

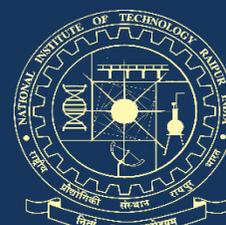


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NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

Mirror

Reflecting the True Spirit of NIT Raipur.



1st January 2023

Director's Message for the New Year 2023



Dear NIT Raipur family and well-wishers,

I would like to extend my warmest wishes for the year 2023. I hope that the New Year will be fulfilling, joyous, and constructive for all of us! I take pride in mentioning that the year 2022 was a very productive for NIT Raipur and the entire Institute fraternity made collective efforts in achieving its goals. The year was filled with many achievements and landmarks. NIT Raipur secured the 65th rank in Engineering Category in the National Institutional Ranking Framework (NIRF) 2022 showing continuous improvement in the NIRF score for the fifth year consecutively in comparison to the score of 37.38 in 2018, 39.09 in 2019, 41.58 in 2020, 44.83 in 2021, and now 45.71 in 2022. NIT Raipur was recognized as the 'District Green Champion' of Raipur district for the academic year 2021-22 by Mahatma Gandhi National Council of Rural Education, Ministry of Education for successfully elevating the Swachhta Action Plan. The Institute was felicitated with 'Shiksha Samman' by Dainik Bhaskar newspaper for its contribution during the COVID-19 pandemic. On the World Blood Donor Day, NIT Raipur was also felicitated by the Indian Red Cross Society, Chhattisgarh State Branch for recurrently conducting voluntary blood donation camps. To further strengthen our infrastructure, the

newly constructed G+6 storey Satpura Apartment and Vindhyachal Apartment in the institute campus with 24 nos. of residential flats in each apartment were inaugurated. Thereafter, the newly constructed Multipurpose Hall named Dr. A. P. J. Abdul Kalam Hall with enough space for 100 people to perform Yoga, was also inaugurated. In 2022, NIT Raipur also completed the recruitment of faculty for various positions, thus adding to the rich human resource.

Under the Institute Lecture Series initiative, monthly online lectures were organized by various departments on current technical topics by National and International Eminent Personalities for students and faculty of the Institute. After the initiative of organizing brainstorming sessions on different chapters of National Education Policy 2020 (NEP 2020), a one-day workshop was organized to conclude the modalities and finalize the Strategic Implementation Plan document for NEP 2020. In this Strategic Implementation Plan, various actionable points have been identified and documented as short term, medium term and long-term actions. A Taskforce has also been constituted for speedy and smooth implementation of NEP 2020 in the Institute. Most importantly, in order to meet the various requirements of all the stakeholders, the Institute has framed the Vision-2030 document. Considering the classical past, the glorious track record of the current progress, and Vision-2030 to guide us, we are confident that NIT Raipur will emerge as a leading technical Institute in the country. We surely will establish global recognition in the area of high-quality human and knowledge resources. Like previous years, several national and international conferences were organized and several MoUs were also executed in 2022 with Institutions and Industries to further enrich our ties and research collaborations. I must point out here that the Institute has shown remarkable growth in 2022, in terms of student placement, sponsored research projects awarded, the number of research papers published in high-impact factor journals, PhDs awarded, innovation, and Research and Development. Our students, alumni, faculty, and staff continued to bring many laurels to the Institute. I take this opportunity to congratulate them for bringing laurels to the Institute and hope that this trend improves further in the years to come.

To achieve this dream, in 2023 we should focus on innovation, research, teamwork, discipline, integrity, equity, and excellence. I believe that the entire Institute fraternity has a great role to play in it. So, with great optimism, I expect that the faculty, staff, students, and stakeholders will continue to strive hard for achieving our common vision. Your support and cooperation matter a lot.

Once again, I would like to wish all of you a very happy new year! Thank you very much.

Celebration of 18th Foundation Day



NIT Raipur celebrated its **18th Foundation Day** on 1st Dec. 2022. **Mr. Hemant Verma**, *Chairperson, Chhattisgarh State Electricity Regulatory Commission* was the Chief Guest.

Dr. P. Y. Dhekne, *Dean (Student & Faculty Welfare)* welcomed the attendees and talked about the progress of the Institute since its inception to NIT Raipur in 2005. He also emphasised how the classes were engaged in online mode during COVID, so that the students did not suffer and lose any academic orientation. Further, **Dr. (Mrs.) A. B. Soni**, *Director (I/C), NIT Raipur* talked about how the Institute is maintaining a steady momentum of growth in all aspects following the **Vision 2030** and the implementation of **NEP 2020** and motivating the students with virtues and their all-around developments.

While addressing the gathering **Mr. Hemant Verma**, *the Chief Guest* shared his experience of being a student of **NIT Raipur** and highlighted the great presence of the Institute and unique historical progress. He also talked about how the Institute has played a crucial role in enhancing the skills and imparting technical knowledge to students, which led them to top positions across the globe. His speech was followed by the Awards Ceremony.

The **Best Department Award** was conferred to the **Department of Applied Geology**. **Dr. N. D. Londhe**, *Associate Professor and HoD, EE* felicitated with the **Best Faculty Award**. The **Best Researcher Award** was accorded to **Dr. G. P. Gupta**, *Assistant Professor, IT*. The **Young Achiever Alumnus Award** was awarded to **Mr. Abhinav Dewangan** and the **Distinguished Alumnus Award** was awarded to **Dr. G. R. Sinha**.

The celebration ended with a vote of thanks by **Dr. S. Verma**, *Dean (Academics)*. **Dr. A. Khan**, *Registrar*, **Dr. P. Diwan**, *Dean (Research & Consultancy)*, and **Dr. R. K. Tripathi**, *Dean (Planning & Development)* and other distinguished Professors were also present during the entire event.

New Members Nominated for Board of Governors

NIT Raipur heartily welcomes **Mrs. Anita Verma**, *Former Director, Central Electricity Authority (CEA), Government of India*, and **Dr. Sanjay Kumar Sanghai**, *Additional Director, Directorate of Technical Education (DTE), Chhattisgarh* as **Members of the Board of Governors, NIT Raipur**, nominated by the **Government of Chhattisgarh**.

NIT Raipur Conducts Orientation Program of Batch 2022-2026

NIT Raipur conducted orientation and induction program for welcoming the newly admitted students of batch 2022-26 from 22nd to 24th Nov. 2022. **Dr. (Mrs.) A. B. Soni**, *Director (I/C), NIT Raipur* commenced the program by welcoming all the first-year students and describing all the facilities and infrastructure that are available for the students. The main objective of the induction programme was to provide the students an overview on various academic and extra-curricular activities that have already scheduled in the current semester. **Dr. P. Y. Dhekne**, *Dean (Student & Faculty Welfare)* briefed about various activities of the Institute including the activity of the clubs, committees, various facilities, and scholarships, etc. **Dr. S. Verma**, *Dean (Academics)* primarily elucidated the academic programs, scheme, syllabus, and B. Tech. ordinances of the Institute.

Dr. M. K. Chopkar, *Head, Training & Placement Office* threw light upon the role of the Career Development Centre and Placements programs of the Institute.



He advised the students to embark on a professional career, which can help them to achieve their goals. **Mr. A. Indwar**, *Assistant Registrar* inducted a brief introduction about scholarships that are available for the students. **Dr. S. Agrawal**, *HoD, DoP*, and **Dr. N. K. Jain**, *Associate Professor, ME* were also present during the event. The various introductory sessions, lab visits, departmental visits, faculty interactions, etc. were also organized during the entire program.

Organized 'Unity Run'



NIT Raipur organized **Unity Run** on 31st Oct. 2022 to celebrate **Unity Day**. **Dr. (Mrs.) A. B. Soni, Director (I/C), NIT Raipur** was the chief guest of the event. **Dr. P. Y. Dhekne, Dean (Student & Faculty Welfare), Dr. S. Bajpai, Head, Career and Development Centre (CDC)**, all Deans, HoDs and faculty members from all the departments were also present during the event. The event was conducted under the guidance of **Dr. R. Doriya, Assistant Professor, IT**.

