

## Institute News

### Visitor's Conference 2022



The Hon'ble President of India, Shri Ram Nath Kovind, hosted the Conference of Vice-Chancellors of Central Universities and Directors of Institutions of National Importance on 7<sup>th</sup> Jun, 2022 and 8<sup>th</sup> Jun, 2022 at **Rashtrapati Bhavan, New Delhi**. **Dr. A. M. Rawani**, *Director, NIT Raipur* participated in the two-day Visitor's Conference 2022.

### Felicitation by Indian Red Cross Society

NIT Raipur was felicitated by the **Indian Red Cross Society, Chhattisgarh State Branch** on 14<sup>th</sup> Jun, 2022 on World Blood Donor Day for recurrently conducting voluntary blood donation camps. **Dr. A. M. Rawani**, *Director NIT Raipur* received this felicitation from **Hon'ble Governor of Chhattisgarh Sushri Anusuiya Uikey**.



### Dr. Subhas Sarkar, MoS for Education visits NIT Raipur

The Hon'ble Union Minister of State (MoS) for Education, **Dr. Subhas Sarkar** paid an honorary visit to NIT Raipur on 22<sup>nd</sup> Apr, 2022. During his stay, he visited facilities of the institute like Central Computer Center, Data Center and various laboratories, and encouraged the faculty and of the institute through his address covering various topics like National Education Policy 2020, Indian Knowledge System, holistic education and strong alumni relationships.



### Felicitation with Shiksha Samman

NIT Raipur got felicitated with **Shiksha Samman** by **Dainik Bhaskar Newspaper** by **Hon'ble Governor of Chhattisgarh Sushri Anusuiya Uikey** on 21<sup>st</sup> May, 2022 for its contribution during the COVID-19 pandemic.

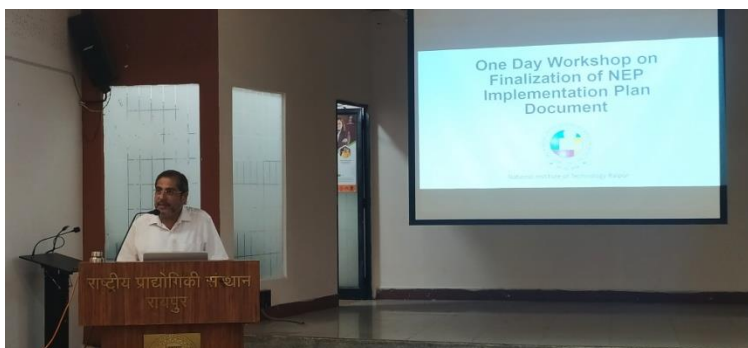


### MoU between NIT Raipur and National Institute of Hydrology Roorkee

NIT Raipur and National Institute of Hydrology Roorkee signed an MoU on 6<sup>th</sup> May., 2022 to promote academic and research cooperation through collaborative research activities, joint events, training of students, and exchange of faculty and scientific and technical information.

### Workshop on Strategic Implementation Plan for National Education Policy 2020

A one-day workshop was organized to discuss the modalities to implement **National Education Policy 2020 (NEP 2020)** at NIT Raipur on 6<sup>th</sup> May, 2022. The draft's strategic plan was prepared under the guidance of **Dr. A. M. Rawani**, *Director, NIT Raipur*. The draft was prepared through 6 Brainstorming sessions on different chapters of NEP 2020 which took place in the last six months. In the strategic plan actionable points are divided in three groups which include short-term, mid-term, and long-term actions. A Taskforce has also been constituted for speedy and smooth implementation of NEP 2020 in the institute.



## New India Festival

**New India Festival** was organized on 14<sup>th</sup> Jun, 2022 in which awards were distributed to the winners of **New India competitions** which included a quiz and a video-making contest. The Chief Guest of this event was **Shri Sunil Soni, Member of Parliament (MP) Raipur**, and **Shri R. S. Vishwakarma, I.A.S. (Retd.)** acted as Programme Chair. **Dr. A. Khan, Registrar, NIT Raipur** addressed the event and asked the students to spread awareness about schemes, government grants, and policies in the community. Various cultural performances were given by **Raaga-The Music Club** and **Nrityam-The Dance Club**. **Abhinay-The Dramatics Club** then presented a Nukkad Natak to spread awareness about various government schemes. The winner of the Quiz was **Satyajit Nath** while **Laxman Kumar** and **Kukil Sharma** bagged the 2<sup>nd</sup> and 3<sup>rd</sup> positions respectively. **Aditya Tiwari** received first position for Video Making Contest and **Saurabh Kumar Rai** bagged the 2<sup>nd</sup> position.

