

THE QUARTERLY NEWSLETTER OF NIT RAIPUR



Volume 6- Issue III

Mirror

Reflecting the True Spirit of NIT Raipur



1st October 2023



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QUARTERLY GLIMPSSES

INDEPENDENCE DAY



ENGINEERS DAY



INDUCTION PROGRAMME



NEP PRESS CONFERENCE



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NIT serves as nodal institute for delegates at Akhil Bhartiya Shiksha Samagam-2023

एनआईटी स्टूडेंट्स के लिए आई-टॉक बताए आर्टिफिशियल इंटेलिजेंस के महत्व

NIT holds expert lecture on 'Let's design a better world'

■ Staff Reporter
RAIPUR, Sept 4



made by an architect by focusing on site planning, enveloping, services and systems design and management and

एनआईटी छात्रों ने व्यंग्यात्मक और मनोरंजक तरीके से दिए गंभीर संदेश अपनी भाषा की उपेक्षा की कीमत पर अपनाई इंग्लिश सहित विदेशी भाषाएं

एनआईटी में "हर घर ध्यान" का आयोजन सांस लेने की सही तकनीक से कम किया जा सकता है तनाव

एआईटी छात्रों ने जाना, गूगल की मदद से कैसे करें हिंदी टाइपिंग

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NIT Raipur welcomes new batches of B Tech, B Arch

अवसाद से उबारने एनआईटी ने बनाया सेल शारीरिक गतिविधियों संग संवाद पर जोर

NIT Raipur signs MoU with BSP

■ Staff Reporter

NIT organises day-long Research Facility Training Programme

NIT organises hands-on workshop on 'Obstacle avoiding robots'

विश्व उद्यमी दिवस : रविवार और एनआईटी में हुई विशेष कार्यशाला

स्कूल पहुंचा एनआईटी, छात्रों को बताया- क्या है स्टार्टअप

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NIT holds workshop 'Advanced Hands-On Training in Biomedical Signal Acquisition and Analysis'

NIT Raipur holds workshop on 'Intellectual Property Rights'

बीएसपी में प्रैक्टिकल करेंगे इंजीनियरिंग स्टूडेंट्स, बारीकियां सिखाने प्रयोग

एनआईटी के 5 बेस्ट रिसर्च स्कॉलर्स हुए सम्मानित, एबस्ट्रैक्ट बुक विमोचित

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NIT Raipur organises students' visit under Scientific Social Responsibility

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NIT Raipur organises guidance session on CAT exam

Celebrated 77th Independence Day



NIT Raipur celebrated the 77th Independence Day on 15th August 2023 by organizing a series of events. **Dr. N. V. Ramana Rao**, Director, NIT Raipur hoisted the national tricolour and began the proceedings, followed by the singing of the National Anthem by the attendees with patriotic fervour. **Team NCC**, NIT Raipur organized a Guard of Honour for the Director. **Dr. N. V. Ramana Rao**, Director, NIT Raipur explained independence is about the freedom to dream and achieve and shape the future of our nation, and highlighted the institute's achievements including the organization of **Har Ghar Dhyam Campaign**, acting as a Nodal Institute for **Yuva Sangam**; Memorandum of Understanding (MoUs) signed by the Institute; Number of Training Programs; Students and Alumni Achievements; Major Fests and Events organized; Institute progress at the Research Frontier; and the Accolades Received such as granting of patents and external research funding by various faculty members of the Institute. He concluded by saying that 'we shall together build a nation where every heart needs to beat the sounds of freedom'. A pledge ceremony *Meri Mati Mera Desh* was conducted to ventilate the spirit of nationalism. **Go Green - The Eco-social Committee of NIT Raipur** organized a plantation drive to help foster the mission of clean and green environment. **Sanskriti - The Cultural Committee of NIT Raipur** organized a cultural program at the Institute. **Team Nrityam - The Dance Club** and **Team Raaga - The Music Club of NIT Raipur** presented some captivating performances. A documentary depicting the events leading up to the historic day of independence was presented. The event concluded with

commemorating the efforts of our freedom fighters and feelings of nationalism and patriotism raised among the attendees.

Organized Induction Program for newly admitted B.Tech. and B.Arch. students

NIT Raipur organized an Induction Program on 13th Sep. 2023, at **Pandit Deendayal Upadhyay Auditorium**. The event aimed to welcome and introduce the newly admitted B. Tech. and B. Arch. students to the institute's culture, academic structure, and various clubs and committees. The event was graced by **Dr. N.V. Ramana Rao**, Director, NIT Raipur, **Dr. Shrish Verma**, Dean (Academics), **Dr. Shubhojit Ghosh**, Controller of Examinations, **Dr. Nitin Jain**, Dean (Student Welfare), **Dr. Shubhrata Gupta**, Chief Warden (Girls Hostel), **Dr. Ayush Khare**, Warden (Boys Hostel), and **Dr. Samir Bajpai**, Head, CDC. Prior to the inauguration, the **Entrepreneurship Cell (E-Cell)**, NIT Raipur orchestrated an enlightening session underscoring the significance of entrepreneurship. In addition, the **Team Technocracy**, NIT Raipur delivered a compelling presentation highlighting **Aavartan**, the annual tech-fest. **Dr. Sudhakar Pandey**, Professor In-Charge, Finance and Consulting Club and Regional Coordinator, **Unnat Bharat Abhiyan**, shared his insights and delved into the realms of finance, future markets, and stocks. He further encouraged students to actively engage in various campus clubs.



During the inauguration ceremony, **Dr. Shrish Verma** felicitated **Dr. N.V. Ramana Rao**, Director, NIT Raipur with a sapling, symbolizing growth, and development. **Dr. N. V. Ramana Rao**, Director, NIT Raipur congratulated the students on their admission to NIT Raipur. He emphasized hard work, innovative thinking, and meeting deadlines as essential elements for achieving the highest goal in life. He also provided an overview of NIT Raipur's history, including its establishment in 1956, growth, the current recruitment process for faculty members and staffs, and the development of various facilities. **Dr. Subhojit Ghosh** explained the examination process, grading system and the regulation of unfair means in examinations. **Dr. Nitin Jain** provided an

overview of NIT Raipur's history, the role of Dean (Student Welfare), academic amenities, clubs, anti-ragging measures, and scholarship opportunities. **Dr. Ayush Khare** shared information about the boys' hostels, their facilities. **Dr. Shubhrata Gupta** introduced the girls' hostels and provided glimpses of the facilities available. **Dr. Samir Bajpai** discussed the **Career Development Cell (CDC)** and its role in helping students plan their careers. He emphasized the importance of career planning, networking with alumni, conducting SWOT analysis, and developing both hard and soft skills. The event ended with a vote of thanks delivered by **Dr. Chetna Sharma Rajput**, Assistant Professor, DHSS.

Institute Welcomed Chairman of BoG on the Eve of National Engineers' Day



NIT Raipur welcomed **Dr. Suresh Haware**, Chairman, Board of Governors, NIT Raipur & Managing Director, Haware Engineers and Builders Pvt. Ltd. on 15th Sep. 2023, commemorating the celebrations of the **56th National Engineers' Day**. **Dr. N. V. Ramana Rao**, Director, NIT Raipur, **Dr. P. Y. Dhekne**, Registrar, Deans, Heads of Departments, and faculty members of the Institute were in attendance on this occasion. An interactive session of the Hon'ble Chairman with the involvement of **Dr. N. V. Ramana Rao**, Director, NIT Raipur, Registrar, Deans and Heads of Departments of the institute was organized. **Dr. N. V. Ramana Rao**, Director, NIT Raipur gave a brief description about the history, administration, various departments, developments in the existing & new campus, academic structure, research collaborations, signed Memorandums of Understanding (MoUs), student strengths and achievements, and labs and several other facilities of the institute. **Dr. S. Haware** urged the attendees to aim and achieve big and make an impact in the society. **Dr. N. V. Ramana Rao**, Director, NIT Raipur, **Mrs. Jyothi Rao**, w/o Dr. N. V. Ramana Rao, **Dr. P. Y. Dhekne**, **Mrs. Nalini Haware**, w/o Dr. S. Haware were presented a sapling upon the proceedings. **Dr. Mridu Sahu**, Assistant Professor, IT introduced the Hon'ble Chairman. **Dr. N. V. Ramana Rao**, Director, NIT Raipur gave an overview of the criticality of the contributions made by the Hon'ble Chairman. **Dr. S. Haware** expatiated upon his plans of the

upcoming infrastructural developments and how these changes would infuse considerable progress in the Institute. He enlightened upon some of the famous quotes given by **Shri Mokshagundam Visvesvaraya** and stated how a capacity of a person varies according to the level of challenges one accepts. **Dr. Shrish Verma**, Dean (Academics) delivered the vote of thanks. Subsequently, the members of Board of Governors were then taken to visit the various facilities of the Institute. The event concluded with a visit to the New Campus of the Institute scheduled.

Organized Flag-Off ceremony for Yuva Sangam Cross-Cultural Program



NIT Raipur organized a flag-off ceremony of Chhattisgarh delegates for **Yuva Sangam Cross-Cultural Program** on 27th Jul. 2023 under the **Ek Bharat Shreshtha Bharat program**. **Dr. N. V. Ramana Rao**, Director, NIT Raipur flagged-off the delegates for their upcoming journey. **Dr. Shrish Verma**, Dean (Academics), **Dr. P. Y. Dhekne**, Registrar, **Dr. Nitin Jain**, Dean (Student Welfare), **Dr. Samir Bajpai**, Head, CDC were the guests at the ceremony. The tour was coordinated by **Dr. D. C. Jhariya**, Associate Professor, DAG, and **Dr. Mridu Sahu**, Assistant Professor, IT. The ceremony was graced by the presence of faculty members and students. The Chhattisgarh delegates performed a cross-cultural folk dance with the Nagaland delegates during the two-day cross-cultural program at Pragati Maidan, New Delhi on 29th and 30th Jul. 2023.