The event commenced with a speech delivered by **Dr. P. Y. Dhekne**. He emphasized on the significance of unity in a country. A mesmerizing patriotic song was then performed by the members of **Raaga - The Music Club, NIT Raipur**. After that, an informative presentation on the importance of Unity Week was given by **Aditya Tiwari, Student Head Coordinator, Public & Media Relations Cell (PMRC), NIT Raipur**.

At last, **Dr. (Mrs.) A. B. Soni, Director (I/C), NIT Raipur** took over the stage for the integrity pledge and all the attendees vowed the pledge, which was followed by the National Anthem being sung by all. The event was concluded with a unity run in the campus in which all the deans, professors and faculty members enthusiastically participated along with all the students of NCC. A friendly cricket match was also played between professors and students on 30th Oct. 2022 as a part of Unity Week.

Observed Vigilance Awareness Week



NIT Raipur observed the **Vigilance Awareness Week** from 31st Oct. to 6th Nov. 2022 in the memory of Sardar Vallabhbhai Patel with the aim of spreading awareness on the theme of *Corruption free India for a developed nation*. **Dr. (Mrs.) A. B. Soni, Director (I/C), NIT Raipur** was the Chief Guest and **Dr. S. Sthapak, Chief Vigilance Officer, NIT Raipur** was the Chairperson of the event. **Dr. A. Khan, Registrar, Deans, HoDs, faculties and staff members** from all departments also graced the event with their presence. In the inaugural pledge-ceremony, **Dr. S. Sthapak** briefly introduced the importance of observing vigilance awareness week, which was taken up to raise the public awareness about preventing the corruption. In this regard, all the attendees were administered the integrity pledge by **Dr. (Mrs.) A. B. Soni, Director(I/C), NIT Raipur**.

Abhinay - The Dramatics Club presented a Nukkad Natak on 4th Nov. 2022 entitled *Baat Pyaar Se Bhi to Ki Jaa Sakti Hai*, conducted under the supervision of **Dr. G. Bhatt, Faculty In-charge, Abhinay**.

Dr. P. Y. Dhekne, Dean, (Student & Faculty Welfare) was the Chief Guest of the closing ceremony of vigilance awareness week, which was organised on 5th Nov. 2022, he elaborated on the fight against corruption and making people aware about the same. **Dr. A. K. Tiwari, Associate Professor, DHSS, Mr. S. K. Sahu, Assistant Professor, DoA and Mr. V. Agnihotri, Assistant Professor, DoA**, were also present.

For the Essay Writing Competition, which was held on 1st Nov. 2022, **Prashant Shukla, Ph.D. Scholar, IT, Aditya Tiwari, 7th sem, MME**, and **Devendra Kumar Singh, 5th sem, MME** won the 1st, 2nd, and 3rd prizes respectively in the student category, whereas **Dr. A. Khare, Associate Professor, DoP, Mr. S. Kotwani, Project Assistant, UBA and Mr. D. Sagar, Staff, IT** won the 1st, 2nd and 3rd prize in the faculty category respectively. For the debate competition that was held on 2nd Nov., 2022 the 1st, 2nd, and 3rd prizes were earned by **Vanshika Gupta, 5th sem, MME, Lakhana Sharma, 5th sem, MME, and Bhumika Dewangan, 3rd sem, MME** respectively. The poster design competition which was held on 3rd Nov., 2022 was won by **Isha Khobragade, Azhaan M. Baig and Ritwik Halder** as the 1st, 2nd and 3rd winners respectively.

Organized Mahila Pakhwada



NIT Raipur organized **Mahila Pakhwada** from 25th Nov. to 10th Dec. 2022. A virtual session was conducted on 25th Nov.

2022, with the aim of raising consciousness on the occasion of **International Day of Elimination of Violence Against Women**. **Dr. Varsha Varwandkar**, *Educational Psychologist & Career Counsellor* who is also an alumnus of NIT Raipur Civil Engineering, 1993 was the Guest Speaker of the program.

A Sensitization Workshop on **The Sexual Harassment of Women at the Workplace (Prevention, Prohibition and Redressal) Act 2013** was also conducted on 6th Dec. 2022 under the guidance of **Dr. S. Agrawal**, *Chairperson, Internal Complaints Committee (ICC) and HoD, DoP*.

The event was presided over by **Dr. (Mrs.) A. B. Soni**, *Director (I/C), NIT Raipur*. The Chief Guest of the workshop was **Mrs. Aradhana Choubey**, *Former District & Sessions Judge*. **Dr. A. Khan**, *Registrar, NIT Raipur* was the Guest of Honour. **Dr. D. Sharma**, *Associate Professor, DoM* and **Dr. M. Singh**, *Assistant Professor, DHSS* were the workshop coordinators. **Dr. S. Gupta**, *Professor, EE*, HoDs, faculties, staff, and students were also present.

Keynote talks were delivered by **Dr. Aradhana Choubey** on **Sexual Harassment of Women at Workplace: Legal Status and Solutions**, **Mrs. Indu Sahu**, *President Chetana Child & Women Welfare Society, Raipur* on **Gender Issues – Sexual Harassment at Workplace: Causes, Impact, Perspectives and Prevention** and **Dr. Lokesh Kumar Singh**, *Additional Professor, AIIMS Raipur* on **Sexual Harassment & Mental Health – How to Heal?** Lastly, **Dr. Avinash Shukla**, *Consultant Psychiatrist, Sparsh Clinic, District Hospital, Raipur* shed some light on **Creating a Sustainable & Inclusive Environment at the Workplace**. The workshop ended with a valedictory session and a vote of thanks.

Annual Alumni Day 2022

Alumni Association of GECNIT, Raipur of NIT Raipur (erstwhile Govt. Engineering College), celebrated Annual Alumni Day 2022 in synchronisation with Diamond Jubilee of 1962 batch, Golden Jubilee Reunion of 1972 batch, Coral Reunion of 1987 batch and Silver Jubilee Reunion of 1997 batch on 25th Dec. 2022 in the presence of **Dr. (Mrs.) A.B. Soni**, *Director (I/C), NIT Raipur* presiding as the Chief Guest. **Mr. K. D. Diwan**, *President, Alumni Association of GECNIT Raipur* and **Mr. A. S. Parihar**, *Secretary, Alumni Association of GECNIT Raipur* were in attendance. Numerous alumni participated from all over India and few from abroad. Newly constructed conference hall and board room for the Alumni Association were also inaugurated followed by a departmental visit of the alumni.



World Mental Health Week Observed



NIT Raipur organized an event on the occasion of **World Mental Health Week** on 13th Oct. 2022. The theme for the event was **Making Mental Health and Well-Being a Global Priority**. The program was conducted under the guidance of **Dr. P. Y. Dhekne**, *Dean (Student & Faculty Welfare)* and coordinated by **Dr. G. Bhatt**, *Assistant Professor, CE*. The event was conducted by the contribution of **District Chief Medical and Health Officer** and **Psychiatric Department, Sparsh Clinic, Pandri**. **Dr. A. K. Das**, *Assistant Professor, DME* was also present.

The speakers for the event were **Mrs. Leena Singh**, *Social Worker, Psychologist*, **Mrs. Mamta Giri Goswami**, *Clinical Psychologist*, and **Mrs. Jagriti Sahu**, *Community Nurse*. The event began with a Nukkad Natak performance by **Abhinay-The Dramatics Club, NIT Raipur** which displayed the life of students and their day-to-day problems. The act was followed by an exciting session full of various interactive fun activities.

Students' Participation in Inter-NIT Sports Tournament

Students of **NIT Raipur** participated in the All-India Inter-NIT Sports Tournament representing the institute in various disciplines including Athletics (Men & Women), Lawn Tennis (Men & Women), Basketball (Men & Women) at **MNIT Jaipur** and Chess (Men & Women), Table Tennis (Men & Women), Badminton (Men & Women) at **NIT Silchar** held in Nov. 2022.