## Orientation-cum-Demonstration Program on Skill Development & Entrepreneurship Under UBA



NIT Raipur, as the regional coordinating institute organized a one-day orientation and demonstration program on **Skill Development and Entrepreneurship** for Participating Institutes (PIs) under the **Unnat Bharat Abhiyan (UBA) 2.0** on 21<sup>st</sup> May, 2022. **Dr. A. M. Rawani, Director, NIT Raipur** was the Chief Guest for the event, and **Dr. S. Pandey, Regional Coordinator, RCI UBA NIT Raipur** presided over as the chairman. The Organizing Secretaries were **Dr. Jagadish, Dr. M. Verma, and Dr. V Agrawal, Members, RCI UBA NIT Raipur**. **Astha Vashistha, Financial Expert** talked on the topic-*Rural Entrepreneurship, Financial Tools and Schemes*. The last session of the event was led by **Dr. A. K. Tiwari, Associate Professor & Head, Dept. of Rural Technology, Dr. C. V. Raman University, Bilaspur**, who spoke on the topic - *Appropriate Technological Options For Sustainable Rural Development*. The event concluded with a vote of thanks presented by **Dr. V. Agrawal, Member, RCI** and **Dr. H. Bikrol, Coordinator, UBA Cell NIT Raipur**.

## Visit to New PIs Under UBA

The **RCI-UBA team** from NIT Raipur visited the newly joined 10 PIs from 29<sup>th</sup> Apr, 2022 to 13<sup>th</sup> May, 2022. The team members were **Dr. S. Pandey, Regional Coordinator, UBA, Dr. Jagadish, Member, NITRR-RCI** and **Mr. Sachin Kotwani, Staff, UBA**. During the visit, all aspects of UBA were discussed. The newly joined PIs had found some rural issues

## Pariksha Pe Charcha

Students of NIT Raipur attended the live telecast of the interactive session '**Pariksha Pe Charcha**' by **Hon'ble Prime Minister Shri Narendra Modi** on 1<sup>st</sup> Apr, 2022 and gained an insight into the ways to overcome examination stress.



## Research Scholars' Conclave 2022

NIT Raipur conducted a **three-day multidisciplinary Research Scholars' Conclave** from 28<sup>th</sup> Jun., 2022 to 30<sup>th</sup> Jun., 2022. The objective of the conclave was to provide research scholars with a valuable learning experience, and proper guidance to publish their articles in reputed journals and conferences. **Dr. A. M. Rawani, Director, NIT Raipur** was the Patron, and **Dr. Prabhat Diwan, Dean (Research and Consultancy)** was the Chairperson of the event. Organizing



secretaries of the conclave were **Dr. A. Yadav, Associate Dean, R&C, Dr. A. Kumar, Assistant Professor, Department of Biotechnology** and **Dr. T. P. Sahu, Assistant Professor, IT**. The speakers of the conclave were **Dr. S. Srivastav, Publishing Director Journals, Springer Nature**, and **Dr S. K. Satpathy, Deputy Librarian, NIT Raipur**. More than 250 papers were Presented in Five parallel sessions of Various Research Groups. Best Research Paper Awarded to **Pallavi Pradeep Khobragade, CE** for Group-1, **Sathish Kumar Adapa, ME** for Group-2, **Neelam Agrawal, MCA** for Group-3, **Nitish Kumar, ECE** for Group-4, and **Pritish Behera, DHHS** for Group-5.

such as Water Crisis, Middle & higher Education Problem, Belief in Superstitious Power, Irrigation Problem, Unemployment, Low Literacy Rate, Unawareness of Govt. Schemes, Health Issues etc. The RCI-UBA team advised the PIs to form a blueprint of Plan of action and implement accordingly for betterment of their adopted villages and appreciated the efforts of the PIs and gave assurance to provide the support in future.



