions; it can classify, edit, summarize, answer questions, and draft new content, among other tasks. All of us are at the beginning of a journey to understand generative AI's power, reach, and capabilities. This research is the latest in our efforts to assess the impact of this new era of AI. It suggests that generative AI is poised to transform roles and boost performance across functions such as sales and marketing, customer operations, and software development. In the process, it could unlock trillions of dollars in value across sectors from banking to life sciences.

DEPARTMENT ACTIVITIES

“Celebrated Republic Day on 26th January 2024”



The Chouksey Group of Colleges celebrated Republic Day on 26th January 2024 with great enthusiasm. The CSE Department actively participated in the event, which began with the flag hoisting, followed by speeches from esteemed guests. This was succeeded by an impressive parade by NCC students. Achievements of students were recognized through a felicitation ceremony, and certificates were distributed to NSS and NCC participants. The celebration concluded with the distribution of sweets to all attendees.

“Celebrated Vibrant Week on - January 2024”



The Chouksey Group of Colleges celebrated the Festival of Colors during the week of January 2024. The CSE Department faculty and students actively participated in this vibrant event, with each day dedicated to a specific color representing its subconscious value in human life. Blue symbolized calmness and trust, green represented mutual growth and respect for nature, red showcased the love and passion for education, and so on, allowing participants to celebrate the deeper significance of colors while enjoying the festivities.

“Celebrated Saraswati Pooja on 14th February 2024”

The department of Computer Science and Engineering celebrated the Saraswati Pooja on 14th February 2024 to honor Goddess Saraswati, the deity of knowledge and learning. The event symbolized the department's commitment to education, hard work, and academic excellence, inspiring students and faculty to strive for success in the pursuit of their dreams and goals.



“Holi Celebration on 23rd March 2024”



The Department of Computer Science & Engineering celebrated Holi on 23rd March 2024, the festival of colors, symbolizing the victory of good over evil. The celebration provided an opportunity for fun, joy, and fresh beginnings with friends, colleagues, and loved ones. The event was organized by the college and saw enthusiastic participation from both staff and students.

“Women's Day Celebration on 07/03/2025”

Women's Day was celebrated at Chouksey Engineering College on 7th March 2024 with active participation from the Department of Computer Science & Engineering and all female colleagues of the college. The event honored the most powerful force on Earth—women, recognizing their ability to create life, nurture families, and pursue their dreams. Their dedication and achievements serve as an inspiring role model for everyone to admire and emulate.

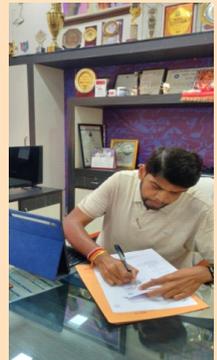
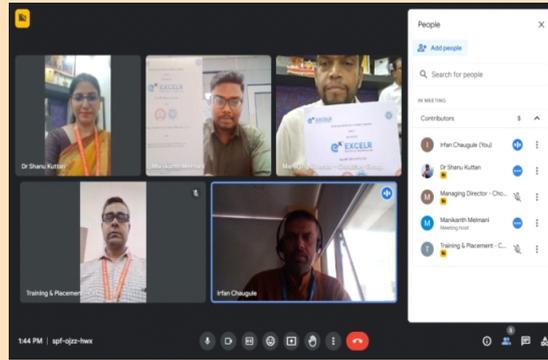
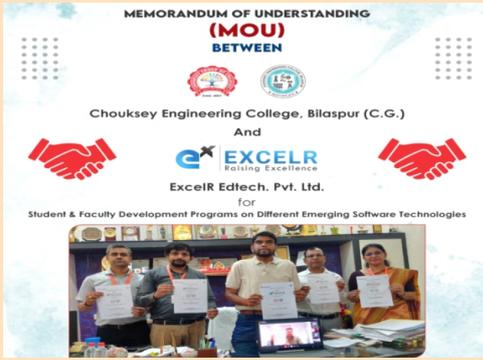


“INDUSTRIAL VISIT at NABLE INVENTS SOLUTION PVT. LTD. BILASPUR (A UAE Based Software Company) on 10/04/2024”



The Department of Computer Science & Engineering organized a one-day industrial visit to Nable Invent Solution Pvt. Ltd., a UAE-based software company. During the visit, students gained valuable insights into the IT workforce from experienced professionals and realized that the knowledge gained in college is only a part of what is required in the real world. The visit provided students with first-hand exposure to real-life work scenarios and industry practices, preparing them effectively for their future careers.

“Signed MOU with EXCEL R on 8/04/2024”



The Department of Computer Science & Engineering at Chouksey Engineering College signed an MoU with Excel R Edtech Pvt. Ltd. on 8th April 2024 to facilitate student and faculty development programs in emerging technologies. This collaboration enables students and faculty to learn new skills, stay updated with the latest technologies, and participate in Student Development Programs and Faculty Development Programs. For students, the initiative has enhanced academic performance and classroom engagement, while for faculty, it has contributed to improved teaching skills and professional growth.