NIT Raipur Served as Nodal Institute for Chhattisgarh Delegates

NIT Raipur served as the nodal institute for the delegates of Chhattisgarh who returned from Delhi on 2nd Aug. 2023. The delegates, representing the state of Chhattisgarh, had participated in the closing ceremony of the **Ek Bharat Shreshtha Bharat's (EBSB) Yuva Sangam program**, which was organized simultaneously with the **Akhil Bhartiya Shiksha Samagam 2023**, at the recently built **Bharat Mandapam, Pragati Maidan, New Delhi**. The program also marked the celebration of the three-year anniversary of the implementation of the **National Education Policy (NEP-2020)**. Hon'ble Prime Minister Narendra Modi stated that the (NEP-2020) of the 21st century will give a new direction to the country and we all shall play a significant part in laying the foundation for building the future of our country. The delegates got an opportunity to interact with **Hon'ble Shri Dharmendra Pradhan**, Minister of Education and Minister of Skill Development & Entrepreneurship, Government of India and **Dr. Subhas Sarkar**, All India Council for Technical

Education. During this visit, the delegates got special support from **Mr. Surendra Nayak**, *Yuva Sangam Consultant, Ministry of Education, Government of India*. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* was present at the program. **Dr. D. C. Jharia**, *Associate Professor, DAG*, and **Dr. Mridu Sahu**, *Assistant Professor, IT* were present as the Faculty Coordinators.



The EBSB Yuva Sangam program focused on organizing exposure tours for youth, mainly students studying in higher educational institutions and some off-campus youth from different states of India. The team of delegates from Chhattisgarh consisted of 10 talented students from various districts and higher education institutions of Chhattisgarh, who are serving in the **National Service Scheme** and **National Cadet Corps**, and adept in cultural activities like singing and dancing etc., and the Faculty Coordinators. Representatives from Chhattisgarh and Nagaland came together to perform cross-cultural Chhattisgarhi and Nagami folk dances, and during the event, discussions were held on curriculum development, teaching competitions, technology integration in education, vocational training, education policies, and other topics, concluding the event successfully.

Telecasted the Historic landing of Chandrayaan-3's Vikram Lander



NIT Raipur organized a live telecast of the successful landing of **Vikram**, the Lander Module of ISRO's **Chandrayaan 3** on 23rd Aug. 2023. The landing took place at the moon's south pole region at 6:04 PM IST, making India the first nation to achieve a soft landing on the south pole of the lunar surface.

The live telecast was attended by **Dr. (Mrs.) A.B. Soni**, *Professor, DCE*. **Dr. Nitin Jain**, *Dean (Students' Welfare)*, **Dr. Shrish Verma**, *Dean (Academics)*, multiple other faculty members and students. The event showcased the intricate findings and discoveries of the mission and its detailed landing sequence through visual aids and expert explanations. **S. Somnath**, *ISRO Chairman*, announced the news after which **Hon'ble PM Narendra Modi** lauded ISRO's team for their indomitable strength, determination, and conviction. The

Campus of NIT Raipur reverberated with joy and celebration, taking pride at the nation's achievement.

Organized a Press Conference marking three years of implementation of NEP 2020

NIT Raipur organized a press conference on 25th July 2023 upon completion of three years since the instigation of the **National Education Policy (NEP) 2020**. The event brought together prominent dignitaries and media personnel to discuss the vision of NEP 2020 and the initiatives undertaken to improve the education landscape in the country. The panel of speakers included **Dr. N. V. Ramana Rao**, *Director, NIT Raipur*; **Shri Vinod Kumar**, *Deputy Commissioner, Kendriya Vidyalaya Sangathan*; **Shri Rajnish Kumar Jha**, *Deputy Director, Regional Directorate of Skill Development & Entrepreneurship, Raipur*; **Professor Rajiv Prakash**, *Director, IIT Bhilai* and **Professor Kamal Jain**, *Officiating Director, IIM Raipur*.



Dr. N. V. Ramana Rao, *Director, NIT Raipur* emphasized the historic nature of NEP 2020. He stressed the importance of updating the curriculum and educational practices to produce a skilled and competent workforce to meet the country's evolving needs. He highlighted some of the remarkable initiatives implemented at NIT Raipur, aligning with the NEP's visionary goals. These initiatives included **introducing multiple exit and entry points during a course**, **encouraging transdisciplinary learning through open electives**, **establishing a credit bank system**, and **initiating a professors-of-practice program** where industry professionals contribute to teaching and mentorship. **Shri Vinod Kumar** spoke about the policy's intent to offer students choices and flexibility while nurturing their curiosity. He listed the initiatives undertaken at Kendriya Vidyalaya in line with NEP 2020. **Professor Rajiv Prakash** emphasized the role of NEP 2020 in shaping the education landscape for a brighter India. He shared the measures that IIT Bhilai has undertaken in alignment with the NEP. **Professor Kamal Jain** emphasized that the policy should be student-centric rather than teacher-centric and should focus on education that touches the heart. Initiatives undertaken at IIM Raipur were discussed by him. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* then summarized and invited questions from the reporters. The reporters raised questions, touching upon various aspects ranging from the implementation of schemes at the grassroots level to the challenges of imparting education in regional languages. The press conference concluded after each dignitary offered their closing remarks, reiterating their

commitment to furthering India's education system through the vision and initiatives of NEP 2020.

Set to Host the MSME Idea Hackathon 3.0

NIT Raipur is one of the Host Institute in the prestigious **MSME Idea Hackathon 3.0**, launched by the **Ministry of Micro, Small & Medium Enterprises (MSME)** on 27th Jun. 2023. This hackathon is specifically designed for Women Innovators and Women-owned MSMEs across India and aims at providing a platform to showcase their innovative ideas and solutions in various sectors. The eligibility criteria for participation included being a Woman Innovator or a Women-owned MSME. Financial assistance up to 15 lakhs will be given for selected projects. With a strong focus on innovation and entrepreneurship, NIT Raipur wishes to nurture talented women and create an ecosystem that fosters the growth of MSMEs in the country.

Telecasted the inauguration of Akhil Bhartiya Shiksha Samagam



NIT Raipur organized a live telecast of **Hon'ble PM Narendra Modi's** inauguration of the **2nd Akhil Bhartiya Shiksha Samagam** on 29th July 2023. **Dr. Nitin Jain**, *Dean (Student Welfare)* and **Dr. M. K. Prasad**, *Associate Dean (Student Welfare)* attended the event along with several faculty members and students.

The inaugural event of the Samagam was held at the **Bharat Mandapam** at *Pragati Maidan, New Delhi*. The Samagam was a two-day event which acted as a stage for academics, teachers, policymakers, and students to share insights, success stories, and best practices in implementing NEP 2020 and strategize its progress. **Hon'ble Shri Dharmendra Pradhan**, *Education Minister, Govt. of India*, took the stage and spoke about the features and vision of NEP 2020. **Hon'ble PM Modi** then disbursed the first instalment of funds for the PM SHRI Scheme and addressed the meeting. He highlighted the effectiveness of education in one's own language and remarked that India holds a key position in the future of software technology and cost-effective space technology. He concluded his remarks by inviting everyone's efforts in training and inspiring the youth for a better future of the country.

Organized Stakeholder Workshop for HVAC Systems



NIT Raipur organized a stakeholder workshop in collaboration with **IIT Delhi** on **High Filtration Efficiency Air Filters** on 1st Sep. 2023. Leading experts, researchers, and industry stakeholders convened at the **Stakeholder Workshop: Roadmap for Adopting Technologies and Policies for High Filtration Efficiency Air Filters for HVAC Systems in the Post-COVID-19 Scenario**. The event was initiated by **Dr. Amit Rawal**, *Principal Investigator & Professor, IIT Delhi* and **Dr. Anuj Kumar Shukla**, *Co-Principal Investigator & Professor, NIT Raipur*, and hosted at the Department of Textile and Fiber Engineering, IIT Delhi, delved into topics ranging from the impact of COVID-19 on the air filtration market to the potential of machine learning and artificial intelligence in HVAC systems. Delegates emphasized the need for sustainable, effective solutions, echoing a collective commitment to improving air quality and safety in centrally ventilated spaces

The research program was funded by the **Department of Scientific & Industrial Research (DSIR)**, *Government of India* and was attended by **Dr. Sujata Chaklanobis**, *Scientist, DSIR* and **Dr. Vandana Kalia**, *Scientist, DSIR*, **Mr. Rajendra Singh**, *Professor, IIT Delhi* and **Mr. R. Alagirusamy**, *Professor, IIT Delhi*, **Dr. Nagesh Babu**, *Scientist, CSIR*, **Mr. A Mukhopadhyay**, *Professor, NIT Jalandhar*, **Mr. Kamlesh Koul**, *General Manager - Engineering & Research, Elofic* and **Dr. Sumit Sharma** *Senior Engineer, Elofic*, **Mr. Diwakar Singh**, **Mr. Deepak Saluja**, *Executive Director*, and **Ms. Rashmi Nagabhushan**, *director, Thermadyne Pvt. Ltd.*, **Mr. Sumit Singh**, *Sales Manager, AAF*, **Mrs. Pooja Shukla**, *Senior Director, Innovation and Research, GBCI India* and **Mr. Arpan Saha** *Senior Manager in Technical Development, GBCI India*, **Mr. P.K Goel**, *Industry and Technical Advisor, Eurovent*, **Mr. Lejo Jose** and **Ms. Anshu Sethi** from **Kaiterra**, **Mr. Punit Gupta** and **Mr. Gaurav Sarin** from **Supreme Nonwovens**, **Dr. P.V. Kameswara Rao**, *Researcher, H&V*, **Dr. Amit Rawal**, *Professor, IIT Delhi* and **Mr. Siddharth Shukla**, *Research Scholar, IIT Delhi*, **Dr. A. K. Shukla**, *Assistant Professor, ME, NIT Raipur*. The workshop served as a platform for discussions on the future of air filtration technologies.