Session on the Origin and Expansion of ISRO



Mechanical Engineering Association of NIT Raipur conducted a speaker session on the **Origin and Expansion of ISRO** on 16th Dec. 2022. It was organized under the supervision of **Dr. S. K. Mukti**, *Faculty In-charge, MEA* and **Dr. M. S. Rajput**, *Assistant Professor, ME*.

The speaker for this event was **Dr. Alok Srivastava**, *Deputy Director-Mechanical System Area, URSC*, currently serving as Chairman of Review Board for all the spacecraft built by ISRO. The event began by **Dr. S. Sanyal**, *HoD, ME* welcoming **Dr. A. Srivastava** with a plant sapling. **Dr. S. Verma**, *Dean (Academics)* was also present during the session.

Dr. A. Srivastava began his lecture by emphasizing on the factors that play key roles in manufacturing satellites. He enlightened everyone on the problems faced by spacecrafts and about the four pillars of ISRO, i.e., help, support, advice and react. The event concluded successfully, and witnessed a huge participation from students, staff, and faculty members.

Co-Hosted the Chhattisgarh Nudge Summit 22



In collaboration with Alliance for Behaviour Change, **NIT Raipur** co-hosted the event **The Chhattisgarh Nudge Summit '22**, which was organized on 20th and 21st Nov. 2022. **Mr. T. S. Singh Deo**, Honourable Health Minister, Government of Chhattisgarh was the Chief Guest of the event. **Mr. Job Zachariah**, *CFO, UNICEF, Chhattisgarh*, and **Mr. Abhishek Singh**, *SBC Specialist, UNICEF* were the Guests of Honour. The event was conducted under the guidance of **Dr. G. Bhatt**, *Assistant Professor, CE* with the aim of boosting behavioural sciences in the state of Chhattisgarh.

Inspection Visits to the Participating Institutes under Unnat Bharat Abhiyan

An **RCI-UBA** team of **NIT Raipur** visited to the Participating Institute from 14th to 16th Dec. 2022 for inspecting the UBA activities. A team was constituted which included **Dr. Sudhakar Pandey**, *Regional Coordinator*, and **Dr. Jagadish**, *NITRR-RCI Member* by the **UBA committee of NIT Raipur**. The UBA team visited 3 PIs situated at Bastar District named **GEC Jagdalpur**, **College of Horticulture** and **SG College of Agriculture and Research Centre**.

Faculty and Staff Participation in All India Inter NIT Tournaments

Men's Cricket at VNIT Nagpur



NIT Raipur's Cricket Team, including faculties and staff, successfully paved their way into the quarterfinals of the **All India Inter NIT Cricket Tournament**, held at **VNIT Nagpur** from 4th to 7th Dec. 2022. The 16-men squad consisted of **Dr. V. K. Gaba** *Associate Professor, ME*, as skipper, **Dr. Rajesh Doria** *Assistant Professor, IT* as vice-captain and **Dr. N. Vishwakarma**, *Associate Professor, AG* **Dr. A. V. AHIRWAR**, *Associate Professor, CE* **Dr. A. R. Singh**, *Associate Professor, ME*, **Dr. J. K. Raut**, *Assistant Professor, IT* **Dr. L. K. Sahu**, *Assistant Professor, EE* **Dr. Naeem Ahmad**, *Assistant Professor, DCA* **Dr. Deepak Singh**, *Assistant Professor, CSE* **Mr. Suresh Dua**, *Technical Assistant, MME*, **Mr. Dilip Chandra**, *Lab Assistant, DBT* **Mr. V. K. Sharma**, *Lab Assistant, ME* **Mr. T. Sinha**, *Lab Assistant, ME* **Mr. V. K. Singh**, *Technical Assistant, DBT* **Mr. Umakant Verma**, *Lab Assistant, workshop* and **Mr. Laxman Dhivar**, *Lab Assistant, CSE* as team members.

Badminton, Table Tennis and Chess at NIT Hamirpur



NIT Raipur participated in the **All-India Inter-NIT Faculty and Staff Sports Meet** organized at **NIT Hamirpur** for Badminton, Table Tennis and Chess competitions from 17th to 19th Dec. 2022. **Dr. Meena Murmu**, *Assistant Professor, CE*

and **Dr. Sonal Yadav**, *Assistant Professor, CSE* received Gold Medal in **Women's Badminton Doubles Category**. **Dr. C. S. Rajput**, *Assistant Professor, DHSS* received Silver Medal in **Women's Badminton Singles Category**.

Dr. Nisha Netam, *Assistant Professor, ME*, and **Dr. Alfia Bano**, *Assistant Professor, CE* bagged Silver Medal in **Women's Table Tennis Doubles Category**. **Dr. Nisha Netam** also received Silver Medal in the Singles Category. In the **Men's Table Tennis Team Category**, **Mr. Sayon Pramanik**, *Assistant Professor, DoA*, **Dr. S. V. Deo**, *Associate Professor, CE*, **Dr. S. K. Mukti**, *Associate Professor, ME*, **Dr. D. P. Singh**, *Associate Professor, CHE*, and **Dr. H. K. Narang**,

Assistant Professor, ME received Gold Medal. **Mr. Sayon Pramanik** also bagged the Silver Medal in the **Men's Table Tennis Open Championship**.

Dr. A. R. Singh, *Associate Professor, ME*, **Dr. G. S. Srinivasu**, *Assistant Professor, ME*, **Dr. D. C. Jhariya**, *Associate Professor, DAG*, **Mr. M. K. Patle**, *Technical Assistant*, and **Mr. V. K. Sharma**, *MTech, Biotechnology* won Bronze Medal in the **Men's Chess Team Category**. The institute also won the Overall trophy in the Table Tennis Championship. **Mr. V. K. Sharma** was also awarded the **Chess Player Outstanding Play Award**. NIT Raipur was awarded with the **Overall Runner Up Championship trophy**.

Academic Activities

STTP/Conference/Workshop Conducted Institute Lecture Series

- **Department of Civil Engineering and Indian Water Resources Society (IWRS) Student Chapter, NIT Raipur** organized the **Institute Lecture Series** on 17th Oct. 2022. The distinguished speaker for the session was **Dr. H. K. Pandey**, *Associate Professor, CE, MNIT Allahabad, Prayagraj*, who delivered a lecture on *Concept and Design of Rainwater Harvesting System*.
- **Department of Information Technology** organized the **Institute Lecture Series** virtually on 17th Nov. 2022. The distinguished speaker for the session was **Dr. V. Varadharajan**, *Global Innovation Chair in Cybersecurity, Director of Advanced Cyber Security Engineering Research Centre, School of Information and Physical Sciences, The University of Newcastle, Australia*, who delivered a lecture on *Research Challenges in Cyber Security*.
- **Department of Computer Applications** organized the **Institute Lecture Series** on 12th Dec. 2022. The distinguished speaker for the session was **Dr. Vishwesh Laxmikant Akre**, *Program Team Leader, Assistant Professor, Computer and Information Science, Higher Colleges of Technology, Dubai, UAE* who delivered a lecture on *Smart Cities Framework – Case Study of Dubai*.

International Conference on Emerging Application of Nanobiotechnology

Department of Biotechnology, NIT Raipur organized an International Conference on **Emerging Application of Nanobiotechnology (ICEAN 2022)** on 26th & 27th Sep. 2022. **Dr. A. M. Rawani**, the then Director, *NIT Raipur* was the Chief Patron of the conference. **Dr. (Mrs.) A. B. Soni**, *Director (I/C), NIT Raipur* was the Chief Guest and **Dr. S. Verma**, *Dean (Academics)* was the *Guest of Honour* for the event. **Dr. P. Diwan**, *Dean (R&C)*, was the Patron. **Dr. L. S. Upadhyay**, *HoD, DBT* was the Chairperson of the event. **Dr. Geeta Ram**, *Research Scientist, New York University* was the Keynote Speaker for the event. **Dr. A. Kumar**, *Associate Professor, DBT*, **Dr. Sharda Bharti**, *Assistant Professor, DBT* and **Dr. C. Mahapatra**, *Assistant Professor, DBT* were the Secretaries for the event.