“Alumni Meet on 13/04/2024”

Chouksey Engineering College, along with all engineering departments, organized the Alumni Meet 2024 on 13th April 2024 at the college. Alumni returned to share their college experiences, were felicitated, and participated in performances and cultural activities. The event also included a dinner, providing an opportunity for alumni to reflect on how the college contributed to their personal and professional success, while reconnecting with faculty and peers.



“Alumni talk on 18/04/2024”



The Department of Computer Science & Engineering, in collaboration with the Training & Placement (T&P) Cell, organized an Alumni Talk featuring Mr. Rohit Deshmukh, a distinguished alumnus from the 2005 batch. He shared his experiences from the IT industry at Vistaprint, providing valuable insights into real-world professional scenarios. Over 100 students attended the session, gaining a better understanding of workplace expectations and preparing themselves to excel in their future roles.

“Alumni Talk on 8/05/2024”



The Department of Computer Science & Engineering organized an Alumni Talk featuring Mr. Shreyash Agrawal, a 2020 pass-out, working, as DaaS Engineer II (AWS) at Vertafore India Pvt. Ltd. Hyderabad. Over 100 students attended the session to gain insights into working in a software company. Our alumnus shared valuable experiences and guidance, helping students to mentally prepare for professional challenges and inspiring them to achieve success in their future careers.

One Week FDP cum Workshop on “RESEARCH WRITING AND INTELLECTUAL PROPERTY RIGHTS USING ARTIFICIAL INTELLIGENCE”

CHOUKSEY ENGINEERING COLLEGE
(Approved by AICTE and Affiliated to CEVU, Bhal)

SECL
South Eastern Coalfields Ltd.

One Week Faculty Development Program cum Workshop
On
RESEARCH WRITING AND INTELLECTUAL PROPERTY RIGHTS USING ARTIFICIAL INTELLIGENCE
29th April to 4th May 2024 (Online Mode)

Sponsored by SOUTH EASTERN COALFIELDS LTD.
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Convenor: Mr. Amit Steve Henry, Head, Department of Management
Co-Convenor: Dr. Shanu K Rakesh, Head, Department of Computer Science
Chouksey Group of Colleges, NH-49, Lal Khadan Masuli Road, Bilaspur (C.G.)
Phone: 9302971400 | 1039000036

Participants
Academicians, Research Scholars, Industry People, and Students.
Certification
E-Certificate will be provided to all the participants

Registration Fees (200/-)
For Academicians, Research Scholars, people from Industry and Students

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CHOUKSEY ENGINEERING COLLEGE, Bilaspur C.G.
(Approved by AICTE and Affiliated to CEVU, Bhal)
One Week Faculty Development Program cum Workshop
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RESEARCH WRITING AND INTELLECTUAL PROPERTY RIGHTS USING ARTIFICIAL INTELLIGENCE
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Chouksey Engineering College, NH-49, Lal Khadan Masuli Road, Bilaspur (C.G.)
Phone: 9302971400 | 1039000036
Website: www.ceccbilaspur.ac.in



The Departments of Computer Science & Engineering and Management at Chouksey Engineering College organized a One-Week Faculty Development Programme cum Workshop on “Research Writing and Intellectual Property Rights Using Artificial Intelligence” from 29th April to 4th May 2024, sponsored by SECL. The program was convened by Mr. Amit Steve Henry, HOD MBA, with Dr. Shanu K. Rakesh, HOD CSE, as co-convenor. The workshop proved extremely valuable for faculty involved in thesis writing and research activities. Participants gained insights into effectively leveraging existing tools and technologies, and learned how to harness Artificial Intelligence to enhance research efficiency, reducing both time and manual effort in their scholarly work.

“Yoga Day 2024 - on 21/06/2024”

Chouksey Engineering College Organized a celebrated on Yoga Day on 21 June 2024, with active participation from the Department of Computer Science and Engineering (CSE) staff and students. The event highlighted a group of physical and mental practices aimed at promoting mental peace, a calm and clear mind, self-control, and overall health. The celebration emphasized the importance of nurturing both the body and soul for a balanced and long, healthy life.



“FAREWELL for Batch 2020-2024 on 29/04/2024”



The CSE Department's Final Year Student Farewell Program was filled with cultural performances, fun activities, and memorable moments, celebrating the journey of our graduating students. It was a joyous occasion where students, faculty, and staff came together to laugh, dance, and create lasting memories.

“Major Project Presentation of final year students”



Our final-year students presented their Major Projects on 27th April 2024, marking the culmination of their four-year journey. Each student showcased the knowledge, skills, and experiences gained over the years, demonstrating their growth and preparedness. They spoke confidently in front of a room of external examiner, faculty and mentors who have guided, supported, and shaped them into the professionals they are today.

“SIGN OFF DAY”

The Department of Computer Science and Engineering celebrated the sign-off day of our beloved final-semester students, bidding them farewell as they embark on their journey into the real world, ready to embrace challenges and grow into confident, independent professionals.