Concluded 2nd Research Scholars' Conclave

NIT Raipur concluded its **2nd Research Scholars Conclave** scheduled from 11th July to 13th July 2023. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* served as the Chief Patron of the event while **Dr. A. B. Soni**, *Director, (I/C), NIT Raipur* was

the Patron. **Dr. Prabhat Diwan**, *Dean (R&C)* was the Chairperson of the event. **Dr. P. Y. Dhekne**, *Registrar* and **Dr. Shrish Verma**, *Dean (Academics)* were the Distinguished Guests at the event. The organizing committee consisted of **Dr. Anamika Yadav**, *Associate Professor, EE*, **Dr. J. Anandkumar**, *Associate Professor, DCE*, **Dr. Awanish Kumar**, *Associate Professor, DBT* and **Dr. Tirath Prasad Sahu**, *Assistant Professor, IT*. The objective of the conclave was to offer a platform for scholars to present their research findings and foster an environment that encourages accelerated research and innovation in various sectors of R&D. The valedictory session was inaugurated by **Dr. T.P. Sahu**, who began by providing an overview of the two days event. He highlighted the notable achievements of the conclave. The institute's abstract book was officially opened by the dignitaries, signifying the culmination of extensive research and the sharing of knowledge among participants. **Dr. P. Y. Dhekne** stated the success of the last conclave motivated the faculty members to organize the 2nd Research Scholars Conclave. He emphasized the importance of presentation and stated that without it, research efforts may not receive the recognition they deserve. With a remarkable submission of 200 papers, **Dr. Dhekne** congratulated **Dr. P. Diwan**, along with the organizing team, for the success achieved in orchestrating the event. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* emphasized the significance of research in higher education and stated that the quality of an institution is directly linked to its research output. He advised researchers to make notes of spontaneous ideas and maintain organized documents when writing a thesis. **Dr. S. Verma** provided guidance to the scholars regarding the significance of the research conclave. He urged them to fully utilize this platform by emphasizing the importance of effective presentation skills and the willingness to challenge existing notions. **Dr. A. B. Soni** emphasized the significance of aligning the conclave with the New Education Policy (NEP) 2020, which emphasizes holistic development and interdisciplinary learning.



In Group 1, the award went to **Tanvir Haider**, *DAG*. In Group 2, **Ms. Divya Khosle**, *DCE* received recognition for her outstanding presentation. **Ms. Anjali Rajak**, *IT* stood out in Group 3 with her remarkable presentation. In Group 4, **Mr. Nilesh Jatta**, *EE* received the award for his impressive presentation. **Mr. Labhish Baid**, *DoP* was acknowledged with the best research award in Group 5. **Dr. P. Diwan** commended all the winners for their efforts and contributions in their respective disciplines. The event was concluded with a vote of thanks by **Dr. A. Yadav**.

Workshop on Intellectual Property Rights: Patents and Design Filing



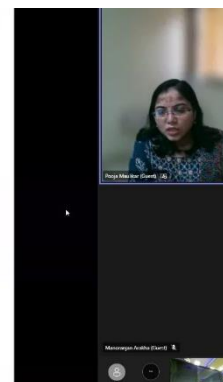
Recording live session
Let everyone know they're being recorded
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INTELLECTUAL PROPERTY RIGHTS (IPR) - PATENTS & DESIGNS PROCESS

Mrs Pooja Vishal Maulikar
Examiner of Patents and Designs
rgniipm.ipo@nic.in
www.ipindia.gov.in

1. Name of the institution / organization / company / institute / college / school / university / etc.



NIT Raipur collaborated with **Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM)**, Government of India, Nagpur and organized an online workshop on **Intellectual Property Rights: Patents and Design Filing** on 27th Jul. 2023 in accordance with the *National Intellectual Property Awareness Mission (NIPAM)*. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* was the Chief Patron and **Dr. P. Diwan**, *Dean (R&C)* was the Patron for the workshop. **Dr. Subhojit Ghosh**, *Professor In-charge, IPR Cell*, **Dr. Lata Upadhyay**, *HoD, DBT*, and **Dr. Awanish Kumar**, *Associate Professor, DBT* were the members of the organizing committee. **Dr. Chinmaya Mahapatra**, *Assistant Professor, DBT* was the coordinator and inaugurated the program. The objective of this workshop was to impart knowledge of Intellectual Property Rights. **Mrs. Pooja Vishal Maulikar**, *Resource Person & Examiner of Patents and Designs, RGNIIPM* addressed the workshop session of 184 participants. Various topics regarding intellectual property rights such as safeguarding of IP, patent types and specifications, documents and patent filing, online patent filing procedure, requirement for design patent, different types of intellectual properties and trademarks were discussed. It was followed by Q&A session regarding AI patenting and its role in patents. The workshop was concluded successfully with a valedictory session by **Dr. Lata Upadhyay**.

MoU

NIT Raipur and Bhilai Steel Plant



NIT Raipur and Bhilai Steel Plant (BSP), Bhilai have signed a **Memorandum of Understanding (MoU)** on 29th Jul. 2023 under the 2nd **Akhil Bhartiya Shiksha Samagam** initiative by the Government of India. **Dr. N. V. Ramana Rao**, *Director*,

NIT Raipur, Hon'ble Shri Dharmendra Pradhan, Minister of Education & Minister of Skill Development and Entrepreneurship, Government of India, Dr. Subhas Sarkar, Union Minister of State for Education, Government of India, and the officials of BSP were present at the signing of MoU. This collaboration between the institute and the industry will not only prove beneficial for the students by providing them exposure and practical knowledge, but also for the stakeholders of both the organizations. It shall pave the way for conducting various skill development programs, faculty development programs, industrial training and visits, training courses for students and faculty members, seminars & webinars on technical skills, programs on new emerging technologies, and joint & articulated degree programs. It will serve as a motivation for students, facilitate joint teaching, research, or cultural activity; and shall contribute to staff professional development, placement support and mobility of faculty members, scholars, and students between institutions. The MoU has successfully been signed and is set to provide quality education and experience to the youth of the nation, and succour in the progress, development, and betterment of the country.

Conducted Seminar on the Occasion of World Suicide Prevention Day



Department of Humanities and Social Sciences (DHSS), NIT Raipur organised a seminar on **Mental Health & Emotional Well-being of Students** on the occasion of **World Suicide Prevention Day** on 8th Sep. 2023. The focus of the seminar was to spread awareness among students about mental health, how to deal with stress, as well as other problems and techniques to overcome depression. **Dr. N. V. Ramana Rao**, Director, NIT Raipur was the chief guest of the event while **Dr. Samir Bajai**, Head, CDC presided as the special guest. **Dr. Anoop Kumar Tiwari**, HoD, DHSS, **Dr. S. Sanyal**, Professor, ME, students, and faculties were present during the event. **Dr. Heena Chawda**, Teaching Faculty, DHSS was the coordinator for the event. The event started with a detailed documentary on students' life and the common problems and challenges that they encounter. **Dr. Heena Chawda** described the whole documentary and acknowledged the institute's efforts to overcome depression among students. She expatiated on the activities done by the Humanities department to encourage Value Education, and how it is helpful to live a healthy life. **Dr. N. V. Ramana Rao**, Director, NIT Raipur gave a motivational speech and stressed that preventing

suicide is a collective effort, and that one must observe one's behaviour and give them proper guidance to live healthier and happier life by being confident and disciplined. **Dr. Heena Chawda** then gave a presentation on how Value Education helps to overcome depression and tackle psychological setbacks and asserted that our goal for healthy life can be accomplished only through disciplined lifestyle and building relations with each other is more important than just being occupied with physical activities. She introduced the institute's Value Education based counselling cell, where students share their problems and seek guidance and made everyone familiar with the emotional well-being groups where anyone with problems are supported emotionally. She even said that parents are the first support chain to a suffering child and thus, a child should first discuss his/her emotional issues with them.

Mr. Ankit Pogula, speaker for the session, shared his experiences of life and achievements, and gave a mindful lecture on the topic **Exploring Identity, Purpose for Happiness**. He asked the students about their goal for a good life and made it to a point that clarity of purpose and choices are essential for good life, and how social media is responsible nowadays for self-confidence conflicts. He also explained the 3 types of happiness i.e., **Sensory pleasure**, **Based on Harmony in feelings** and **Goal and Clarity-based**. The session concluded with Q&A session to clear the doubts of all the attendees.

Organized Har Ghar Dhyam Campaign



Department of Humanities and Social Sciences (DHSS), NIT Raipur organized the **Har Ghar Dhyam Campaign** with **Mr. Ashwini Kumar Jaggi**, Advanced Meditation Program teacher on 8th Aug. 2023. This campaign is an initiative by the **Ministry of Culture** and organized by **Art of Living** to increase awareness among the youth about the significance of meditation. **Dr. N. V. Ramana Rao**, Director, NIT Raipur was the Chief Guest for the event. **Dr. Manju Shukla**, Faculty, DHSS was the coordinator of the program. **Dr. Sadhana Agarwal**, HoD, DoP, **Dr. Jaya Dwivedi**, HoD, DHSS, **Dr. S. L. Sinha**, Professor, ME, **Mr. Suraj Nishad**, Teaching Assistant, DHSS, faculty members, students and Ph.D. scholars were present. **Mr. Ashwini Kumar** briefed how we are never fully concentrated in the present moment and our mind keeps vacillating between past and future which creates emotions of anger or anxiety and fear throughout the day. He also stated that the mind persists in what we want to resist, and we accumulate more negativity in our nervous system and

raised consciousness about these tendencies of mind. He enlightened the attendees about the multiple levels of our existence including physical body, breath, mind, intellect, memory, ego, consciousness, and how we can control our mind with the help of breathing techniques. The speaker guided everyone to some basic pranayama practices and meditation which helped the audience in relieving stress.

Dr. N. V. Ramana Rao, *Director, NIT Raipur* guided the current generation about the benefits of meditation, such as improving imagination and innovative abilities along with aiding in physical well-being. The event concluded with a Q&A round. After this session everyone got an e-certificate from the collaboration of **Art of Living & Ministry of culture**.

Interaction session with Padma Shri Dr. Kiran Seth



NIT Raipur conducted an interaction session with **Padma Shri Dr. Kiran Seth** on 21st Aug. 2023 promoting the **Society for the Promotion of Indian Classical Music and Culture Amongst Youth (SPIC MACAY)**. He shared Mahatma Gandhi's message of **Simple Living and High thinking**, and the importance of cycling.

Organised Yoga Camp



Department of Humanities and Social Sciences (DHSS), NIT Raipur along with faculty members of Yoga organized a Yoga Camp for the faculty members, staff, and their family

members. It was conducted in the Yoga Hall (**APJ Kalam Hall**) of **NIT Raipur** campus. This was an important initiative as Yoga reduces stress, provides energy, and helps in developing concentration. The program was conducted by **Dr. Laxmikant Yadu**, *Associate Professor, CE*.