Dr. G. Ram presented his research paper highlighting the significance of nanobiotechnology. Topics such as medical nanotechnology, environmental nanotechnology, cancer biology, drug discovery, environmental microbiology, biosensors, bioremediation etc. were covered in the event.

More than forty research papers were submitted in the two-day conference covering drug delivery, biosensor, agriculture, and tissue engineering related to nanobiotechnology. The event concluded with a Q&A session.

International Conference on Housing: Challenges, Policies & Strategies of 21st Century (HCPS) 2022 Organized at NIT Raipur



Department of Architecture, NIT Raipur organized a two-day virtual International Conference on **Housing: Challenges, Policies & Strategies of 21st Century (HCPS)** on 29th and 30th Oct. 2022. **Dr. S. Verma**, *Dean (Academics)* and **Dr. P. Y. Dhekne**, *Dean (Student & Faculty Welfare)* were the Guests of honour at the inauguration of the program. **Dr. S. Sthapak HoD, DoA** was also present. **Dr. D. Sanyal**, *Associate Professor, DoA* was the chairperson for the event. **Dr. V. Agrawal**, **Mr. S. Pramanik**, and **Ms. S. S. Nagdeve**, *Assistant Professors, DoA*, were the secretaries of the event.

Dr. Aleksandra Jadach Sepiolo, *Deputy Director, The Institute of Urban and Regional Development, Warsaw, Mazowieckie, Poland*, and **Dr. C. (Christian) Zuidema**, *Associate Professor, Department of Planning, University of Groningen, Netherlands* were the keynote speakers for the event. **Dr. Mohan K.**, *Director, Gitam School of Architecture*, **Dr. G. Subbaiyan**, *Professor, NIT Tiruchirappalli*, **Dr.**

Nirmita Mehrotra, Assistant Professor, Gautam Buddha University, and **Dr. Kalpana Pandit**, Associate Professor, MNIT Jaipur were the expert speakers for the program.

Dr. Aleksandra Jadach Sepiolo highlighted various aspects and limitations associated with urban housing system of the 21st century. The conference witnessed active participation by 45 participants from various prestigious institutions including IITs and NITs from across the country, who presented their research papers.

ATAL FDP on 'AI and Data Science based Emerging Trends in Earth Science' under Thrust Area 'Data Science'



Department of Computer Science and Technology (CSE) and **Department of Information Technology (IT)** organized an ATAL Faculty Development Program (FDP) on *Artificial Intelligence and Data Science-based Emerging Trend in Earth Science under Thrust area 'Data Science'* with **A.I.C.T.E.** in virtual mode from 7th to 12th Nov. 2022 and in hybrid mode from 14th to 18th Nov. 2022. **Dr. (Mrs.) A. B. Soni**, Director (I/C), NIT Raipur was the Chief Mentor of the program. **Dr. Rajeev Chaudhary**, Professor, Pt. Ravi Shankar Shukla University was present as Chief Guest and **Dr. S. Ghosh**, Head, Continuing Education Cell (CEC), NIT Raipur was the Guest of Honour. The FDP was conducted under the supervision of **Dr. N. K. Nagwani**, Associate Professor, CSE and **Dr. M. Sahu**, Assistant Professor, IT. Some of the esteemed speakers who attended the sessions were **Dr. Rajeev Chaudhary**, Professor, Pt. Ravishankar Shukla University, **Dr. N. K. Nagwani**, Associate Professor, CSE, **Dr. D. Singh**, Assistant Professor, CSE, **Dr. M. Singh**, Assistant Professor, DHSS, **Dr. Ishtiyahq Ahmed**, Assistant Professor, CE, **Mrs. Sandhya Mohapatra**, Scientist, Department of Water Resources, Ministry of Jal Shakti, Government of India, **Dr. Pallavi Khobragade**, Assistant Professor, Rungta Engineering College, Raipur, **Dr. D. C. Jhariya**, Associate Professor, AG. A field visit to **JK Laxmi Cement** was organized with **Mr. Sambhu Pal**, Deputy Manager, JK Lakshmi Cement explaining the working and operation of the mines.

The FDP concluded with a Valedictory session on 18th Nov. 2022. **Mr. Uday P. Singh**, Vice President, Mines Development, Jindal Steel & Power Ltd., Raipur served as the

Chief Guest. **Dr. S. Verma**, Dean (Academics) and **Dr. S. Ghosh**, Head, Continuing Education Cell (CEC), NIT Raipur served as the Guests of Honour. **Dr. M. Sahu** shared the glimpses of the sessions conducted throughout the program. **Dr. A. Khare**, Associate Dean (Faculty Welfare) extended best wishes to all the participants. Furthermore, **Dr. S. Verma**, Dean (Academics) advised the participants to inculcate the habit of using AI for innovative practices. **Dr. R. Tripathi**, HoD, IT was also present during the ceremony.

Session on Non-Violent Architecture



Department of Architecture organized a lecture on *Non-Violent Architecture, demonstration of development without demolition detailing design without displacement* on 2nd Nov. 2022. The session was conducted under the guidance of **Dr. S. Sthapak**, HoD, DoA. The Guest Speaker for the lecture was **Mr. Makrand Bhoot**, Founder & Director of Professional Alliance for Technology and Habitat. The lecture was organized with the aim of raising awareness among students about various measures in which architecture could be practiced on a site without demolishing the pre-existing structures.

Session on Challenges in Bio-Medical Equipment under SASID Network

NIT Raipur organized sessions on *Challenges in Bio-Medical Equipment under SASID network* on 10th Oct. and 17th Oct. 2022 in collaboration with the **United States Agency for International Development's Resilience in the Sahel-Enhanced (USAID'S RISE)** program. The session was organized under the supervision of **Dr. B. K. Singh**, HoD, BME and **Dr. S. Gupta**, Assistant Professor, BME.

The speaker of the event was **Dr. Sapan Kumar**, MD (Respiratory Medicine), Christian Hospital, Mungeli. He elaborated a presentation on the topic *Low-Cost Innovations in Biomedical Engineering - Thinking Outside the Box*. **Mr. Inderjeet Singh Bhalla**, Independent Entrepreneur, Product Engineer briefed about designing and start-ups. Further, **Mr. Gajanan Baburao Phukte**, Public Health Physician elaborated on *Health Problems and State of Treatment facilities in Rural Areas*.



Lecture on Ideas to Make India the World's Largest Economy before 2037

Department of Mechanical Engineering in collaboration with Entrepreneurship Cell organized a guest lecture by **Shri Srinu Raju**, Senior Software Architect, CLI, USA entitled **Ideas to Make India the World's Largest Economy Before 2037** on 9th Dec. 2022 in IEM Lab, ME under the guidance of **Dr. S. Sanyal**, HoD, ME, and **Dr. C. Thakur**, Faculty In-charge, E-Cell. The workshop was coordinated by **Dr. A. K. Shukla**, Assistant Professor, ME, and **Dr. R. S. Kumar**, Assistant Professor, ME. **Shri Srinu Raju** compared the problems of India with various countries which included unemployment rate, land acquisition, brain drain, vacant land taxes, import and export in India, and many more. The most important question raised during the discussion was **Why do we make software for others, but others make cars for us?** He also emphasized the importance of land reforms and vacant land taxes and how this will improve India's economy.

Expert Lectures Delivered by Faculty/Staff

- **Dr. G. P. Gupta**, Assistant Professor, IT delivered an invited lecture on *Intrusion Detection System for Edge and Blockchain enable IoT Network at Security Aspects in Computer Science and its Applications (SACSA-2022)* organized by MNIT Allahabad, Prayaraj on 19th Oct. 2022.
- **Dr. Chinmaya Mahapatra**, Assistant Professor, DBT

delivered an invited lecture on *Impact of Redox Bionanomaterials Physical Characteristics from Cellular Level to Therapeutics* at the International Conference on *Nanobiomat Materials and Tissue Engineering Applications (ICNTA 2022)* organized by **International and Inter University Centre for Nanoscience and**

Nanotechnology, sponsored by Department of Science and Technology (DST), India and BRICS STI Framework on 25th Oct. 2022.