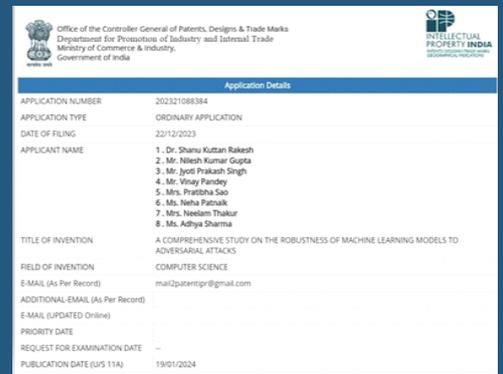


FACULTY ACHIEVEMENTS

RESEARCH AND DEVELOPMENT:

- ◆ Dr. Shanu Kuttan Rakesh, Mr. Nilesh Kumar Gupta, Mr. Jyoti Prakash Singh, Mr. Vinay Pandey, Mrs. Pratibha Sao, Ms. Neha Patnaik, Mrs. Neelam Thakur, Ms. Adhya Sharma, “A Comprehensive study on the robustness of Machine Learning Models to adversarial attacks”, Indian Patent No. 202321088384, filed on date 22-12-2023 and published on date 19-01-2024.
- ◆ C.T. Dora Pravina, Nancy Arya, Sunil Sharma, Koushik Chakraborty, Shanu Kuttan Rakesh, Arvind Kumar Singh, “Image Based Security System in cloud resource Scheduling”, ICIMMI '23: Proceedings of ICMMI 2023: the 5th International Conference on Information Management & Machine Intelligence, November 23-25, 2023, Article No.: 35, Pages 1–6, Publisher: Association for Computing Machinery (ACM), New York NY, United States (ACM Digital Library), published date 13 May 2024, <https://doi.org/10.1145/3647444.3647861>, [ACM ISBN No.: 979-8-4007-0941-8]. (SCOPUS)
- ◆ Akshay Saini, Bhavesh Dewangan, Dhanya Thakur, Priya Singh, Dr Shanu K Rakesh, “NOVA Food Classification Using Machine Learning: A Detailed Study on Package Food in India”, National Conference on Recent Advancement & Innovation in Computer Science and Information Technology (NCRAICSIT-2024) Towards the Viksit Bharat @2047 organized by Dr. C.V.Raman University Kota, Bilaspur on 26th and 27th April 2024. (ISBN No.)
- ◆ Anushree Jain, Shanu K Rakesh “Revolutionizing Patient Care using AI: A Review of IoT, Machine Learning, and Generative AI in Healthcare”, International Research Journal of Engineering and Technology (IRJET), Volume: 11 Issue: 02, Feb 2024, Impact Factor value: 8.226, pp: 399-404, e-ISSN: 2395-0056, p-ISSN: 2395-0072(UGC).
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- ◆ Uma Rani, Neeraj Dahiya, Shakti Kundu, Sonal Kanungo, Sakshi Kathuria, Shanu Kuttan Rakesh, Anil Sharma, “Deep Learning-Based Urban Energy Forecasting Model for Residential Building Energy Efficiency”, Energy Exploration & Exploitation. 2024; 42(5). 1799-1828 SAGE Publications Ltd. , ISSN: 0144-5987, Online ISSN: 2048-4054, doi:10.1177/01445987241257590(SCIE, SCOPUS).
- ◆ Akshay Saini, Bhavesh Dewangan, Dhanya Thakur, Priya Singh, Dr Shanu K Rakesh, “NOVA Food Classification Using Machine Learning: A Detailed Study on Package Food in India”, National Conference on Recent Advancement & Innovation in Computer Science and Information Technology (NCRAICSIT-2024) Towards the Viksit Bharat @2047 organized by Dr. C.V.Raman University Kota, Bilaspur on 26th and 27th April 2024. (ISBN No. 978-93-92079-61-0)
- ◆ Nilesh Gupta, “A comprehensive study on consumer behaviour towards online and offline shopping in Bilaspur” on INTERNATIONAL JOURNAL OF COMMERCE AND MANAGEMENT RESEARCH, ISSN 2455-1627, Vol 10, Issue 2, page no. 137-139, Reference No. 10063, April 2024.
- ◆ Nilesh Gupta, Paper Present in Topic “Understanding User Preferences And Consumption Habits On Indian OTT Platforms” in NCRAICSIT-24 organized by Dr. C.V. Raman University April 2024