Expert Lecture on Role of Engineers & Designers in Waste and Resource Management

NIT Raipur and **Institute of Engineers India (Raipur) Centre** organised an expert lecture on 11th Jul. 2023 at **Homi Jehangir Bhabha Hall NIT Raipur**. **Dr Purva Tavri**, *Chartered Waste & Resource Manager and Chartered Environmentalist* was the expert speaker. She delivered the lecture on the topic **Role of Engineers & Designers In Waste and Resource Management For Environmental Protection And Sustainable Development Through Circular Economy**. The Chief Guest of the function was **Dr. A. B. Soni**, *Director (I/C), NIT Raipur*. The Guest of Honor was **Dr. Samir Bajpai**, *Head, CDC, NIT Raipur*. **Dr. Vinay Pandey**, *Chairman, The Institution of Engineers (India)[IEI] CG State Centre, Raipur* presided over the function. **Shri S. N. Tavri** and **Shri Praksh Upadhyay**, *Honorary Secretary, IEI CG State Centre, Raipur* were present as Special Guests. The program was conducted by **Dr. Laxmikant Yadu**, *Associate Professor, CE*.

The program began with a welcome address by **Prof. (Dr.) Vinay Pandey**. **Prof. (Dr.) Samir Bajpai** gave emphasis on recycling the waste as best possible. **Dr. Govardhan Bhatt**, *Assistant Professor, CE* introduced the Keynote Speaker to attendees. **Dr. Purva Tavri** talked about the recycle and reuse practices of waste materials which are being used in the US, UK, and European countries. She explained recycle and reuse of waste and sustainable development, relating this with the circular economy, and how this can be adopted and implemented in India with Indian conditions.

The program concluded with a vote of thanks by **Shri Praksh Upadhyay**.



Academic Activities

STTP/Conference/Workshop Conducted

Workshop on the Way Toward Happiness Through Co-existential Living



Department of Mechanical Engineering in association with Department of Humanities & Social Sciences, NIT Raipur organized a valedictory and feedback session, on 4th Jul. 2023, successfully concluding the workshop themed **Way Toward Happiness Through Co-Existential Living**. **Dr. N. V. Ramana Rao**, Director, NIT Raipur presided as the Chief Guest. **Dr. Samir Bajpai**, Head, CDC was the Special Guest. **Dr. Shubhashis Sanyal**, HoD, ME and **Dr. Jaya Dwivedi**, HoD, DHSS had organized the session. **Dr. Heena Chawda**, Faculty, DHSS discoursed the conclusion of the workshop by detailing the attendees about the critical values imparted by the same. She briefed about all the topics covered, summarizing the key takeaways, addressing the agenda of the workshop and its accomplishment, and some important sutras for a happy & healthy life. She also gave an overview of all the activities done by the department. **Dr. N. V. Ramana Rao**, Director, NIT Raipur enlightened about criticality of value education and the impact of mental health and happiness on our work rate. He addressed about the stress of education and its distinct mention in the National Education Policy (2020). **Dr. S. Sanyal** concluded the session with the vote of thanks. **Dr. Kalinga Simant Bal**, Assistant Professor, ME, faculty members and staff were present in the session.

Valedictory Session of Training Program entitled 'Testing of Geomaterials for Geotechnical and Transportation Engineering Applications'



Department of Civil Engineering, NIT Raipur in association with Indian Geotechnical Society (IGS) Raipur Chapter had coordinated a two-week hands-on training program entitled **Testing of Geomaterials for Geotechnical and Transportation Engineering Applications**. A valedictory session was organized to conclude the training program on 7th Jul. 2023. **Dr. A. P. Singh**, Hon. Sec., IGS, New Delhi and Director, Explore Engineering Consultants Pvt. Ltd. New Delhi was the Chief Guest for the function. **Prof. (Dr.) Arun Goel**, Professor & Head, CE, NIT Kurukshetra was the

Guest of Honor. **Dr. N. V. Ramana Rao**, Director, NIT Raipur presided over the function with presence of **Dr. G. D. Ramtekkar**, HoD, CE, **Dr. Samir Bajpai**, Chairman, IGS Raipur Chapter and **Dr. R. K. Tripathi**, Chairman (Elect), IGS Raipur Chapter.

The session began with **Dr. S. Bajpai** welcoming all the dignitaries and participants. **Dr. L. K. Yadu**, Program Coordinator presented the report of the two weeks hands-on training program giving an overview of the program and mentioned that a total of 27 participants had attended which included field engineers, faculty members from engineering and polytechnic colleges, technical and laboratory staff of engineering colleges & field laboratories, PhD scholars, M. Tech Scholars, and B. Tech students. **Dr. G. D. Ramtekkar** urged participants to practically apply the knowledge they had gained from the training program. Foundation Day of **Indian Geotechnical society (IGS) Raipur Chapter** was also celebrated during the function and new office bearers of **IGS Raipur Chapter** also took the charge for the next term 2023-2025. **Dr. R. K. Tripathi** took the charge of Chairman, **Dr. R. N. Khare** as Vice Chairman, **Dr. L. K. Yadu** as Honorary Secretary, **Dr. Tarun Rajak** as Organizing Secretary, **Er. Arun T. Bhawe** as Joint Secretary, and **Dr. Sandeep Chouksey** as Treasurer took charge of **IGS Raipur chapter**. **Dr. R. K. Tripathi** mentioned how the **IGS Raipur chapter** is doing well for spreading the importance of geotechnical investigation to society, and it should be continued in the future also. Certificates were distributed by the Chief Guest **Dr. A. P. Singh**, **Dr. N. V. Ramana Rao**, Director, NIT Raipur, and **Prof. Arun Goel** to the participants. **Mr. Anil** and **Mr. Atul** mentioned that they learnt basic and advanced tests of soil and their importance in the field. **Prof. Arun Goel** stated that such a type of training program should be organized frequently so that laboratory staff may be updated academically because of the vital role they play during the laboratory classes in B. Tech and M. Tech courses. **Dr. N.V. Ramana Rao**, Director, NIT Raipur emphasized the need to bridge the gap between theory & practical. **Dr. A.P. Singh** talked about the working and administration of society and requested all the participants to become members of IGS so that they can be directly involved in the different activities of the IGS body. The program concluded with a vote of thanks by **Dr. Sandeep Chouksey**.

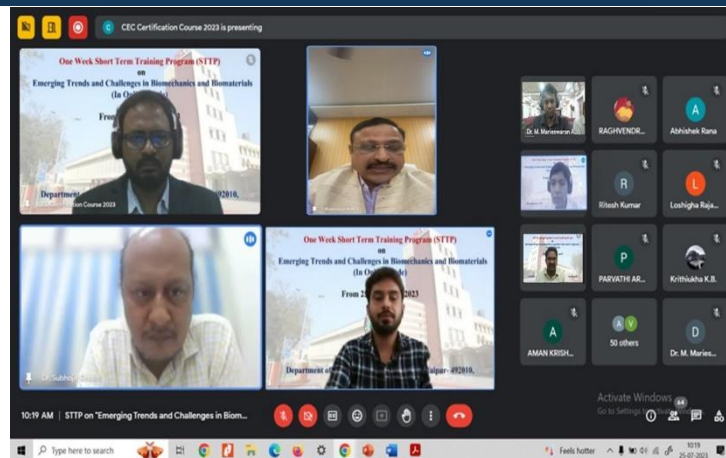
Training Program on 'Testing of Cement and Concrete for Building and Road Applications'



Department of Civil Engineering, NIT Raipur organized a one-week hands-on training program on **Testing of Cement and Concrete for Building and Road Applications** from 24th to 28th Jul. 2023. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* was the Chief Patron of the program along with **Dr. Prabhat Diwan**, *Dean (R&C)* as Patron and **Dr. G. D. Ramtekkar**, *Professor, CE* as Co-Patron. The inaugural ceremony as well as the event was coordinated by **Dr. Shirish V. Deo**, *HoD, CE* and **Dr. Meena Murmu**, *Assistant Professor, CE* along with **Dr. Sunny Deol G.**, *Assistant Professor, CE* as the Co-coordinator. The program was co-sponsored by **UltraTech Cement** and **Aditya Birla Group**. It aimed to provide practical training in the laboratory and field tests used in the fields of Civil Engineering, Concrete Technology, and Highway Engineering.

Dr. Prabhat Diwan was the Chief Guest and **Dr. G. D. Ramtekkar** was the Guest of Honour of the inaugural. **Dr. S. V. Deo** briefed about the significance of the program, gave an overview of the topics that would be covered, and the knowledge the participants would gain over the course of the week-long program. **Dr. G. D. Ramtekkar** enlightened the attendees about the wastage of concrete due to the carelessness of the user and briefed about the simplicity of the process of concrete making. **Dr. P. Diwan** congratulated the Civil Engineering department for organizing a pertinent training program. He explained the viability of the topic, how it was relevant even in the field of geology and introduced some vital tests to the attendees. **Dr. Sunny Deol G.** delivered the vote of thanks. Faculty members, Ph.D. scholars and numerous professionals of the field were in attendance. A valedictory ceremony of the week-long program was organized on 28th Jul. 2023. It was graced by the Chief Guest, **Dr. R. K. Tripathi**, *Dean (Planning & Development)* along with Special Guest, **Dr. Shailendra Kumar**, *Professor, CE, GGU Bilaspur*, and **Dr. G. D. Ramtekkar** was the Guest of Honour. **Dr. Shirish V. Deo** summarized the Training program. In his speech, he talked about the primary objective of the training program which was to enhance the participants' knowledge and skills in concrete making. One of the participants, **Ishita Sarkar**, highlighted the significance of the training program in honing her ability to differentiate between high-quality concrete and substandard concrete. Another participant, **Shashank Tiwari**, emphasized that the training program provided him with a profound understanding of the real value of concrete in construction endeavours. In his speech, **Dr. Shailendra Kumar**, expressed his gratitude to the organizers and colleagues for the 5-day training program. He emphasized the importance of concrete and how even small improvements can make a significant impact. The program concluded with the distribution of certificates, expressing acknowledgment for the participants' dedication. **Dr. Meena Murmu** gave the vote of thanks and extended gratitude to the esteemed guests, trainers, and organizers for their valuable contributions.