### Vaccination Camp

Free Vaccination drives against COVID-19 were organized at the NIT Raipur Dispensary on various days in Jun, 2022, in which Booster doses of vaccine shots were administered to the eligible students, faculty, staff, and their family members.

### Session on Overall Health and Life Therapy

Department of Humanities and Social Sciences (DHSS) organized a session on Overall Health and Life Therapy, in association with Dr. A. Gupta, Director, Ganesh Vinayak Eye Hospital and Positive Health Zone at A.P.J Kalam Hall, NIT Raipur on 13<sup>th</sup> Jun, 2022. This event was a part of a series of events being conducted in the build-up for International Yoga Day. In the session, Dr. A. Gupta discussed the importance of our body, its existence, and the power of our conscious and subconscious minds through experiments with the students.

### Lecture Session on Yoga and Meditation



Department of Humanities and Social Sciences (DHSS) organized a lecture session on *Rejuvenating the Mental and Physical System Through Yoga and Meditation* on 18<sup>th</sup> Jun, 2022 in the APJ Abdul Kalam Hall as pre-event for the International Yoga Day. The speaker for the session was Mr. S. K. Rajeev Nair, Corporate Relations Manager, Chhatrapati Shivaji Group of Institutions (CSGI).

### International Day of Yoga Celebration

Department of Humanities and Social Sciences (DHSS) celebrated the 8<sup>th</sup> International Yoga Day on 21<sup>st</sup> Jun, 2022 on the theme *Yoga for Humanity*. Dr. A. M. Rawani, Director, NIT Raipur, and Dr. P. Y. Dhekne, Dean (Student Welfare)

were the guests of honour. The event started with the welcome note delivered by Dr. U. K. Dewangan, HoD, DHSS followed by Dr. A. M. Rawani addressing the attendees. Winners of the Yoga competition organized on 20<sup>th</sup> Jun, 2022 were also announced. In the group event, the Patanjali, Panini, and the Adiyogi Group bagged the top 3 positions in the boys' category whereas the Arundhati, Padmavati, and the Rani Laxmi Bai group got the first, second and third positions respectively in the girls' category. In the singles event, Harshit, Sudhanshu, and Shubham were the top three in the boys' category while Shruti, Ranjana, and Manisha were the top three in the girls' category.



### Institute Lecture Series

Department of Applied Geology (DAG) organized the Institute Lecture Series on 24<sup>th</sup> Apr, 2022. The distinguished speaker for the session was Dr. N. Juyal, Sr. Scientist, Physical Research Laboratory, Ahmedabad who delivered a lecture on *Himalayan Ecosystem Response to Human Interventions and Climate Change with special emphasis on Recent Disasters*.

Department of Biotechnology (DBT) organized the Institute Lecture Series on 6<sup>th</sup> May, 2022. The distinguished speaker for the session was Dr. K. Chatterjee, Associate Professor, Department of Materials Engineering & Center for BioSystems Science and Engineering, Indian Institute of Science, Bangalore who delivered a lecture on *Three dimensional Printing of Biomaterials for Tissue Engineering*.

Department of Architecture (DOA) organized the Institute Lecture Series on 11<sup>th</sup> Jun, 2022, The distinguished speaker was Padma Shri Dr. G. Shankar, Founder and Chairman, Habitat Technology Group, who delivered a lecture on *Climate Resilient Architecture*.

### Online Edutainment Sessions

To motivate the students and uplift their morale in the difficult time of the COVID-19 pandemic, NIT Raipur under the adroit guidance of Director Dr. A. M. Rawani, is organizing Online Edutainment Sessions for students of various semesters continuously. In this line, the program of Edutainment is being organized by all the departments in coordination with respective Departmental Student's Associations. The session provides a platform for the students to discuss their academic and non-academic issues in an informal manner.

### World Water Day

NIT Raipur on the occasion of World Water Day on 22<sup>nd</sup> Mar, 2022 conducted Many events including experiments and online demonstrations of advanced hydrologic investigations to promote awareness towards water conservation.