- ◆ Dr. Ashish Jaiswal, Nilesh Gupta “SUCCESS ASPECT OF AGILE SOFTWARE PROJECT AND DEVELOPMENT BASED ON HUMAN”, National conference on recent advancement and innovation in computer science and information technology (NCRAICSIT-24): towards vikshit Bharat@2047.
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- ◆ Neelam Thakur, Pratibha Sao, Anita Borkar, Neha Patnaik, “Log Mining and Pre-fetching using HMM & Fuzzy Clustering Technique” in National Conference on Recent Advancement & Innovation In Computer Science and Information Technology(NCRAICSIT-24): Towards Vikshit Bharat@2047, organized by: Department of Information Technology & Computer Science and IQAC, Dr. C.V. raman University, Kargi Road, Kota, Bilaspur(C.G.) on 26th and 27th April 2024.
- ◆ Neelam Thakur, Pratibha Sao, Anita Borkar, Neha Patnaik, “Log Mining and Pre-fetching using HMM & Fuzzy Clustering Technique” in National Conference on Recent Advancement & Innovation In Computer Science and Information Technology(NCRAICSIT-24): Towards Vikshit Bharat@2047, organized by: Department of Information Technology & Computer Science and IQAC, Dr. C.V. raman University, Kargi Road, Kota, Bilaspur(C.G.) on 26th and 27th April 2024.
- ◆ Satyendra Kumar Mishra, Gaurav Namdeo, Loknath Yadav, Satyam Kumar, Mrs. Neelam Thakur “Variant.ai”. International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 04 | April – 2024 ISSN: 2582-3930. <https://ijsrem.com/download/variant-ai/>
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- ◆ Neelam Thakur “PROBLEMS RELATED TO MENTAL WELL-BEINGNESS AND ITS SOLUTIONS” in NCRAICSIT-24 Organized by Department of Information Technology & Computer Science and IQAC, Dr. C.V. Raman university, Kargi Road, Kota Bilaspur, (C.G.) on 26 and 27 April 2024. ISBN : 978-93-92079-61-0
- ◆ Jyoti Kansari, Amanraj Banjare, Satish Das, Rahul Patle, “DEEPFAKE DETECTION WITH DEEP NEURAL NETWORK”, National conference on Recent Advancement & Innovation in Computer Science and Information Technology(NCRAICSIT-24, towards Viksit Bharat @2047 organized by Department of Information and Technology and Computer Science and IQAC, Dr. C. V. Raman University, kargi road, Kota Bilaspur, (G.G.) on 26th and 27th April 2024.
- ◆ Jyoti Kansari, Kajal, Tanya, “EMOTION TRACKING” , National conference on Recent Advancement & Innovation in Computer Science and Information Technology(NCRAICSIT-24, towards Viksit Bharat @2047 organized by Department of Information and Technology and Computer Science and IQAC, Dr. C. V. Raman University, kargi road, Kota Bilaspur, (G.G.) on 26th and 27th April 2024
- ◆ Neelam Thakur, Pratibha Sao, Anita Borkar, Neha Patnaik, “Log Mining and Pre-fetching using HMM & Fuzzy Clustering Technique” in National Conference on Recent Advancement & Innovation In Computer Science and Information Technology(NCRAICSIT-24): Towards Vikshit Bharat@2047, organized by: Department of Information Technology & Computer Science and IQAC, Dr. C.V. raman University, Kargi Road, Kota, Bilaspur(C.G.) on 26th and 27th April 2024.



FDP/STP/TTP/WORKSHOP:

- ◆ Dr. Shanu k Rakesh, One week NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grant Commission (UGC) organized by UGC- MMTC, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG) from 16-04-2024 to 26-04-2024.
- ◆ V. S. Kharsan, "Village Vanguard: Leading Change in Rural Communities," Seminar, S. Sairam Engineering College, Apr. 17, 2024.
- ◆ V. S. Kharsan, "Shaping the Future of Research with AI," Seminar, Editage, Mar. 27, 2024.
- ◆ V. S. Kharsan, "Data Science Using Python," International Workshop, Dhole Patil College of Engineering, Feb. 19–23, 2024.
- ◆ V. S. Kharsan, "Social Internship Program," Workshop, Paryavaran Sanrakshan, Mar. 19–21, 2024.
- ◆ V. S. Kharsan, "Research Writing and Intellectual Property Rights Using Artificial Intelligence," FDP, Chouksey Engineering College, Apr. 29–May 4, 2024.
- ◆ V. S. Kharsan, "NEP 2020 Orientation and Sensitization Programme," FDP, Guru Ghasidas Vishwavidyalaya, May 1–10, 2024.
- ◆ Nilesh Gupta, Attend one Week online International Workshop on "Contemporary Trends and Fundamental of Scientific Research" organized by Faculty management Studies ICFAI University Raipur Jan 2024.
- ◆ Nilesh Gupta, Certificate of Recognition for service as organizing member during one week Faculty development program entitled Research Writing and Intellectual Property Rights Using Artificial Intelligence organized by Chouksey Engineering College, Bilaspur May 2024.
- ◆ Neetin Kumar, One Week Faculty Development Programme cum workshop on "Research Writing and Intellectual Property Rights Using Artificial Intelligence" organized by Chouksey Engineering College Bilaspur, from April 29 to May 04, 2024.
- ◆ This is to certify that Mr. Neetin Kumar from Chouksey Engineering College, Bilaspur has completed the NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grant Commission (UGC) organized by UGC- MMTC, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG) from 16-04-2024 to 26-04-2024 and Obtained Grade A+.
- ◆ Vinay Pandey, One day seminar on "Excellency in AI/ML/DL across Engineering Academia and Industry conducted by ARK & MATHWORKS in association with GEC Raipur on 15 february 2024.
- ◆ Vinay Pandey, NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grant Commission (UGC) organized by UGC- MMTC, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG) from 16-04-2024 to 26-04-2024 and Obtained Grade B.