STTP on Emerging Trends and Challenges in Biomechanics and Biomaterials



Department of Biomedical Engineering, NIT Raipur organized a **Short-Term Training Program (STTP)** entitled **Emerging Trends and Challenges in Biomechanics and Biomaterials** in virtual mode from 25th to 30th July 2023. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* was the Chief Patron. The program had **Dr. Prabhat Diwan**, *Dean (R & C)* and **Dr. Subhojit Ghosh**, *Professor In-charge, Continuing Education Cell* as Patrons, and **Dr. Bikesh Kumar Singh**, *HoD, BME* as Chairperson. **Dr. Nishant Kumar Singh**, *Assistant Professor, BME* and **Dr. M. Marieswaran**, *Assistant Professor, BME* were the Program Coordinators. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* emphasized the potential of biomedical engineering, especially in medical research after the COVID pandemic. He briefed about the training program and its benefits to society. **Dr. B. K. Singh** introduced 18 speakers who gave their lectures in this STTP. **Dr. N. K. Singh** explained how the program brought together leading experts, researchers, entrepreneurs, and doctors from the field of biomechanics and biomaterials. **Dr. S. Ghosh** encouraged the idea of conducting this training program annually and in physical mode so that the participants can gain hands-on experience. This program aimed to explore the cutting-edge advancements in the **synthesis, surface modification, processing, treatment, characterization and tribological aspects of Biomaterials**, and highlighted the advancements in the field of Biomechanics with the objective of imparting knowledge and providing training to the participants. Experts from various organizations delivered lectures during the program. It included the **accurate simulation of physiological phenomena occurring in the human musculoskeletal, cardiovascular, and dental systems using advanced computational tools**. Several vital and relevant topics like **Bio Tribology, Biopolymers, Biocorrosion, Dental Biomechanics, Solid Modelling and FEA, and Sports Biomechanics** were covered in this program. **Hands-on sessions & demonstrations on Reverse Engineering: 3D Modelling and Optimization, Assembling and FEA of Implants, Additive Manufacturing-FDM 3D Printing, and Material Characterizations using Universal Testing Machine** were conducted. Upon the conclusion of the program, the participants were able to develop the skills necessary to synthesize and characterize biomaterials, design, and develop 3D models, and perform computational analyses for biomechanical and fluidic behavior of implants and scaffolds. This STTP was targeted for undergraduates,

postgraduates, Ph.D. students, young faculty members/researchers from academia and industry.

The valedictory ceremony of the program was graced by the presence of **Professor Swarnlata Saraf**, *Director, Institute of Pharmacy, Ravishankar University, Raipur* as the Chief Guest. **Dr. J. Anand Kumar**, *Associate Dean* and **Dr. S. Ghosh** honoured the event with their presence.

Workshop on Advanced Hands-on Training on Biomedical Signal Acquisition & Analysis



Department of Biomedical Engineering, NIT Raipur organized a Science & Engineering Research Board (SERB) Sponsored High-End workshop entitled **Advanced Hands-On Training on Biomedical Signal Acquisition and Analysis**, under the **Karyashala Scheme** from 1st to 7th Aug. 2023. The focus of the workshop was on the recent advances in artificial intelligence and machine learning tools, as well as their applications in the field of healthcare. Renowned experts from various IITs, AIIMs, IIITs, NITs and Abroad came to deliver lectures during the program. The workshop was targeted for the postgraduates and Ph.D. students for exploring their research stream. The session began with an inaugural ceremony on 1st Aug. 2023. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* was the Chief Patron with **Dr. Prabhat Diwan**, *Dean (Research & Consultancy)* as Patron. **Dr. M. Sabarimalai Manikandan**, *Associate Professor, EE, IIT Palakkad* was the Chief Guest. **Dr. Bikesh Kumar Singh**, *HoD, BME* was the program coordinator for the ceremony. **Dr. P. Y. Dhekne**, *Registrar* was also present at the inaugural. The program began with the lamp lighting by the dignitaries. **Dr. B. K. Singh** delivered the welcome address and briefed about the training program. All the dignitaries were welcomed with a sapling by the faculty members. The Chief Guest, **Dr. M. S. Manikandan** explained about reproducible research, the importance of databases in the field and the significance of writing research articles as evidence of the findings. **Dr. P. Diwan** congratulated the biomedical department for organizing the training program and inviting eminent speakers to address over the week-long event. **Dr. P. Y. Dhekne** emphasized the need for practical knowledge that the participants gained in the training program. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* enlightened the attendees about the role of biomedical engineers in sustaining quality human life. **Dr. Neelam Shobha Nirala**, *Assistant Professor,*

BME concluded the inaugural successfully by delivering the vote of thanks.

A valedictory session was conducted to conclude the workshop on 7th Aug. 2023. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* was the Chief Patron. **Dr. Prabhat Diwan** was the Patron, and present as the Chief Guest at the valedictory session. **Dr. Ayush Khare**, *Associate Dean (Faculty Welfare)* was present as the Special Guest at the valedictorial. **Dr. Bikesh K. Singh** summarized the week-long program and expressed his gratitude to the director, deans, guest speakers, faculty members & staff of the department along with the organizing committee for successful organization of the high-end workshop. **Dr. P. Diwan** addressed the gathering and briefed the participants about the significance of hands-on exposure and practice to the attendees. **Dr. Bikesh K. Singh** announced the five best performers in the quiz which was conducted every day after the lectures & lab sessions. Certificates were distributed among the participants and winners were rewarded with gifts by **Dr. P. Diwan**, **Dr. A. Khare**, **Dr. Bikesh K. Singh**, **Dr. Nishant Singh**, *Assistant Professor, BME* and **Dr. Arindam Bit**, *Assistant Professor, BME* for successfully completing the workshop.

Interaction with a veteran from NTNU Norway

Department of Civil Engineering, NIT Raipur organized an interaction session with **Prof. Vikas Thakur**, *Vice-Dean (Sustainability), Faculty of Engineering, Norwegian University of Science and Technology (NTNU), Norway* on 3rd Aug. 2023. He is also an alumnus of (Civil/2001), NIT Raipur. **Prof. V. Thakur** conferred with **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* with a healthy discussion on areas of possible research and academic collaboration between the institutes. He also engaged in a meeting with **Dr. Shirish V. Deo**, *HoD, Civil Engineering*, and the faculty members of the department. He was welcomed with a sapling by **Dr. Samir Bajpai**, *Head, Career Development Centre*.

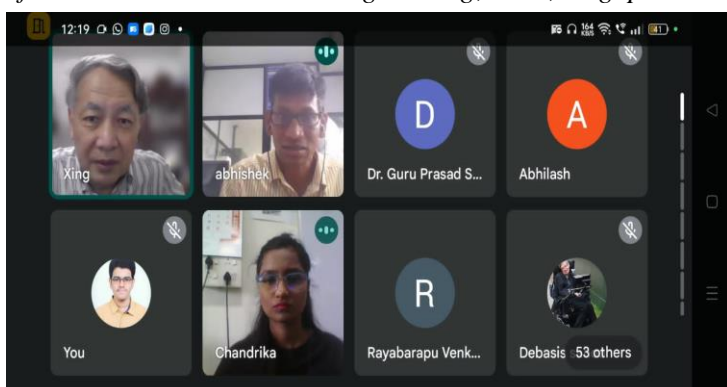


The agenda of the meeting was to cover several research-specific topics like *Waste Management, Use of Geomatics, Zero Carbon Road Construction, Geotechnical Engineering, and Sustainability in Civil Engineering*, etc. The outcome of the meeting was that better research output can only be expected if research is done in groups consisting of specialists of several related field work, who shall have expertise in their domain and bring something unique to the table. The meeting

concluded successfully with **Dr. L. K. Yadu**, *Meeting Coordinator* delivering the vote of thanks.

Lecture on Compacting Models: The Art of Compact Modelling

Department of ECE in association with **IEEE Electron Devices Society (EDS) Student Branch Chapter (SBC)** organised a lecture talk on **Compacting Models: The Art of Compact Modelling** on 12th Aug. 2023. The session was organised under the guidance of **Dr. Guru Prasad Subas Chandra Mishra**, *Faculty Advisor*, and **Mr. Abhishek Ray**, *Chapter Chair, IEEE EDS SBC, NIT Raipur*. The speaker for the session was **Dr. Xing Zhou**, *Associate Professor, School of Electrical & Electronics Engineering, NTU, Singapore*.



Dr. Xing's lecture explored the diverse facets of Compact Modelling for Semiconductor devices. His discourse centred around the unification of Compact Models with unified regional modelling. Some of the key concepts covered during the talk were *Chip Design & Water Fabrication, Model & Modelling, Ideal V/S Real MOSFET, Compact Modelling for Circuit Simulation, MOSFET Compact Models: History & Future, Challenges in MOSFET Modelling*, etc. **Dr. Zhou** ignited enthusiasm for Semiconductor Device Modelling Research, intriguing the scientific temper of participants including the undergraduates, post-graduates, and research scholars from the country. He emphasized joining research-oriented societies for exposure to scientific developments and suggested organising conferences and research seminars for building foundation in research-based carriers. The session concluded with Q&A session and vote of thanks by **Dr. Guru Prasad**.