- **Dr. L. K. Sahu**, Assistant Professor, EE delivered an expert talk on *Emerging Trends and Advancements in EV and Charging Station* at **IES, University Bhopal** on 2nd Dec. 2022.

Research Frontier

Awards, Recognition, and Fellowships

- **Dr. D. S. Sisodia**, Associate Professor, CSE, **Dr. A. Yadav**, Associate Professor, EE, **Dr. S. Jain**, Associate Professor, EE, **Dr. L. S. Upadhyay**, Associate Professor, DBT, **Dr. A. Kumar**, Associate Professor, DBT, **Dr. M. Biswal**, Assistant Professor, EE and **Dr. G. Gupta**, Assistant Professor, IT have been featured in the prestigious list of *World Ranking of Top 2% Scientists/Researchers* by **Stanford University, USA** in the various fields of engineering and technology for the calendar year 2021.
- **Dr. N. D. Londhe**, HoD, EE has been awarded as the **Best Faculty Award** of **NIT Raipur** for the year 2022 on 1st Dec. 2022.
- **Dr. L. K. Sahu**, Assistant Professor, EE served as a **Reviewer** of innovative ideas under the **INSPIRE Awards-MANAK** for the year 2022-23.
- **Dr. L. K. Sahu**, Assistant Professor, EE received the **SERB Travel Grant** to attend **IECON 2022** at **Brussels, Belgium** during 17th to 20th Oct. 2022 organized by the **IEEE Industrial Electronics Society, USA**.
- **Dr. G. P. Gupta**, Assistant Professor, IT has been awarded as the **Best Researcher Award** of **NIT Raipur** for the year 2022 on 1st December, 2022.

Patents

- **Dr. S. V. Deo**, Associate Professor, CE, **Dr. M. Murmu**, Assistant Professor, CE and **Mr. K. Venkateswarlu**, Research Scholar filed a patent titled **An Internally Cured Self Compacting Concrete and Method of Preparation thereof** on 4th Feb. 2022, which was granted by The Patent Office, GOI on 13th Oct. 2022.

- **Dr. L. K. Sahu**, Assistant Professor, EE, **Dr. S. Gupta**, Professor, EE and team have been granted a patent on **Fault Tolerant Single Phase Multilevel Inverter (MLI) Topology** by the Patent Office, Government of India on 19th Oct. 2022 for a term of 20 years.

Sponsored Research Projects

- The project titled ‘*Geological Mapping for Manganese Ore in Reserve Area of MOIL in Balaghat District and Reconnaissance Survey in Various Parts of India*’ by **Dr. Neeraj Vishwakarma**, PI and Assistant Professor, DAG and **Dr. Prabhat Diwan**, Co-PI, and Dean (Research & Consultancy) has been sanctioned by the **Manganese Ore India Limited (MOIL)**, Grant Rs. 20,70,192/-.
- The project titled *Photoluminescent Lanthanide Metal-Ligand Polymer Composite for Sensing and Opto-Electronic Studies* by **Dr. Sagarika Bhattacharya**, Assistant Professor, DoC has been sanctioned by the **Science & Engineering Research Board (SERB)**, Department of Science and Technology, Government of India, Grant Rs. 32,51,652/-.

PhD Thesis Defended

- **Ms. Arpita Shukla** defended her Ph.D. thesis entitled *Formulation of Slurry for Tantalum Chemical Mechanical Planarization (CMP) and its Electrochemical Characterization* on 16th Sep. 2022 under the supervision of **Dr. R. Mannivannan**, Associate Professor, CHE, and **Dr. S. Noyel Victoria**, Associate Professor, CHE.
- **Ms. Nidhi Sonkar** defended her Ph.D. thesis entitled *An Optimal Network Model for DTN Routing Using Efficient Strategies of Buffer Management, Relay Node Selection and Deployment* on 16th Sep. 2022 under the supervision of **Dr. S. Kumar**, Associate Professor, IT and **Dr. S. Pandey**, Associate Professor, IT.
- **Mr. Rishav Dubey** defended his Ph.D. thesis entitled *Efficient Research Allocation Schemes for 5G Networks* on 27th Sep. 2022 under the supervision of **Dr. S. Pandey**, Associate Professor, IT and **Dr. P. K. Mishra**, Assistant Professor, IT.
- **Ms. Sudeepa Das** defended her Ph.D. thesis entitled *Improved Metaheuristic Based Machine Learning Techniques for Stock Market Forecasting* on 30th Sep. 2022 under the supervision of **Dr. T. P. Sahu**, Assistant Professor, IT and **Dr. R. R. Janghel**, Assistant Professor, IT.
- **Mr. Anurag Sharma** defended his Ph.D. thesis entitled *Modified Direct Displacement Based Design for Open Ground Storey RC Frame Buildings* on 4th Oct. 2022 under the supervision of **Dr. R. K. Tripathi**, Professor, CE, and **Dr. G. Bhatt**, Assistant Professor, CE.
- **Ms. Kavita Jaiswal** defended her Ph.D. thesis entitled *Analysis and Enhancement of Quality-of-Service Parameters in Wireless Sensor Networks* on 4th Oct. 2022 under the supervision of **Dr. V. Anand**, Assistant Professor, CSE.
- **Mr. Ajay Singh Rathore** defended his Ph.D. thesis entitled *Potential of Utilizing Coal Mine Overburden as Replacement of Natural Sand in Concrete* on 17th Oct. 2022 under the supervision of **Dr. M. Pradhan**, Professor, DME and **Dr. S. V. Deo**, Associate Professor, CE.
- **Ms. Akanksha Sharma** defended her Ph.D. thesis entitled *Study and Control of Biocorrosion Caused by Desulfovibrio Desulfuricans in Mild Steel and Aluminium* on 19th Oct. 2022 under the supervision of **Dr. S. N. Victoria**, Associate Professor, CHE.
- **Mr. Manish Verma** defended his Ph.D. thesis entitled *Utilization of Silicon Technology to Design Efficient and Cost Effective Tandem Solar Cell* on 28th Oct. 2022 under the supervision of **Dr. G. P. Mishra**, Associate Professor, ECE.
- **Mr. Ulligaddala Srinivasrao** defended his Ph.D. thesis entitled *Machine Intelligence Based Sentiment Analysis of*

Email & SMS Messages on 31st Oct. 2022 under the supervision of **Dr. A. Sharaff**, Assistant Professor, CSE.

- **Mr. Dhadse Gaurav Devidas** defended his Ph.D. thesis entitled *Modified Soil Structure Interaction Modelling using Finite Element Method* w 9th Nov. 2022 under the supervision of **Dr. G. D. Ramtekkar**, Professor, CE, and **Dr. G. Bhatt**, Assistant Professor, CE.
- **Mr. Vrajesh Kumar Chawra** defended his Ph.D. thesis entitled *Towards Design of Coverage and Connectivity Aware Protocols using Metaheuristics Techniques for Mobile Vehicles assisted Wireless Sensor Networks* on 9th Nov. 2022 under the supervision of **Dr. G. P. Gupta**, Assistant Professor, IT.
- **Mr. Royal Madan** defended his Ph.D. thesis entitled *Material Tailoring and Limit Elastic Analysis of Functionally Graded Disks and its Fabrication with Microstructure Characterization* on 11th Nov. 2022 under the supervision of **Dr. S. Bhowmick**, Associate Professor, ME.
- **Ms. Samrudhi Mohdiwale** defended her Ph.D. thesis entitled *Metaheuristic Based EEG Signal Analysis for Human Cognitive Assessment* on 13th Nov. 2022 under the supervision of **Dr. M. Sahu**, Assistant Professor, IT and **Dr. G. R. Sinha**, Adjunct Professor, IIIT Bangalore.
- **Mr. Kuber Nath Mishra** defended his Ph.D. thesis entitled *Performance Evaluation of Modified Solar Stills and Different Types of Solar Thermal Collectors Integrated with Solar Stills* on 14th Nov. 2022 under the supervision of **Dr. A. K. Tiwari**, Professor, ME, and **Dr. G. N. Tiwari**, Research Professor, Shri Ramswaroop Memorial University.
- **Mr. Vicky Butram** defended his Ph.D. thesis entitled *Design and Optimization of Ultra-Low Frequency Piezoelectric Micro-Cantilever for Energy Harvesting* on 14th Nov. 2022 under the supervision of **Dr. A. Naugarhiya**, Assistant Professor, ECE.
- **Mr. Pradeep Shende** defended his Ph.D. thesis entitled *Rough Set Theory in the Perspective of Uncertainty Assessment* on 16th Nov. 2022 under the supervision of **Dr. A. K. Sinha**, Associate Professor, DoM.
- **Ms. Sudishna Ghoshal** defended her Ph.D. thesis entitled *Heuristic Approaches for NP-hard Combinatorial Optimization Problems* on 16th Nov. 2022 under the supervision of **Dr. S. Sundar**, Associate Professor, MCA.
- **Mr. Vishal Anand** defended his Ph.D. thesis entitled *Design and Investigation of Compact Hybrid Multilevel Converters for Medium Voltage Applications* on 16th Nov. 2022 under the supervision of **Dr. V. Singh**, Assistant Professor, EE.