- ◆ Vinay Pandey, One Week Faculty Development Programme on “RESEARCH WRITING AND INTELLECTUAL PROPERTY RIGHTS USING ARTIFICIAL INTELLIGENCE” organized by Chouksey Engineering College from 29/04/2024 To 04/05/2024.
- ◆ Vinay Pandey, One day seminar on “Excellency in AI/ML/DL across Engineering academia and industry” on 15 feb 2024 organized by ARK & Mathworks in association with GEC Raipur.
- ◆ Jyoti Prakash Singh, NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme(MM-TTP) of University Grant Commission(UGC) organized by UGC-MMTC , Guru Ghasidas Vishwavidyalaya, Bilaspur(CG) From 16/04/2024 to 26/04/2024 and Obtained Grade A
- ◆ Jyoti Prakash Singh, One Week Faculty Development Programme on “RESEARCH WRITING AND INTELLECTUAL PROPERTY RIGHTS USING ARTIFICIAL INTELLIGENCE” organized by Chouksey Engineering College from 29/04/2024 To 04/05/2024.
- ◆ Pratibha Sao, NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme(MM-TTP) of University Grant Commission(UGC) organized by UGC- MMTC , Guru Ghasidas Vishwavidyalaya, Bilaspur(CG) From 16/04/2024 to 26/04/2024 and Obtained Grade A.
- ◆ Pratibha Sao, One Week Faculty Development Programme on “RESEARCH WRITING AND INTELLECTUAL PROPERTY RIGHTS USING ARTIFICIAL INTELLIGENCE” organized by Chouksey Engineering College from 29/04/2024 To 04/05/2024.
- ◆ Neha Patnaik, One Week Faculty Development Programme cum workshop on “Research Writing and Intellectual Property Rights Using Artificial Intelligence” from April 29 to May 04, 2024.
- ◆ Neha Patnaik, NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grant Commission (UGC) organized by UGC- MMTC, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG) from 16-04-2024 to 26-04-2024 and Obtained Grade A+.
- ◆ Neelam Thakur “Excellency in AI/ML/DL across Engineering, Academia and Industry” (One day Seminar), Conducted by ARK & MathWorks in Association with GEC Raipur on 15 February 2024.
- ◆ NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme(MM-TTP) of University Grant Commission(UGC) organized by UGC- MMTC , Guru Ghasidas Vishwavidyalaya, Bilaspur(CG) From 16/04/2024 to 26/04/2024 and Obtained Grade A.
- ◆ One Week Faculty Development Programme on “RESEARCH WRITING AND INTELLECTUAL PROPERTY RIGHTS USING ARTIFICIAL INTELLIGENCE” organized by Chouksey Engineering College from 29/04/2024 To 04/05/2024.
- ◆ Jyoti Kansari, “Excellency in AI/ML/DL across Engineering Academia and Industry”, one day Seminar on 15 Feb 2024 held at GEC, Raipur.
- ◆ Jyoti Kansari, NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grant Commission (UGC) organized by UGC-MMTC, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG) from 16-04-2024 to 26-04-2024 and Obtained Grade A.
- ◆ Jyoti Kansari, One week Faculty Development Programme cum Workshop on "Research Writing and Intellectual Property Rights Using Artificial Intelligence" from 29th April to 4th May 2024, organized by Chouksey Engineering College, Bilaspur C.G
- ◆ Anita Borkar, One Week Faculty Development Programme cum workshop on “Research Writing and Intellectual Property Rights Using Artificial Intelligence” from April 29 to May 04, 2024 Organized by Chouksey Engineering College.

- ◆ Anita Borkar, NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grant Commission (UGC) organized by UGC- MMTC, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG) from 16-04-2024 to 26-04-2024 and Obtained Grade A+.
- ◆ Nilesh Gupta, NEP 2020 orientation and sanitization program under malaviya mission teachers training program of UGC organized by UGC-MMTC, GuruGhasidas Central University bilaspur from 16-04-2024 to 26-04-2024.
- ◆ Nilesh Gupta, one week Faculty Development Program In “Research Writing and Intellectual Property Rights Using Artificial Intelligence” Organised by Chouksey Engineering College Bilaspur May 2024.

REVIEWER IN JOURNAL: 01

- ◆ Dr. Shanu K Rakesh, reviewed research paper in IEEE Transactions on Reliability paper title "An effective $O(\log(N))$ algorithm for fault tolerance analysis of $(n, 2)$ -enhanced hypercubes in terms of dynamically varied h -extra edge-connectivity" in October 2024.