Expert Lecture themed 'Let's Design a Better World'

Department of Architecture (DoA), NIT Raipur in collaboration with the **Association of Students of Architecture, Raipur** organized an expert lecture on **Let's design a Better World** on 4th Sep. 2023. **Dr. Tarush Chandra**, *Professor, DoA & Planning, MNIT Jaipur* and **Mr. Debabrata Pal**, *Architect & Head, Design & Architecture, DIAL Indira Gandhi International (IGI) Airport Phase 3 A Development, Larsen & Toubro* were the Guest Speakers of

the event. The expert lecture was organized under the supervision of **Dr. Abir Bandyopadhyay**, *HoD, DoA*. **Dr. Swasti Sthapak**, *Associate Professor, DoA* along with faculty members of the department and students were present. The session began with **Dr. A. Bandyopadhyay** introducing the speakers to the attendees. **Dr. Tarush Chandra** began his address by depicting few shots from the developing world and how it was upscaling. He shared the predictions of the year 2050 and how the progress in population would affect the world of planning and architecture. He demonstrated the rate of urbanization in Asia and Africa and life in slums and discoursed the need for urbanization and how India's future is in its cities, and their development as cities could generate up to 70% of net new jobs by 2030, elaborating how the challenges in designing a quality life can be addressed by digitization of our resources, utilizing digital economy, using alternative and efficient means of public transport, promoting compact urban form, investing in smart infrastructure, etc. He emphasized the significance of the four R's (Reuse, Reduce, Recycle & Refuse), and innovation & incubation in leading a quality life and concluded by portraying various images presenting the contributions that can be made by an architect by focusing on Site Planning, Enveloping, Services & Systems design and Management and Material selection.



Mr. Debabrata Pal briefed about his professional journey in his lecture and explained about the various projects he had undertaken over the course of his professional career. He defined the scope of work that an architect has to perform in designing an infrastructure by describing the dimensions & critical features and scrutinized the characteristics of some of his major ongoing projects such as the **DIAL Phase 3 A Development at IGI Airport**. He entailed the attendees to focus on and contemplate the urgency of sustainable development goal and elucidated the responsibility and contribution of an architect with a real-life example from one of his projects. He concluded by stressing on the principle of **Less Is More** in making architecture. His approach and implementation of the projects gave the attendees invaluable guidance for their own upcoming journey. The lecture series concluded by a vote of thanks delivered by **Dr. Shruti Sharad Nagdeve**, *Assistant Professor, DoA*.

Research Frontier

Awards, Recognition, and Fellowship

- **Dr. S. L. Sinha**, Professor, ME received the acceptance of a book chapter titled **Artificial Intelligence for Biomedical Application Associated with the Fluid-Material Dynamics** for the upcoming book **Intelligent Computing Techniques in Biomedical Imaging Methods, Case Studies, and Application** to be published by Elsevier.
- **Dr. Govardhan Bhatt**, Assistant Professor, CE has been nominated as a **Member of the Expert Committee** constituted in the **Authority of Earthquake** by the **Bihar State Disaster Management Authority** on 8th Sep. 2023,
- **Dr. Govardhan Bhatt**, Assistant Professor, CE has been awarded the **Excellent Engineer Honor** by the **Joint Engineer Organizing Committee, Raipur, Chattisgarh** during the **Engineers' Day Celebration** on 15th Sep. 2023.

PhD Thesis Defended

- **Ms. Sakshi Sharma** defended her Ph.D. thesis entitled *Synthesis and Electro-Optical Studies of ZnO/Graphene-based Nanocomposites* on 2nd Jun. 2023 under the supervision of **Dr. A. K. Shrivastava**, Professor, DoP and **Dr. Anjali Oudhia**, Professor, Govt. Nagarjuna PG College of Science.
- **Mr. Ghanshyam Singh** defended his Ph.D. thesis entitled *Development of Energy Efficient Cross-Layered Optimized Model for Wireless Sensor Networks* on 26th Jun. 2023 under the supervision of **Dr. Ajay Singh Raghuvanshi**, Associate Professor, ECE.
- **Ms. Prasanta Kumar Jena** defended her Ph.D. thesis entitled *Security Enhancement of Electricity Market Operation in Smart Grid Against Cyberattacks* on 28th Jun. 2023 under the supervision of **Dr. Subhojit Ghosh**, Associate Professor, EE and **Dr. Ebha Koley**, Associate Professor, EE.
- **Mr. Mohit Kumar** defended his Ph.D. thesis entitled *Synthesis of Metallic Nanoparticles using Novel Bacterial Strain and their Separation by Clay based Ceramic Membrane* on 10th Jul. 2023 under the supervision of **Dr. D. Vasanth**, Assistant Professor, DBT.
- **Mr. Indrajeet Sahu** defended his Ph.D. thesis entitled *Assessment of Groundwater Vulnerability Using GIS Based Model* on 14th Jul. 2023 under the supervision of **Dr. A. D. Prasad**, Assistant Professor, CE, and **Dr. Ishtiyahq Ahmad**, Assistant Professor, CE.
- **Ms. Nilanjana Ghosh** defended her Ph.D. thesis entitled *Caged Birds: An Exploration Of Transgender Lives*

Through Selected Indian Autobiographies on 14th Jul. 2023 under the supervision of **Dr. Jaya Dwivedi**, Associate Professor, DHSS.

- **Ms. Pragya Nandan Banjare** defended her Ph.D. thesis entitled *Studies on Friction Stir Welding of Dissimilar Aluminum and Copper Alloys* on 19th Jul. 2023 under the supervision of **Dr. Manoranjan Kumar Manoj**, Assistant Professor, MME.
- **Mr. Gogineni Venkata Jagadeesh** defended his Ph.D. thesis entitled *Ball Burnishing of Magnesium Ze41A Alloy for Enhancing Surface Integrity and Functional Performance* on 24th Jul. 2023 under the supervision of **Dr. G. Srinivasu**, Assistant Professor, ME.
- **Mr. Borra N. Dhanunjaya Rao** defended his Ph.D. thesis entitled *Synthesis and Characterization of Nano Reinforced Photopolymer Composites by Stereolithography* on 25th Jul. 2023 under the supervision of **Dr. N. V. Swamy Naidu**, Associate Professor, ME.
- **Ms. Kushangi Atrey** defended her Ph.D. thesis entitled *Computer Aided Detection of Breast Lesions: A Study on Different Imaging Modalities* on 28th Jul. 2023 under the supervision of **Dr. B. K. Singh**, Associate Professor, BME and **Dr. Narendra Kuber Bodhey**, Professor, AIIMS Raipur.
- **Mr. Pothuri Surendra Varma** defended his Ph.D. thesis entitled *Machine Learning based Techniques to Optimize Indoor Localization in IoT Applications* on 26th Aug. 2023 under the supervision of **Dr. Veena Anand**, Assistant Professor, CSE.

Club/Committee Activities

Nukkad Natak by Abhinay



Abhinay- The Dramatics Club, NIT Raipur performed a **Nukkad Natak** themed **Creating Hope through Action** on 13th Sep. 2023, on the occasion of **World Suicide Prevention Day** under the **National Health Programme**. The play was

staged under the guidance of **Dr. Govardhan Bhat**, Faculty In-Charge, Abhinay and **Ms. Leena Gauraha**, Sparsh Clinic.

Aura by Click Club



Click Club - The Photography Club, NIT Raipur organized an exclusive photography exhibition called **Aura** from 22nd to 24th Aug. 2023 under the guidance of **Dr. S. Sanyal, Professor In-Charge, Click Club**. The inauguration ceremony took place in the presence of Chief Guest, **Dr. (Mrs.) A.B. Soni, Professor, DCE, Dr. Shrish Verma, Dean (Academics)** as the Special Guest, and **Dr. S. Sanyal** along with several faculty members and students, also graced the occasion. The exhibition displayed a rich assortment of photographs, curated by the team members and various genres were explored. The dignitaries had the chance to explore the exhibition closely, engaging with the photographers and appreciating the artistic vision behind each image. This workshop aimed to help people learn more about photography, discover new techniques, and boost their creativity. The three-day exhibition paved the way for a photography workshop, scheduled from 26th to 27th Aug. 2023. A feedback board was set up to encourage visitors to share their impressions and suggestions about the exhibition.

Entrepreneurship Cell Activities

World Entrepreneurship Day Celebration



Entrepreneurship Cell (E-Cell), NIT Raipur in association with the **National Institute of Technology Raipur Foundation for Innovation and Entrepreneurship (NITRRFIE)** organized students' events in observance of the **World Entrepreneurs Day** from 21st to 26th Aug. 2023. The events were organized with the help of **Career Development Centre (CDC), NIT Raipur**, under the guidance of **Dr. Samir Bajpai, Head, CDC**, and **Dr. Chandrakant Thakur, Faculty In-Charge, E-Cell**. Events like Design Thinking Workshop, Alumni i-talk and Interbranch quiz, etc. were conducted.

On 21st Aug., a speaker session titled *Is Entrepreneurship for everyone?* was held, featuring **Mr. Taranbir Sahni** and **Mr. Parminder Sahni, Co-founders, VsnapU**, a photographer aggregator platform featured on Shark Tank India. The speakers shared their journey of starting up and discussed how entrepreneurship affects one's career path and life. The event concluded with an interactive Q&A session. The mementos of appreciation were presented to the speakers by Overall Coordinators of E-Cell. The same day, E-Cell also visited **Bharat Mata Senior Secondary School** as a mentor under the **Atal Tinkering Labs (ATL)** initiative of the Government of India. Sessions on advanced topics like *3D Design and Printing, Computational thinking* and *Artificial Intelligence* were held in the school. E-Cell had previously visited **Krishna Public School, Raipur** and **Delhi Public School, Raipur** under the ATL mission. On 23rd Aug., E-cell hosted an event

on the central theme of *Entrepreneurship and Space Exploration* contemplating the relationship between innovation and space. It featured poster making, essay writing, and slogan creation. On 24th Aug., a speaker session titled *Grow Your Startup in Digital Space* was organized, featuring **Mr. Adarsh Mishra, Leading Food Blogger, Youtuber & Founder (The Digital School Raipur)**. He shared his life journey, journey about starting the **Atharva Services**, an advertising company and also **The Digital School**, and highlighted the role of the internet and government policies on entrepreneurship. The event concluded with a Q&A session where **Mr. Mishra** discussed the worth of a digital marketing course, how to stand out in the field, and practical advice about public relations. A memento of appreciation was presented to **Mr. A. Mishra** by the Overall Coordinator of E-Cell.

On 25th Aug., a debate competition focusing on two topics, *Entrepreneurship or Job – What should engineers opt for?* and *The Indian system is good for startups* was held.