## Donation of Grocery Items



**Aashirwaad- The Ladies' Club, NIT Raipur** donated Grocery items to the **Kuldeep Nigam Vriddha Ashram** on 23<sup>rd</sup> Apr., 2022. **Mrs. Mumtaz Rawani** (Wife of **Dr. A. M. Rawani**, Director, NIT Raipur), **Mrs. Jaishree Dhekne** (Wife of **Dr. P. Y. Dhekne**, Dean, Student welfare), **Dr. S. Sthapak**, HoD, Architecture, **Dr. A. B. Soni**, Professor, Chemical Engineering, **Mrs. Vineeta Ramtekkar** (Wife of **Dr. G. Ramtekkar**, Professor, Civil Engineering), **Dr. M. Sahu**, Assistant Professor, Information Technology and **Mrs. Ritu Jain** (Wife of **Dr. N. K. Jain**, Associate Professor, Mechanical Engineering) were part of the donation drive.

## Clothes Donation Drive and Distribution of Basics Need Items to Orphanage

**Aashirwaad- The Ladies' Club, NIT Raipur** organized a clothes collection and donation drive and distribution of basics need items. The club requested all the members of the NIT

Raipur family to donate clean and wearable clothes from 30<sup>th</sup> Apr., 2022 to 1<sup>st</sup> May, 2022. The collected clothes and basics need items were donated among the children and staff of **Matruchhaya Orphanage** on 4<sup>th</sup> Jun., 2022. **Mrs. Mumtaz Rawani** (Wife of **Dr. A. M. Rawani**, Director, NIT Raipur), **Mrs. Jaishree Dhekne** (Wife of **Dr. P. Y. Dhekne**, Dean, Student welfare), **Dr. S. Sthapak**, HoD, Architecture, **Dr. A. B. Soni**, Professor, Chemical Engineering, **Mrs. Vineeta**



**Ramtekkar** (Wife of **Dr. G. Ramtekkar**, Professor, Civil Engineering), **Dr. M. Sahu**, Assistant Professor, Information Technology and **Mrs. Ritu Jain** (Wife of **Dr. N. K. Jain**, Associate Professor, Mechanical Engineering) were part of the donation drive

## Academic Activities

### STTP/Conference/Workshop conducted

#### Certification Course Organized

**Department of Information Technology (IT)**, under the **Continuing Education Cell (CEC)**, organized a certification course on *Applied Data Analytics: A Practical Approach* from 15<sup>th</sup> Jun., 2022 to 14<sup>th</sup> Jul, 2022 with the objective to develop a solid understanding of the Data Science and Analytics techniques. The organizing committee consisted of **Dr. S. Ghosh**, Chairman, CEC, **Dr. M. Sahu**, Coordinator, CEC and **Dr. G. P. Gupta**, Coordinator, CEC. Speakers for this course were **Dr. S. Ghosh**, Associate Professor, EE, **Dr. R. Choudhary**, Professor, Pt. Ravi Shankar University, Raipur **Dr. M. Sahu**, Assistant Professor, IT, **Dr. R. Tripathi**, HoD, IT, **Dr. G. P. Gupta**, Assistant Professor, IT, **Dr. C. Jatoh**, Assistant Professor, IT, **Dr. A. K. Sharma**, Assistant Professor, Department of Mathematics, **Dr. B. K. Singh**, Assistant Professor, DBT, **Dr. T. P. Sahu**, Assistant Professor,

IT, **Dr. D. Agrawal**, Temporary Faculty, IT, **M. Gulhane**, Assistant Professor, Symbiosis Institute of Technology (SIT), Nagpur and **Dr. S. K. Badhiye**, Assistant Professor, (SIT) Nagpur.

#### Field Training Programme

**Department of Applied Geology (DAG)** organized a Geological field training programme for M.Tech (Applied Geology) 2<sup>nd</sup> Semester students from 21<sup>st</sup> Mar, 2022 to 10<sup>th</sup> Apr, 2022 in the Sonakhan area, Baloda Bazar, Chhattisgarh. **Dr. D. C. Jhariya**, Assistant Professor, DAG, and **Dr. Sagar Misra**, Temporary Faculty, DAG imparted the training on preliminary geological inspection and mapping techniques while adopting different methods of geological survey. Both mapping and survey were conducted in the areas of *Nageri, Ganiyari, Bilari, Rajadevri, Baya, Bhusripali etc.*