CAREER COUNSELLOR CERTIFICATION:

Following faculties are “Certified Career Counsellor”, as they have successfully completed the International Level 1 & 2 Certification in Career Counselling from Career Development Association (CDA), India on 4 March 2024

- ◆ 1. Dr. Shanu K Rakesh
- ◆ 2. Mr. Nilesh Gupta
- ◆ 3. Mrs. Neelam Thakur
- ◆ 4. Mrs. Anita Borkar
- ◆ 5. Ms. Neha Patnaik

EXAMS QUALIFIED

- ◆ Mrs. Jyoti Kansari, Assistant Professor CSE qualified UGC NET 2024 Exam for Ph.D

FACULTY SPORTS ACHIEVEMENTS:

- ◆ Dr. Shanu K Rakesh and Ms. Neha Patnaik, Won the Women’s Doubles in Inter School Staff Badminton Championship 2023-2024 at Holy Cross Eng. Med. School, Bilaspur.



YOUTUBE CHANNEL “SHANU KUTTAN CSE CLASSES”, OF DR. SHANU K RAKESH, HOD CSE, COMPLETED 50000+ SUBSCRIBERS AND 10 MILLION+ VIEWS

A Monetized Educational YOUTUBE CHANNEL “Shanu Kuttan CSE Classes”, crossed 50K+ subscribers and 10 Million+ views, watched all over INDIA along with global presence in various countries such as USA, UK, Nepal, Bangladesh, Pakistan, and many more.



STUDENTS ACHIEVEMENTS

CAMPUS PLACEMENTS HIGHEST PACKAGE ACHIEVERS



RESEARCH AND DEVELOPMENT:

- ◆ Yash Sinha, Vinay Ahirwar, Lalit Kumar, Arpita Tiwari, Participated and Presented a Paper titled "A FULL STACK JOB PORTAL FOR BOTH EMPLOYER AND JOB-SEEKER USING MERN STACK" National conference on 26h & 27th April 2024 at NCRAICSIT 2024 CVRU
- ◆ Kajal, Tanya, Participated and Presented a Paper titled "A Research on Emotion Tracking" National conference on 26h & 27th April 2024 at NCRAICSIT 2024 CVRU.
- ◆ Rahul Patle, Satish Das, Amanraj Banjare, Participated and presented a Paper titled "Deepfake Detection with Deep Neural Network" National conference on 26th & 27th April 2024 at NCRAICSIT 2024 CVRU.
- ◆ Akshay Saini, Bhavesh Dewangan, Dhanya thakur, Priya Singh, Participated and presented a Paper titled "NOVA FOOD CLASSIFICATION USING MACHINE LEARNING: A DETAILED STUDY ON PACKAGE FOOD IN INDIA" on 26th & 27th April 2024 at NCRAICSIT 2024 CVRU.
- ◆ Yogesh Kumar, Sant Kumar, Sumit Sahu, Participated and Presented a Paper titled "PROBLEMS RELATED TO MENTAL WELL-BEINGNESS AND ITS SOLUTIONS" on 26h & 27th April 2024 at NCRAICSIT 2024 CVRU.
- ◆ Satyendra Kumar Mishra, Gaurav Namdeo, Loknath Yadav, Satyam Kumar, Published a paper titled "Variant.ai", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 08 Issue: 04, April - 2024 SJIF Rating: 8.448 ISSN: 2582-3930

CSE DEPARTMENT TOPPERS

3RD SEMESTER

5TH SEMESTER

7TH SEMESTER

Congratulations!
OUR TOPPERS
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
3RD SEM | SESSION 2023-24

OM BHARDWAJ 83%	C. LAVANYA RAO 82.8%	NIDHI KUMARI 81.4%	PRINCE THAKUR 81.3%	K. SHWETA RAO 78.9%
CHANDRABHAN MAHTO 78.4%	NEELASHREE 75.1%	OMKAR SAHU 75.1%	PREETI PAIKRA 73.3%	AYUSH TIWARI 72.3%

CHOUKSEY ENGINEERING COLLEGE
Congratulations!
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
5TH SEMESTER TOPPERS (2023)

DEBASISH RAHA 88.7%	SANKAR MONDY 82.3%	SHUBHAM KESHAVNANI 82.0%	MAULI SINGH 81.7%	PREETI PAL 80.0%
SEEMAM PATHAK 79.9%	ANVISH SINGH 79.8%	ANURUDH TRIVEDI 77.9%	AYUSH TIWARI 77.7%	ADITYA SAXENA 76.8%

Congratulations!
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
TOPPERS 7TH SEM (NOV-DEC-2023)

Prateek Mallick 88.7%	Sonam Oja 87.6%	Sudama Prasad 86.4%	Diksha Bandhade 85.7%	Abhishek Vishw. 82.9%
Yogesh Kumar 82.7%	Keshav Jha 82.5%	S Swati Dora 82.5%	Nandini Patle 82.5%	Aryan Gupta 82.4%

GATE- 2024 EXAM QUALIFIED STUDENTS

Congratulations
GATE-2024 QUALIFIED STUDENTS
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
PRIDE OF CSE