Speaker Session on Entrepreneurship Development



E-Cell, NIT Raipur organized a speaker session on **Entrepreneurship Development** in collaboration with **Swavalambi Bharat Abhiyan** and **Think India NITRR** on 9th Sep. 2023 under the guidance of **Dr. Chandrakant Thakur, Professor In-charge, E-Cell**. **Dr. N.V. Ramana Rao, Director, NIT Raipur**, was the Chief Guest. **Dr. Anand P. Joshi, Board of Director, V Y Hospital**, was the Guest of Honor, and **Dr. Samir Bajpai, Head, CDC** was the special guest of the event. It also featured **Mr. Sanjeev Parashar, Professor, IIM Raipur**, as the keynote speaker. **Dr. Anuj Kumar Shukla, CEO, NITRRFIE**, and **Ms. Suman Mutha, State Women Coordinator, Swavalambi Bharat Abhiyan** were also present. The event began with the lamp lighting ceremony by guests. Following this, **Mr. Shivam Goel, Member, Think India NITRR**, provided an insightful overview of Think India and highlighted Think India's collaborations with Indian Railways and ISRO. He introduced Think India's internship program, **Shuruat** designed to support startups. **Ms. Suman Mutha** discussed the **Swavalambi Bharat Abhiyan**, an initiative focused on promoting start-ups, entrepreneurship, and job awareness. **Dr. Anuj Shukla, CEO, NITRRFIE**, discussed about entrepreneurship, emphasized the importance of aligning with the **Startup India Mission** and encouraged the audience to shift towards being job providers rather than job seekers. **Mr. Sanjeev Parashar** eloquently highlighted India's standing in the global economy and entrepreneurship landscape and urged students to embark on entrepreneurial journeys. **Mr. Anand** highlighted the role of life experiences in shaping us and encouraged learning from failures and the significance of community, friendships, and

continuous self-improvement through travel. **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* congratulated E-Cell and outlined key traits for entrepreneurs: problem-solving, decision-making, and communication skills. He mentioned basic business skills, the NEP 2020, and cited examples like Bill Gates. He emphasized the significance of surpassing deadlines, not merely meeting them. The event concluded with presenting mementos to the guests.

Innovation Cell Activities

i-Talk on How to Build an Analytical Mindset for Problem Solving



Innovation Cell (I-Cell), NIT Raipur in association with **Alumni Association, GEC-NIT Raipur** organized an i-Talk discursing **How to build an analytical mindset for problem solving?** on 28th Aug. 2023. **Mr. Ajit Deshpande**, *Chief Executive Officer, rises.io & Alumnus (1994/MCA)* was the Keynote Speaker. **Dr. A. B. Soni**, *Professor, DCE, NIT Raipur*, **Dr. Shrish Verma**, *Dean (Academics)* and **Dr. Samir Bajpai**, *Head, CDC* were present as the Distinguished Guests. The session was organized under the adept guidance and leadership of **Dr. Saurabh Gupta**, *Professor In-charge, I-Cell*. **Mr. Ajit Deshpande** began his keynote address by expatiating how Artificial Intelligence can be used for diagnosing chronic diseases and urged the students to collaborate amongst themselves irrespective of their branches, to promote cross-domain working that would further enhance the knowledge base of students and provide them with invaluable exposure to address real-life scenarios. This was followed by a Q&A session.

Mr. Deepak Jain, *Treasurer, Alumni Association, GEC-NIT Raipur* announced the organization of more such joint events. Numerous faculty members and students were in attendance. A series of events in virtual mode were organised by the I-cell over the course of the preceding week. An **Interbranch Quiz Competition** concerning questions about start-up ventures and daily life tech usage was conducted from 22nd to 24th Aug. 2023 with prizes worth ₹5k distributed. This was followed by a seminar on **Entrepreneurship as an alternative career choice** and **How to approach and master AI, first step towards AI innovation** on 25th Aug. 2023 with **Mr. Aditya Agrawal**, *Founder, Superu.ai & Alumnus (Mech), NIT Raipur* and **Mr. Dhruv Singh**, *Founder, Samajh.ai* as the Guest Speakers. A Design Thinking workshop was also coordinated on 28th Aug. 2023 with **Ms. Disha Kaushal**, *Design Consultant* as the Guest Speaker. The events witnessed enthusiastic participation from the attendees and concluded successfully.

i-Talk with Silicon Valley Startup Guru



The Innovation Cell, NIT Raipur conducted a highly insightful I-talk themed **The Startup Ecosystem in Silicon Valley and Career Trajectories Post-NIT** with **Mr. Archit Ojha** (*BME/2016*) on 12th Sep. 2023.

Seed Grant Scheme 2023

Innovation Cell (I-Cell), NIT Raipur conducted **Seed Grant 2023** to fund the innovations proposed by the students at the institute and propel them to the prototype stage. A sum of Rs. 2,00,000/- will be granted to the selected 8 teams. Each team had to have a minimum of 2 members and a maximum of 4 with member serving the role of team leader.

Idea	Idea Domain	Student Team members' names (Leader First)	Seed Grant Amount
HeartBeatsAI: Automating Heart Sound Diagnosis	Healthtech	Aashutosh Patel, Vivek Kumar	Rs. 25,000/-
Climate Mitra	Agritech, drone	Nikhil Gupta, Payal Agrawal, Mukesh Kumar Dey	Rs. 25,000/-
Fire Squall	Consumer tech, Safety alarm	Ayan Paliwal, Wise Khan, Soumya Upadhyay, Hashiba Aman	Rs. 25,000/-
Air Dribble	Artificial intelligence	Chahat Biswas, Shreyansh	Rs. 25,000/-
Automatic Irrigation using IoT	Agritech, drone	Sathvik S, Utkarsh Meshram, S Kushal Kumar	Rs. 25,000/-
Smart weeding robot	Agritech	Chandrika Geddada, Aditya Ray, Pratham Gandhi,	Rs. 25,000/-

		Chanchal Thakur	
Movement Detector Program	Tech	Nomesh Patel, Anadi Agrawal, Aniket Kumar	Rs. 25,000/-
Text Summarizer	Tech	Srishti Soni, Harsh Kilaji	Rs. 25,000/-

Engineers' Day Quiz by Interact



Interact- The Quiz Club, NIT Raipur, organised a quiz contest on 15th Sep. 2023, in celebration of the **Engineers' Day**. The event was overseen by **Dr. Ayush Khare, Faculty In-charge, Interact Club**, and attracted substantial attendance from students and quizzers. The quiz was composed of two rounds. **Prajwal Kambale, 3rd Sem., IT** and **Lucky Sanodiya, 3rd Sem., IT**, stood as the winning team, while **Aditya Gilhare, 3rd Sem., ME**, and **Rishabh Jain, 3rd Sem., DBT**, bagged the 2nd spot. **Dr. Khare** awarded prizes to the winners and the event concluded with a photo session involving the winners and coordinators of the quiz.

Motosports Club Activities

Workshop on Analytical Software Tools

Motosports Club, NIT Raipur conducted an insightful workshop on Software tools used for designing on 27th May 2023. This workshop was designed to give attendees a comprehensive overview of key software tools like **AutoCAD, SolidWorks, CATIA, MATLAB, ANSYS**, etc., that will be helpful throughout their engineering careers.

The importance of software tools in the industry and how they influence contemporary engineering processes was emphasized and an introduction of software that is widely used in the Mechanical Engineering industry was given. The session covered the main characteristics, uses, and functions of these tools. The workshop offered insights into how proficiency in these software tools can open doors to exciting job opportunities and research avenues in the Mechanical Engineering domain. Towards the end, an interactive Q&A Session was also held.

Induction Program with Workshop

Motosports Club, NIT Raipur organized an Induction program with workshop on 26th Jun. 2023 under the guidance of **Dr. Shailesh Vaidya, Faculty In-Charge, Motosports**.



The workshop's main objective was to inform the newly admitted students at the institute about the club's mission and the profound importance of competing in **eBaja** by **SAEINDIA** and **Formula Bharat** for their professional growth and all-around personality improvement. **Jyotirmoy Ghosh, BPCL**, **Gyanendra Sinha, Dassault Systèmes**, **Ajinkya Sathe, CK Birla** and **Deepisha Chakraborty, TVS** shared their experiences and the role of Motosports, how their participation in such competitions had positively influenced their career trajectories. The workshop's inclusivity was one of its standout characteristics. All college branches' students were welcome to participate. Attendees had the chance to ask questions and get more information during a lively Q&A session.

Seminar on insights into the world of Motorsports



Motosports Club, NIT Raipur conducted a seminar at **Guru Ghasidas Vishwavidyalaya, Bilaspur** on 24th and 25th Jul. 2023 with the goal of giving students and racing aficionados unique insights into the exciting world of motorsports in India. It was conducted under the guidance of **Dr. Shailesh Vaidya, Faculty In-Charge, Motosports**. The event's main focus was on taking part in prominent racing competitions like **eBAJA** by **SAE (Society of Automotive Engineers)**, as well as a thorough examination of the process of making the vehicles utilized in these events and the financing aspects associated with such endeavours. The club members shared their experiences and insights into vehicle design, prototype

development, and the rigorous testing procedures required to meet the competition standards. The club shed light on the various sources of funding available, including college support, sponsorships, crowdfunding, etc.

3rd Partition Horrors Remembrance Day by NSS

Team NSS, NIT Raipur organized a series of events in observance of the **3rd Partition Horrors Remembrance Day** on 13th and 14th Aug. 2023. The program aimed to remember the brutalities and tragedies that unfolded during the partition of India in 1947. The events were coordinated by **Dr. Govardhan Bhatt, Professor In-charge, NSS**.



On Day one, a Poster-making competition was held in which students showed their creativity using colors portraying the situation during the partition of India in 1947. On Day 2, Poster exhibition program was organized. **Dr. N. V. Ramana Rao, Director, NIT Raipur**, **Dr. Nitin Jain, Dean (Student Welfare)**, **Dr. Govardhan Bhatt, Professor In-charge, Team NSS**, **Dr. P. Y. Dhekne, Registrar**, **Dr. S. L. Sinha, Professor, ME** were present. The Guest of Honour of the event was **Mr. Mayank Gurjar, IPS, Chhattisgarh Police**. Team NSS briefed about the impact and terrors of the Partition on the country of India by illustrating a PPT presentation to the attendees. The event concluded with showcasing posters and articles depicting the critical situation of the Partition Horrors Remembrance Day.