- **Ms. Pallavi Joshi** defended her Ph.D. thesis entitled *Development of Energy Efficient Data Transmission System (DTS) for Internet of Things (IoT)* on 17th Nov. 2022 under the supervision of **Dr. A. S. Raghuvanshi**, Associate Professor, ECE.
- **Mr. Bhojraj Natthuji Kale** defended his Ph.D. thesis entitled *Study on the Performance and Emission Parameters of Compression Ignition Engine Using Diesel and Algae Biodiesel Blends as a Fuel* on 18th Nov. 2022 under the supervision of **Dr. S. D. Patle**, Professor, ME.
- **Ms. Nimisha Gupta** defended her Ph.D. thesis entitled *Investigation of Human Decision-Making Process as a Multi Criteria Decision Making Problem* on 18th Nov. 2022 under the supervision of **Dr. M. Atlukar**, Associate Professor, MCA, and **Dr. M. K. Ahirwal**, Assistant Professor, CSE, MANIT Bhopal.

- **Ms. Ankit Meenpal** defended her Ph.D. thesis entitled *Difference Expansion Based Reversible Data Handling Techniques for Multimedia Security Applications* on 21st Nov. 2022 under the supervision of **Dr. S. Majumder**, Assistant Professor, ECE.
- **Mr. Satyabadi Kumar Jena** defended his Ph.D. thesis entitled *Prediction of Strata Movement in Underground Coal Mining for Improvement in Safety Management* on 28th Nov. 2022 under the supervision of **Dr. M. Pradhan**, Professor, DME and **Dr. R. D. Lokhande**, Associate Professor, DME, VNIT Nagpur.
- **Mr. R. B. Malathy** defended his Ph.D. thesis entitled *Development of IoT Based Low-Cost Shake Table for Vibration Measurement of Framed Structures* on 29th Nov. 2022 under the supervision of **Dr. G. Bhatt**, Assistant Professor, CE, and **Dr. U. K. Dewangan**, Professor, CE.

Students' Corner

- **NIT Raipur's Mr. Sagar Choudhary**, M.Tech (Structures), CE and **Mr. Kunal Chandrakar**, M.Tech (Structures), CE along with **Bihar State Disaster Management Authority (BSDMA)** presented a Shake Table model on *Vulnerability, Challenges and Best Practices in Disaster Management* at the regional conference held on the occasion of foundation day of Bihar on 8th Nov. 2022. **Shri Nitish Kumar**, Honourable Chief Minister, Bihar was the Chief Guest for the conference. The

presentation was successfully delivered under the thorough guidance of **Dr. (Mrs.) A. B. Soni**, Director (I/C), NIT Raipur, **Dr. G. D. Ramtekkar**, HoD, CE and **Dr. G. Bhatt**, Assistant Professor, CE. **Dr. Uday Kant Mishra**, Vice Chairman, BSDMA was also present.

- **Nrityam – The Dance Club**, NIT Raipur participated in **Let's Nacho**, a dance competition held as part of **Technovate – The Annual Techno-Cultural fest of IIIT Naya Raipur**. The

competition had two categories, namely, group and solo dance.

- **Team Nrityam's Tanvi Khedkar**, 5th sem, ECE, **Utkarsh Singh**, 5th sem, CHE, **Varun Panchal**, 7th sem, DBT, **Smita Prajapati**, 5th sem, ECE, **Ankita Choure**, M.Tech., 4th sem, CHE and **Anupma Pal**, 5th sem, CHE performed in the group dance competition and bagged the 2nd position amongst 42 groups in the category, while **V.S. Anagha**, 3rd sem, DoA stood 2nd from a total of 24 contestants in the solo dance category.

Club/Committee Activities

Abhinay Organizes Nukkad Natak



Abhinay - The Dramatics Club, NIT Raipur presented a **Nukkad Natak** on 28th Nov. 2022 as a part of **Mahilla Pakhwada**. The main theme of the act was **Tathya: Acts for Sexual Harassment of Women at Workplace**. The act aimed

to raise consciousness on **International Day of Elimination of Violence Against Women**. It was conducted under the supervision of **Dr. G. Bhatt**, Faculty In-charge. **Dr. S. Agrawal**, HoD, DoP and **Dr. D. Sharma**, Associate Professor, DoM served as the guests of honour.

The club magnificently portrayed the acts of sexual harassment faced by the women at workplace and how sexual harassment creates an insecure and hostile work environment, discouraging women's participation in workforce. **Dr. G. Bhatt** addressed everyone in attendance describing this issue and talking about creating a safe work environment for women. The event received great applause and appreciation from the attendees.

Photography Exhibition by Click Club

Click Club, NIT Raipur had organized an exclusive photography exhibition, **Aura** from 2nd to 4th Nov. 2022. **Dr. P. Y. Dhekne**, Dean (Student & Faculty Welfare), **Dr. P. Diwan**, Dean (Research & Consultancy), and **Dr. S. Sanyal**, Faculty In-Charge, Click Club were the distinguished guests who inaugurated the event. The exhibition was organized under the guidance of **Dr. S. Sanyal**, HoD, ME. Various captivating photographic genres were put on display with different images

being showcased on different days and the official website of Click Club was also launched.



Entrepreneurship Cell Activities

Visits Atal Tinkering Labs of Various Schools

Entrepreneurship Cell NIT Raipur visited **Bharat Mata Hr. Secondary School** on 15th Oct. 2022, **Delhi Public School (DPS)**, and **Krishna Public School (KPS), Raipur** on 5th Nov. 2022 and **J. R. Dani Higher Secondary School** on 14th Nov. 2022 under the Atal Innovation Mission (A.I.M).

A.I.M aims to foster an innovative and entrepreneurial culture throughout the nation. The events were conducted under the guidance of **Dr. S. Bajpai**, Head, Career Development Cell, **Dr. C. Thakur**, Faculty In-charge, E-Cell, and **Dr. S. Rajput**, Assistant Professor, ME.



The speakers of E-Cell, NIT Raipur briefed various topics related to start-up culture, new policies for fostering innovation in various economic sectors, 3D printing and more and a Do-It-Yourself project was also conducted.

Session on Problem-Solution Fit, and Product-Market Fit

Entrepreneurship Cell (E-Cell) NIT Raipur organized a session on **Problem-Solution Fit and Product-Market Fit** on 31st Oct. 2022, under the guidance of **Dr. C. Thakur**, Faculty In-charge, E-Cell. The speaker for the event was **Mr. Kuldeep Pisda**, Backend and Cloud Engineer, Full-Stack Developer, Goldcast.

The session aimed to bring the research fraternity together in the field of Innovative Start-ups to share their recent

investigations and discuss the advances and future directions of these evolving areas.