Deepak Soni
AIR-544



Prashant Kashyap
AIR-8049



S Swati Dora
AIR -15879

#MediaUpdate

हरिभूमि

Bilaspur City
31.03.2024

चौकसे गुप ऑफ कॉलेज के 6 स्टूडेंट एक प्राध्यापक का गेट में चयन



एजुकेशन प्लस

बिलासपुर। चौकसे गुप ऑफ कॉलेज के अंतिम चयन पर इंजीनियरिंग कॉलेज के 6 छात्र तथा 1 प्राध्यापक का चयन गेट 2024 की परीक्षा में हुआ है। महाविद्यालय के प्रबंध निदेशक डा. आशीष जायसवाल ने बताया कि गेट (अधिष्ठापक) स्टाफक अधिकांश परीक्षा इंजीनियरिंग के क्षेत्र में सबसे अधिक परीक्षा है। इनमें चयन के माध्यम से छात्र तथा संस्थानों में एच टेक में प्रवेश ले सकते हैं। साथ ही गेट परीक्षा पास करने वाले उम्मीदवार अलग अलग पोलिस्यू को अंतिम प्रक्रिया में भी भाग ले सकते हैं।

डा. जायसवाल ने बताया कि महाविद्यालय के कंप्यूटर साइंस एंड इंजीनियरिंग से 3 छात्रों का चयन, शिक्षण विभाग के 2 छात्र तथा 1 प्राध्यापक का चयन एवं इलेक्ट्रॉनिक्स एंड टेली कम्युनिकेशन विभाग से 1 छात्र का चयन गेट 2024 की परीक्षा में हुआ है। उन्होंने बताया कि कंप्यूटर साइंस एंड इलेक्ट्रॉनिक्स एंड टेली कम्युनिकेशन विभाग से चले गए की 544 रैंक, प्रशांत कश्यप को 8049 रैंक तथा एस. स्वति डोरा को 15879 रैंक प्राप्त है। इसी तरह इलेक्ट्रॉनिक्स एंड टेली कम्युनिकेशन विभाग से चले गए की 6160 रैंक है। शिक्षण विभाग में चले गए की 7028 रैंक तथा कुलचयन इन्डिया की 17913 रैंक प्राप्त हुआ। वहीं शिक्षण विभाग के प्राध्यापक राहुल गुप्ता को 2749 रैंक प्राप्त है। महाविद्यालय के प्रबंध निदेशक डा. जायसवाल ने सभी चयनित छात्रों को शुभकामनाएं दी है। उन्होंने बताया कि महाविद्यालय में अल्पसंख्यक छात्र बड़ी संख्या में चयन कर रहे हैं।

QUALIFIED AFCAT EXAM 2024

Mr. Arun Pratap Singh
 Qualified
AFCAT EXAM 2024
 (Air Force Common Admission Test 2024)



STUDENTS QUALIFIED NCC 'B' CERTIFICATE EXAMINATION

Our students who have earned NCC B Examination Certificate which is a result of their extreme hard work and dedication towards being the best at what they do with all their heart and soul.



SONU SINGH



MALLIKA RANI TANDAN



AKANKSHA SINGH



MAYANK YADAV



RAHIL MARBLE



VISHAL KUMAR SAHU

STUDENTS QUALIFIED NSS 'B' &'C' CERTIFICATE EXAMINATION

NSS 'C' CERTIFICATION 2024:

SR. NO	STUDENT NAME	NSS CERTIFICATE	YEAR
1.	Anirudha Trivedi	NSS 'C' Certificate	2024
2.	Shrishti Kewat	NSS 'C' Certificate	2024
3.	Annapurna Chouhan	NSS 'C' Certificate	2024

NSS 'B' CERTIFICATION 2024:

SR. NO	STUDENT NAME	NSS CERTIFICATE	YEAR
1.	Avinash Dandey	NSS 'B' Certificate	2024
2.	Himanshu Sahu	NSS 'B' Certificate	2024
3.	Alok Roy	NSS 'B' Certificate	2024
4.	Anvesh Singh	NSS 'B' Certificate	2024
5.	Shubham Kesharwani	NSS 'B' Certificate	2024
6.	Ankit Kumar	NSS 'B' Certificate	2024
7.	Tarun Kumar Rathore	NSS 'B' Certificate	2024
8.	Shivam Kumar Yadav	NSS 'B' Certificate	2024
9.	Leena Patel	NSS 'B' Certificate	2024
10.	Muskan Thakur	NSS 'B' Certificate	2024
11.	Seemran Pathak	NSS 'B' Certificate	2024
12.	Aradhana Chouhan	NSS 'B' Certificate	2024

NSS CAMP

Annapurna Chauhan
attended national level
NSS Camp at GEC Raipur
NSS Camp
from 5-2-24 to 11-02-24.