Rajbhasha Samiti Activities

Karyashala Workshop on 'Hindi' Language

Rajbhasha Samiti, NIT Raipur organized a Karyashala workshop on **Hindi** language on 18th Aug. 2023. **Shri Bhoopendra Pandey, Senior Translation Officer, Head Office, Commissioner, Central Goods & Service Tax** was the Chief Guest of the workshop. **Dr. (Mrs.) A.B. Soni, Professor, DCE**, graced the event with her presence. The workshop was conducted under the able guidance of **Dr. S. M. Saini, Professor In-charge, Rajbhasha Samiti**. **Dr. A. B. Soni** welcomed everyone and congratulated Rajbhasha Samiti for successful organization of the workshop. She explained the significance of the language Hindi and the genesis of the Rajbhasha Samiti. **Dr. S. M. Saini** addressed everyone by

briefing about the history of the Samiti. **Shri B. Pandey** introduced Unicode to the attendees and discoursed some of its applications such as that in Google Translate and the field of Artificial Intelligence like ChatGPT. The workshop hence concluded successfully with the collection of feedback from the attendees.



Aahwaan'23

Rajbhasha Samiti, NIT Raipur organized **Aahwaan'23**, a series of events on the occasion of **Hindi Pakhwada** from 7th to 14th Sep. 2023. The events were organized under the guidance of **Dr. Sapan Mohan Saini, Professor In-charge, Rajbhasha Samiti**.



Nukkad Natak was organized on 7th Sep. 2023 with the aim of emphasizing the significance of Hindi language. The act consisted of four scenes portraying the importance of the Hindi language and it managed to convey a serious message. The first scene depicted how the citizens were forgetting their own culture and would even go as far as to mock it after having moved elsewhere. The second scene illustrated how in the process of learning and adapting new languages and traditions, we have started forgetting the very culture and the essence of our own society. The third scene sketched and reminisced the day of the Parliamentary discussions of the year 1949, wherein, the likes of **Dr. B. R. Ambedkar, Mr. Krishna Murli Rao, Dr. Shyama Prasad Mukharji, P.T. Chacko &** members of the assembly were deciding upon the national language of our country. The scene four consisted two instances which picturised how we have begun to embrace foreign languages at the cost of neglecting our own mother-tongue. The first instance drafted how the admission

procedure of a meritorious student was restricted just because he wasn't fluent in English, while the second instance rendered an incident consisting of exchange of words between **Shri Swami Vivekananda** and an American citizen. The incident had **Swami Vivekananda Ji** replying to the citizen in his mother tongue when the citizen spoke in his mother tongue outlining respect for the Hindi language. The act concluded with energizing performances from the students of Rajbhasha Samiti and was witnessed by numerous attendees.

On 11th Sep. 2023 different competitions for the students like **Kavita Vachan** (Poem Recitation), **Tatkalik Bhashan** (Impromptu speech) on topics such as **G20, Importance of Hindi, Student life**, etc., were conducted to showcase their language skills. On 13th Sep. 2023, **Chakravyu** which consisted of two events **Khajane ki Khoj** (Treasure Hunt) and **Andha Mod** (Blindfold) was organized for the enjoyment of the participants. On 14th Sep. 2023, competitions for the faculty members were held such as **Kavita Lekhan** (Poem Writing) and **Shabdkosh** (categoric word formation with the given letters) to improve their command over the Hindi Language. The event concluded successfully managing to raise consciousness of the Hindi language among the participants.

Workshop on 'Obstacle avoiding Robots' by ROBOTiX



ROBOTiX Club, NIT Raipur conducted a daylong workshop themed **Obstacle Avoiding Robots** on 9th Sep. 2023 under the guidance of **Dr. Rajesh Doriya, Faculty In-Charge, ROBOTiX Club**. The event consisted of building a robot which autonomously navigates its environment, changing its path dynamically when confronted with obstacles, and saw the participation of over 60 teams with three members each.

The workshop started off with a technical presentation about the components used and their inter-connections. Each team were then provided with the component kit. Coordinators from the ROBOTiX Club assisted each team with the assembly of the robot, troubleshooting any issues that popped up. This hands-on approach allowed students to grasp the mechanics and electronics of the robot with a deeper understanding. The

workshop concluded successfully following a review of each team's build. The students got to keep the robot and also have the opportunity to modify and enhance them, with the top two teams receiving rewards.

Guidance session on CAT Exam by Sahyog

Sahyog- The Mentorship Club, NIT Raipur hosted **QUAD-1**, an informative speaker session on the CAT exam followed by a mock aptitude test on 11th Sep. 2023, under the supervision of **Dr. Ravi K Jade, Faculty In-charge, Sahyog**.



The speakers of the session included **Mr. Abhishek Gupta, Founder, AB Classes & Alumnus (ECE/2009)**, and **Ms. Shreya Chandrakar, IIM Calcutta graduate**. They discussed and clarified various details pertaining to the entrance test. Comprehensive preparation tips for CAT were also talked through. The evening ended with a Mock Aptitude Test, enabling students to gauge their performance in relation to their peers. QUAD-1 was the first of a series of sessions aiming to guide students through various competitive and entrance tests. Upcoming iterations will cover GATE (Graduate Aptitude Test in Engineering) and GMAT (Graduate Management Admission Test). Ten of the top performers in the test were awarded scholarships from AB Classes.

National Sports Day Celebration by Shaurya



Shaurya- The Sports Committee, NIT Raipur celebrated **National Sports Day** by organising a series of sports activities on 27th Aug. 2023, under the guidance of **Dr. Harendra Kr. Narang, Faculty In-Charge, Shaurya**. The Sports events were organised in two phases. In the early morning phase, marathons of both students and faculties, respectively were organised. Following this, students and faculties participated in major sports events like Volleyball, Cricket and Football. Phase-2 started with sports activities like Tug-Of-War, Table Tennis, Chess, etc. 'Tug-Of-War' saw the maximum participation among the students. Chess competition was also organised between the students and faculties, strengthening their bonds. The celebration was concluded with the

Felicitation Ceremony on 29th August 2023. It was conducted under the guidance of **Dr. H. Kr. Narang**, **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* was the Chief Guest of the ceremony. **Dr. Nitin Jain**, *Dean (Student Welfare)*, **Dr. H. K. Narang**, **Dr. Govardhan Bhatt**, *Assistant Professor, CE*, **Dr. R. K. Tripathi**, *Dean (Planning & Development)*, **Dr. P. Y. Dhekne**, *Registrar, NIT Raipur* were present during the event. **Dr. Nitin Jain** flagged off the ceremony by handing over a sapling to **Dr. N. V. Ramana Rao**, *Director, NIT Raipur* as a token of respect. **Dr. H. K. Narang** handed over the sapling to **Dr. P. Y. Dhekne**, *Registrar, NIT Raipur*, and **Dr. G. Bhatt** handed over the sapling to **Dr. R. K. Tripathi**. **Faheem** and **Roshan Tiwari**, *Overall Coordinators, Shaurya* handed over the saplings to **Dr. Nitin Jain** and **Dr. H. K. Narang**, respectively. The ceremonial lamp lighting was taken over by **Dr. N. V. Ramana Rao**, **Dr. P. Y. Dhekne**, **Dr. Nitin Jain**, and **Dr. R. K. Tripathi**. A PPT presentation describing the achievements of **Shaurya**, glimpses of **SAMAR'22**, and highlights of the **National Sports Day** was shown. In the prize distribution ceremony of faculties, **Dr. G. D. Ramtekkar**, *Professor, CE*, **Dr. Pavan Kumar Mishra**, *Assistant Professor, IT*, and **Dr. Manoj Pradhan**, *Professor, DME* were felicitated with the 1st, 2nd and 3rd positions, respectively in the Marathon. In Table Tennis, **Dr. S. Pramanik**, *Assistant Professor, DoA*, **Dr. Dharm Pal**, *Associate Professor, DCE* got felicitated, and **Dr. V. K. Singh**, *Technical Assistant in Chess*. Later on, **Dr. N. V. Ramana Rao**, *Director, NIT*

Raipur took the pledge for instilling the spirit of sports and physical fitness among the attendees. The winning teams and students of various categories were also felicitated with rewards and medals. Towards the end, **Raaga- The Music Club, NIT Raipur** and **Nrityam- The Dance Club, NIT Raipur** presented captivating performances. The event was pulled-off successfully through the sincere efforts of the entire team.

School pupils' visit to NIT Raipur by Technocracy



Technocracy- The Technical Committee of NIT Raipur supervised the visit of a group of students from **Perna Vidyalaya** to **NIT Raipur** on 15th Sep. 2023. The students were guided to different departments and laboratories of the college, which helped them instil a great fascination for engineering and its various aspects.

Contribution to the Institution

Donations

NIT Raipur expresses sincere gratitude towards **Shri Amitava Sur (Mech/1970)** who has made a generous donation to the Institute.

Appeal

Ever since its establishment in 1956, the institute has been serving and maintaining steady progress to achieve a unique feat in the highly competitive area of engineering and technology. To focus on cutting-edge multidisciplinary and frontier areas of engineering and technology as well as innovation-based research, a strong and continuous financial support from alumni, faculty members, students and all well-wishers is the need of the hour. All the stakeholders of the Institute have a major role in building a corpus fund to support various teaching and research infrastructures, and other allied facilities for the welfare of students. **NIT Raipur** appeals to all alumni, faculty members, students, and well-wishers for their contribution to the **NIT Raipur Donation Fund**. **The financial donation is exempted under section 80G (5) (vi) of the Income Tax, 1961 Vide IT Order Number ITBA/EXM/S/80G/2019-20/1015830613(1) dated 29/04/2019.**

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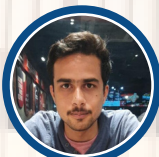


Dr. V. K. Vidyarthi
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Mr. T. Bhawar
(Office Coordinator, PMRC)

STUDENTS



Aditya Kumar Dubey
(EE, 7th Sem.)



Neha Gaikwad
(IT, 7th Sem.)



Pragati Agrawal
(EE, 7th Sem.)



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(BME, 5th Sem.)



Amarram Madhu M.
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(Chem, 5th Sem.)



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(ME, 3rd Sem.)



Anurag Yadu
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