Workshops on Business Model and Digital Marketing

Entrepreneurship Cell (E-Cell) NIT Raipur organized a *Business Model Workshop* on 19th Nov. 2022, and a *Digital Marketing Workshop* on 20th Nov. 2022. **Mr. Gyanendra Pandey**, Executive Officer, Ph.D. Chamber, Chhattisgarh Committee and **Mr. Vaibhav Suryawanshi**, Director, Digital Sumo, Digital Marketing Manager, OPPO, Marketing Executive, Big Bazaar were the Guest Speakers on day one and day two respectively. The workshops were conducted under the supervision of **Dr. C. Thakur**, Faculty In-charge, E-Cell.

E-Summit 2022



The Entrepreneurship Cell (E-Cell), NIT Raipur organized its flagship event, the **Entrepreneurship Summit 2022** on 2nd and 3rd Dec. 2022 at **Pt. Dindayal Upadhyay Auditorium, Raipur**. The event was conducted under the guidance of **Dr. C. Thakur**, Faculty In-charge, E-Cell and coordinated by **Garvita K Basantani** and **Navoday Satyam Shukla**, 7th sem, ECE, **Mridul Gilhare**, 7th sem, CHE, and **Siddharth Mishra**, 7th sem, CSE. **Mr. Anil Banchhor**, MD, and CEO, RDC Concrete (India) Pvt. Ltd., Alumnus, GEC Raipur (Batch 1984) was the Chief Guest. **Dr. (Mrs.) A. B. Soni**, Director(I/C), NIT Raipur was the Guest of Honour at the inauguration ceremony.

Mr. Anil Banchhor talked about the importance of start-ups. This was followed by speaker's sessions like **Utkrishth**, an event where benevolent entrepreneurs from rural and tribal areas presented their innovative ideas, and **Entropy**, where established entrepreneurs give smart entrepreneurial advice to young entrepreneurs. **Mr. Dhawal Phadke Sattviko**, Co-founder, Sattviko was the speaker for **Utkrishth**, while **Mr. Manish Pandey**, Content Creation Educator, *Bade Bhaiya (Josh Talks)* and **Ms. Shristi Jain**, Product Head, Ticker, *Finology* were the speakers for **Entropy**.

A couple of competitions were also held, like **Crinometrica - Cricket Auction, Start-Up Expo**, an event where startups pitched their businesses to investors like **Mrs. Namrata**

Tatiya and **Mr. Harshdeep Gumber**, *Acculegal Services*, **Mr. Tushar Vadera**, *SetMyCart* and **Ms. Honey Kithani**, *10000StartupsIndia*, **Innovation Manthan**, an event where teams from various colleges gathered to showcase their innovations; **B-Quiz**, **B-Case Study**, **Ignition B-Model**, etc. As a part of **Arohan - The Entertainment Session**, musical performances were given by **Raaga - The Music Club** and **Raag Music Academy** and dance performances were given by **Nrityam - The Dance Club**. **Ms. Gurleen Pannu** and **Mr. Aashish Solanki**, *Stand-Up Comedian* and **Winner, Comicstan Season 3** respectively were the entertainers in **Arohan** and **E-Gathering** respectively. The two-day event ended with a closing ceremony and a vote of thanks.

Inauguration of Finance and Consulting Club



NIT Raipur inaugurated its **Finance and Consulting Club (F.C.C.)** with **The Non-Core Week** event from 12th to 14th Oct. 2022. **Dr. A. Tiwari**, *Convener, F.C.C.* was the Chief Patron of the event. **Dr. D. C. Jhariya**, *Associate Professor, AG*, and **Dr. G. Bhatt**, *Assistant Professor, CE* were the Chief guests for the event.

Fun and interactive guesstimate and quiz sessions were held where special prizes were given to the winners. This was followed by an online consulting webinar in which NIT Raipur's alumni **Mr. Tarun Kaushik**, *MBA, IIM Bangalore*, and **Mr. Himanshu Wadhvani**, *Deputy Manager, Northern Coalfields Limited (NCL)* gave useful insights about careers in finance and consulting.

Plantation Drive by NCC and Go Green Club

The **NCC cadets of NIT Raipur** in collaboration with the **Go Green Club, NIT Raipur** hosted a plantation drive on 11th Nov. 2022. **Dr. S. Verma**, *Dean Academics*, along with other faculties and students planted various fruit bearing plants in the institute campus. It was successfully organised under the guidance of **Dr. D. C. Jhariya**, *Faculty In-Charge, Go Green* and **Dr. N. Manhas**, *Faculty In-Charge, NCC*. The drive was a

successful move towards expanding the greenery of the campus.



Celebration of 74th National Cadet Corps Day



NIT Raipur celebrated **74th National Cadet Corps Day** on 27th Nov. 2022. The event took place under the supervision of **Dr. N. Manhas**, *Faculty In-Charge, National Cadet Corps (NCC), NIT Raipur*.

The cadets of **NCC, NIT Raipur** first gathered near the main building of **NIT Raipur** and performed basic drills. Cadets then did a plantation drive. After this, they began the cleanliness drive where the cadets and the Faculty In-Charge cleaned the streets of **NIT Raipur** together, which was followed by a cycle rally.

Post these events, **NCC Cadets** who had volunteered for blood donation went to **AIIMS Raipur**. At **AIIMS Raipur**, **Colonel Rakesh Budhani**, *CO, 5 CG CT(I) COY, NCC* interacted with all the cadets which brought the event to an end.

In-House NSS Team Felicitates the 'Real Heroes'



National Service Scheme, NIT Raipur organized an event-cum-felicitation ceremony titled **A Day with Real Heroes** on 5th Nov. 2022. **Dr. P. Y. Dhekne**, *Dean (Student & Faculty Welfare)* was present as the chief guest. **Mr. Sanjay Joshi**, *In-Charge, Education and Youth Wing, Raipur* was the Guest of Honour. **Mr. Manish Kumar Kashyap**, *Alliance for Behaviour Change (Technical Support and Guidance by UNICEF)* was present as the Special Guest. The event was organized under the supervision of **Dr. G. Bhatt**, *Faculty In-charge, NSS*. **Shri Swatantra Rahangdale**, *Urban District Manager, Raipur*, **Dr. Utkarsh Trivedi**, *Homeopathy Doctor*, **Mr. Mohammad Sajjad Khan**, *Founder, Awam-E-Hind Social Welfare Committee (NGO)*, **Dr. Avinash Trivedi**, *Medical Officer*, **Mrs. Kamini Sahu**, *Teacher, Mohalla Class*, **Mrs. Smarika Rajput** and **Mr. Nitin Singh Rajput**, *Kuch Farz Hamara Bhi (NGO)*, **Mr. Nagesh Yadu**, *State Coordinator, Student Youth Forum, Chhattisgarh*, **Mr. Prakhar Kotadia**, *Climate Activist, Roopkesari Vatika (NGO)*, **Mr. Shubham Verma** and **Mr. Rahul Yadav**, *Student and Welfare Association, Chhattisgarh*, **Mr. Manish Kumar Kashyap**, *In-charge for Alliance (Behavioral Changes)* were some of the attendees who proudly discussed the numerous contributions they had made during the tough times. **Mr. Sumit Deep**, *Cleaning Supervisor, Zone 4* and **Mr. Gaurav Pande**, *Social Worker* were also present. The event was coordinated by head coordinators of NSS- **Shreya Tiwari**, *7th sem, CSE*, **Aditya Dewangan**, *7th sem, CSE*, **Rahul Utakar**, *5th sem, MCA*, **Mihir Pawar**, *7th sem, DoA*, **Sayali Ingale**, *3rd sem, MCA*, **Pallavi Sudhaker**, *7th sem, DoA*.

Members of **Rajbhasha Samiti**, NIT Raipur staged a skit giving tribute to all the COVID warriors. Melodious songs, graceful dance performance and soulful poems were performed by Team NSS. The program concluded with **Dr. G. Bhatt's** address.