चौकसे कॉलेज की छात्रा का राज्य स्तरीय शिविर में चयन

बिलासपुर। राष्ट्रीय सेवा योजना की राज्य
स्तरीय शिविर 5 फरवरी से 11 फरवरी तक
शासकीय अभियान्त्रिकी महाविद्यालय ,



रायपुर छत्तीसगढ़ में
आयोजित है। इस हेतु
चौकसे अभियांत्रिकी
महाविद्यालय
बिलासपुर छ.ग. से
रासेयो छात्र अन्नपूर्णा

चौहान , सीएसई अंतिम वर्ष के छात्रा का
चयन किया गया है। अन्नपूर्णा चौहान प्रारंभ
से ही राष्ट्रीय सेवा योजना की छात्रा रही हैं
तथा उन्होंने रासेयो में रहकर कई उल्लेखनीय
कार्य किए हैं। एवं पढ़ाई के साथ ही साथ
सामाजिक कार्य के प्रति सक्रियता एवं
इनकी प्रतिभा को देखते हुए इनका चयन
राज्य स्तरीय शिविर के लिए किया गया है।
इनके चयन पर कॉलेज के प्रबंध निदेशक
डॉ. आशीष जायसवाल ने इन्हे हार्दिक
शुभकामनाएं एवं बधाई दी। कॉलेज के
कार्यक्रम अधिकारी डॉ.बरूण कुमार यादव
एवं उषा जायसवाल ने अन्नपूर्णा के चयन
पर प्रसन्नता जाहिर की। एवं इनके उज्ज्वल
भविष्य की कामना प्रेषित की।

DEPARTMENT SWAYAM NPTEL CERTIFICATIONS

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR SHANU KUTTAN RAKESH
for successfully completing the course
Python for Data Science

with a consolidated score of **82** %

Online Assignments	25/25	Proctored Exam	57.4/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: 11953

Jan-Feb 2024
(4 week course)

Indian Institute of Technology Madras

swayam

Roll No: NPTEL24CS545544000102 To verify the certificate No. of credits recommended: 1 or 2

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
PRINCE THAKUR
for successfully completing the course
Programming in Java

with a consolidated score of **68** %

Online Assignments	23/25	Proctored Exam	45.41/75
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Total number of candidates certified in this course: 14693

Jan-Apr 2024
(12 week course)

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CS43S1065300203 To verify the certificate No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
B BHAVANI KUMAR
for successfully completing the course
Programming in Java

with a consolidated score of **76** %

Online Assignments	21.81/25	Proctored Exam	54.5/75
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Total number of candidates certified in this course: 14693

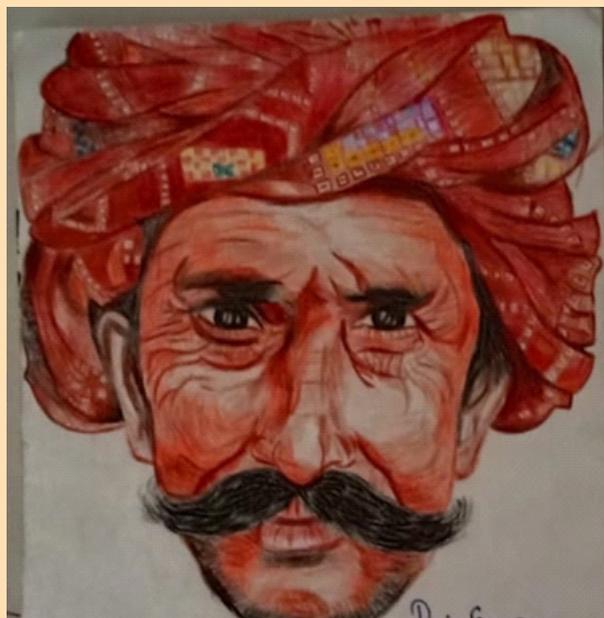
Jan-Apr 2024
(12 week course)

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CS43S952700019 To verify the certificate No. of credits recommended: 3 or 4

STUDENTS CORNER



ART WORK BY SHUBHAM KESHARWANI
(Student of B.Tech 6th semester CSE)

A beautiful piece of artwork by our beloved student, representing a lot of his aspects in one single picture. Beautiful picture presents his creativity, hard work, patience and imagination.

क्या अर्थ हुआ अभियानों का संघर्षों का बलिदानों का,
उस क्रोध ओजस्वी छाया का रण की खून से लथपथ
काया का,
था सभ्यता प्रेम जो पूर्वजों का संन शैतानि को लांच गया,
मुगलों गोरो से भी जीता था पर काले अंग्रेजों से हार गया,
मात-पिता की सेवा अब तो मैसेज से हो जाती है,
ईद-दीवाली की खुशियाँ इमोजी अब बताती हैं!

क्या ऐसी टूटी बइशाखी पर देश खड़ा हो पाएगा?
अंगूठे के घर्षण से क्या देश बड़ा हो पाएगा?

आवर्तन का विषम जाल निरुपाय बुद्धि चक्राती है,
विज्ञान यान पर चढ़ी हुई सभ्यता डूबने जाती है।

-शुभम केशरवानी

POETRY BY SHUBHAM KESHARWANI
(Student of B.Tech 6th semester CSE)

A Beautiful poetry written by our student giving us all a very important and deep message of how technology has indeed made our lives easier, but at the same time, it has created distances between us and our loved ones.