### Expert Lectures Delivered by Director, NIT Raipur

- Dr. A. M. Rawani**, Director, NIT Raipur delivered an invited talk as a speaker on the topic 'Curriculum aspects for NAAC Assessment & Accreditation' on 20<sup>th</sup> Jun. 2022 in the **National workshop on Transformation through NAAC Accreditation Process** organized virtually by the **Institute for Academic Excellence (IAE)** in collaboration with the **Collegiate Education and Technical Education Department, Government of Telangana**.
- Dr. A. M. Rawani**, Director, NIT Raipur delivered an invited talk as a Speaker on the topic 'Quality' on 21<sup>st</sup> Jun. 2022 in the **Faculty Development Program on Advance Material and Recent Technology** at **Kalinga University, Naya Raipur**.
- Dr. A. M. Rawani**, Director, NIT Raipur delivered a talk as a Speaker on the topic 'Fast-tracking rural livelihood through Unnat Bharat Abhiyan: Perspective of a UBA Regional Coordinating Institute (RCI)' on 29<sup>th</sup> Jun., 2022 in the **CSIR Technologies for Rural Livelihood** at **CSIR-Institute of Himalayan Bioresource Technology (IHBT), Palampur**.

## Expert Lectures Delivered by Institute Faculty/Staff

- **Dr. D. C. Jhariya**, Assistant Professor, Department of Applied Geology delivered an expert lecture on the *Importance of Groundwater Recharge in Present Context* in a webinar organized by **Government College Bichhua, Chindwara, M.P.** on 22<sup>nd</sup> Apr, 2022.
- **Dr. A. Khare**, Associate Professor, Department of Physics, delivered an expert lecture on *Thin Film Deposition & UV-Visible/IR Spectroscopy* during a workshop on Advanced Characterization of Tools Fundamentals and Applications, which was organised by **Pt. Shyamacharan Shukla College, Dharsiwa, Raipur, C.G.** on 21<sup>st</sup> May, 2022.

## Research Frontier

### Awards, Recognition, and Fellowships

**Dr. D. Sanyal**, Associate Professor, DOA has been nominated as member of BOG of UG and PG studies of Architecture for **Biju Patnaik University of Technology, Odisha**.

### Patents

**Md. Imroz Khan**, Research Scholar, ECE and **Dr. B. Acharya**, Assistant Professor, ECE filed a patent about their device which uses headphone to maintain a record of people's food habits, quantify their calorie intake and other nutrients, and give health guidance accordingly. The patent has been published and is now under examination for a potential grant.

### Research Projects

#### Funded project

The project titled *Synthesis and Characterization of Graphene Reinforced Nanocomposites by Continuous Melt Processing* by **Dr. S. Das**, Assistant Professor, MME has been sanctioned by the Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India Rs. 24,47,632.