Celebration of 74th National Constitution Day



Team NSS, NIT Raipur celebrated the 74th National Constitution Day 'Samvidhan Divas' on 26th Nov. 2022 at the institute. **Dr. (Mrs.) A. B. Soni**, *Director (I/c), NIT Raipur* was the Chief Guest and **Dr. P. Y. Dhekne**, *Dean (Student & Faculty Welfare)* was the Guest of Honour for the event. **Dr. Suresh K. Sahu**, *Azim Premji Foundation, Raipur* was present as the Guest Speaker. The event was organized under the supervision of **Dr. G. Bhatt**, *Faculty In-charge, NSS*. **Dr. F. Khan**, *Professor, DoC*, **Mr. Manish Kumar Kashyap**, *Alliance for Behaviour Change (Technical Support and Guidance by UNICEF)*, **Ms. Khushboo Soni**, *Content Analyst, Chhattisgarh*, and **Shri Sandeep Yadav**, *We the People Society* were also present. The program ended successfully with the criticality of the Constitution carefully studied.

Nrityam's Grand Garba Eve

Nrityam-The Dance Club of NIT Raipur organized the **Grand Garba Eve 2022** as a part of Navratri celebrations on 30th Sep. 2022 under the guidance of **Dr. M. Singh**, *Faculty In-Charge, Nrityam*. **Dr. S. Mukti**, *Associate Professor, ME*, **Dr. M. Sahu**, *Assistant Professor, IT*, **Dr. K. Siddique**, *Associate Professor, DoC* and **Dr. H. Bikrol**, *Associate Professor, MCA* were some of the guests present.



Team Nrityam gave a heart-warming performance which was succeeded by an open for all garba in which all the students, faculties, etc. participated enthusiastically. **Mrs. Punam Raguwanshi**, **Mrs. Rashmi Diwan**, **Mrs. Pranita Sonkar**, **Mrs. Shilpa Chopkar**, **Mrs. Mona Bikrol**, **Mrs. Sunita**, **Mrs. Pooja Mishra**, and **Mrs. Sulakshna Mukti** also took part on behalf of **Matrishakti Club**, which is a women's association of NIT Raipur formed for aiding in social causes. At the end, prizes were given to students for their exceptional performances.

Raaga's Musical Event- Shruti 2022

Raaga-The Music Club, NIT Raipur organized **Shruti'22** on 8th Nov. 2022. **Dr. P. Y. Dhekne**, *Dean (Student & Faculty Welfare)*, **Dr. P. Diwan**, *Dean (Research & Consultancy)* and **Dr. S. Verma**, *Dean (Academics)* were the Guests of Honour. The program was organized under the supervision of **Dr. S. Sanyal** and **Dr. A. Khare**, *Faculty In-charge, Raaga*. Faculties, staff, and students were also present.

The program featured songs and melodies from distinct cultures all over the country including Retro, English, South Indian, Chhattisgarhi etc., unifying people and providing the highest levels of ear-pleasing entertainment.



Sahyog-The Mentorship Club conducted a Hackathon named **Pitch - The Peculiar** on 3rd Nov. 2022, under the guidance of **Dr. R. Jade**, *Faculty In-Charge, Sahyog*. A couple of problem statements were available for the participants to choose anyone. The Hackathon concluded in 3 rounds, starting from idea submission to online mini project submission to offline project solutions presentation by top participants.

Dr. S. Ganguly, *Associate Professor, MME*, **Dr. C. K. Singh**, *Assistant Professor, CE*, and **Dr. C. Jatoth**, *Assistant Professor, IT* served as the member of the judging panel. More than 80 students had enthusiastically participated in the event.

Traditional Day by Sanskriti



Sanskriti-The Cultural Committee of NIT Raipur organized **Traditional Day**, as a part of Pre-Diwali celebrations, on 22nd Oct. 2022. The event was organized under the guidance of **Dr. L. S. Upadhyay**, *Faculty In-Charge, Sanskriti*.

Mehendi Art and Rangoli competitions were organized wherein, **Anushka**, 3rd sem, *Metallurgy* and **Harini**, 5th sem, *ECE* won the Rangoli competition and **Abida Muskhani**, 5th sem, *B.Arch.* and **P. Laasya**, 3rd sem, *ECE* won the Mehendi Competition.

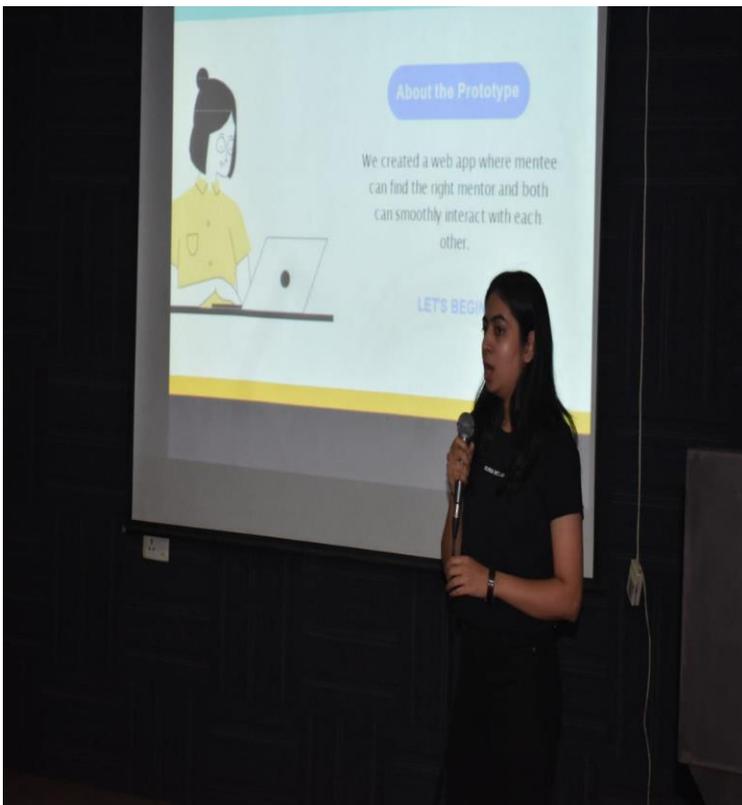
Performances from **Raaga-The Music Club** and **Nrityam-The Dance Club** made the atmosphere radiant. Subsequently, the students took part in a 'Traditional Walk' and flaunted their outfits. **P. Vishnu**, 7th sem, *CSE* with **Alekhyia**, 7th sem, *MME* came 1st and **Aihika Dwivedi**, 5th sem, *ME* with **Kumar Harsh**, 5th sem, *DoA* were 2nd.

Sahyog the Mentorship Club Activities

Aptitude Test for Placement Training

Sahyog-The Mentorship club, NIT Raipur, in association with **Maya Maya** organized an aptitude test on 15th Oct. 2022, under the supervision of **Dr. R. K. Jade**, *Faculty In-charge, Sahyog*. The objective of the event was to provide students with mentorship for placements, helping them in landing jobs in their desired firms. Aptitude test and interviews were conducted and finally the top three performers received rewards worth Five Thousand Rupees.

'Pitch the Peculiar'- Hackathon



Alumni Achievement

- **Mr. Sanjay Shukla IFS** (Civil/1985) has been appointed as *Principal Chief Conservator Forest (PCCF), and Head of Forest Service, Govt. of Chhattisgarh.*
- **Prof. Arvind Kumar Mishra** (Min/1990) has been appointed as *Director, Central Institute of Mining and Fuel Research (CIMFR) Dhanbad.*
- **Mr. Shantanu Roy** (EE/1991) has been appointed as *Director, Mining and Construction Business, BEML Ltd.*
- **Dr. Divya Agrawal** (BME/2009) has been awarded the *Young Engineer Award* for the year 2021-22 by the *Institute of Engineers (India)* for her outstanding contribution in the field of aerospace engineering during the 36th National Convention on 25th& 26th Nov. 2022.
- **Mr. Jaideep Singh Bhardwaj** (Biotech/2016) has been selected for the prestigious *Prime Minister's Fellowship Scheme for Doctoral Research (PMFDR).*
- **Mr. Sameer Ranjan** (Min/2017) has been issued a Patent on *An Algorithm to find Personality and Soft Skills of the Person and Based on that Recommending Career, Courses and Professions.*
- **Ms. Sakshi Mudliar** (Civil/2019) secured **AIR-17** in **Union Public Service Commission's Indian Engineering Services (UPSC IES) 2022.**

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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