### PhD Thesis Defended

- **Mr. Prasenjit Biswas** defended his Ph. D. thesis titled *Design, Simulation and Manufacturing of a Novel Continuous Casting Equipment for Fabrication of AI Based Materials* on 8<sup>th</sup> Mar. 2022 under the supervision of **Dr. S. Das**, Assistant Professor, MME.
- **Mr. Lokesh Singh** defended his Ph.D. thesis titled *Computer-Aided Diagnosis System for Melanoma using Machine Learning Techniques in Dermoscopic Images* on 10<sup>th</sup> Mar. 2022 under the supervision of **Dr. R. R. Janghel**, Assistant Professor, Information Technology (IT) and **Dr. S. P. Sahu**, Assistant Professor, IT.
- **Mr. Deepak Kumar Dewangan** defended his Ph.D. thesis titled *Towards the Design of Intelligent Vehicle System Using Computer Vision and Deep Learning Techniques* on 11<sup>th</sup> Mar. 2022 under the supervision of **Dr. S. P. Sahu**, Assistant Professor, IT.
- **Ms. Khushbu Kuwarlal Rahangdale** defended her Ph.D. thesis titled *Design and Development of Lead-Free Multiferroic* on 14<sup>th</sup> Mar. 2022 under the supervision of **Dr. S. Ganguly**, Assistant Professor, MME.
- **Ms. M. Sahu** defended her Ph.D. thesis titled *Investigations on Internet of Things Based Smart Healthcare System* on 4<sup>th</sup> Apr. 2022 under the supervision of **Dr. M. Atulkar**, Associate Professor, Master in Computer Application (MCA) and **Dr. M. K. Ahirwal**, Assistant Professor, MCA, Maulana Azad National Institute of Technology, Bhopal.
- **Mr. Vikas Swarnakar** defended his Ph.D. thesis titled *Development and Implementation of Sustainable Lean Six Sigma Framework for Indian Manufacturing Organizations* on 6<sup>th</sup> Apr. 2022 under the supervision of **Dr. A. R. Singh**, Assistant Professor, Mechanical Engineering (ME) and **Dr. A. K. Tiwari**, Professor, ME.
- **Mr. P. Kinker** defended his Ph.D. thesis titled *An Integrated Approach for Quality Enhancement in Polytechnic Colleges of Madhya Pradesh* on 16<sup>th</sup> Apr. 2022 under the supervision of **Dr. A. R. Singh**, Assistant Professor, ME and **Dr. R. Jain**, HoD, ME, Motilal Nehru National Institute of Technology, Allahabad.
- **Mr. Subhranshu Sekhar Sahu** defended his Ph.D. thesis titled *Effect of Interface, Strain and Phonon Confinement on Thermoelectric Efficiency of GaN/InxGa1-xN/GaN SLs* on 21<sup>st</sup> Apr. 2022 under the supervision of **Dr. B. K. Sahoo**, Associate Professor, Department of Physics.
- **Ms. Onika Parmar** defended her Ph.D. thesis titled *Performance Parametric Optimization of Lateral and Vertical Power MOSFETs* on 5<sup>th</sup> May 2022 under the supervision of **Dr. A. Naugarhiya**, Assistant Professor, ECE.
- **Mr. V. K. Sihag** defended his Ph.D. thesis titled *An Effective Based Malware Detection System for Android* on 29<sup>th</sup> Apr. 2022 under the supervision of **Dr. Manu Vardhan**, Assistant Professor, Computer Science and Engineering (CSE) and **Dr. Pradeep Singh**, Assistant Professor, CSE.
- **Mr. Giridhar Urkude** defended his Ph.D. thesis titled *Ontological Approach Using Semantic Web of Things to Achieve Semantic Interoperability* on 17<sup>th</sup> May 2022 under the supervision of **Dr. M. Pandey**, Assistant Professor, MCA.
- **Mr. Pailendra Kumar Sahu** defended his Ph.D. thesis entitled *Investigation of Morphological and Optical Properties of Rare Earth Doped Apatite Phosphors* on 20<sup>th</sup> May, 2022 under the supervision of **Dr. S. Agrawal**, Professor, Department of Physics and **Dr. Meera Ramrakhiani**, Department of Postgraduate Studies and Research in Physics and Electronics, Rani Durgavati Vishwavidyalaya, Jabalpur.
- **Mr. Palash Soni** defended his Ph.D. thesis titled *Performance Analysis of Different Adsorbent-Adsorbate Pairs for Adsorption Refrigeration System* on 23<sup>rd</sup> May 2022 under the supervision of **Dr. V. K. Gaba**, Assistant Professor, ME and **Dr. A. Sur**, Associate Professor, Symbiosis International University, Pune.

- **Ms. Deepti Sisodia** defended her Ph.D. thesis entitled *Investigation on Invalid Traffic Detection in Online Advertising Networks using Machine Learning Paradigm* on 24<sup>th</sup> May., 2022 under the supervision of **Dr. D. S. Sisodia**, HoD, Computer Science and Engineering.
- **Mr. Animesh Agrawal** defended his Ph.D. thesis entitled *Knowledge Management in Steel Industries in Indian Context* on 25<sup>th</sup> May, 2022 under the supervision of **Dr. S. K. Mukti**, Assistant Professor, ME.
- **Mr. Mahesh Vaidya** defended his Ph.D. thesis entitled *Design and Analysis of Trench Superjunction Insulated Gate Bipolar Transistor: Limitations and Solutions* on 30<sup>th</sup> Ma., 2022 under the supervision of **Dr. S. Verma**, Professor, Electronics and Communication Engineering (ECE) and **Dr. A. Naugarhiya**, Assistant Professor, ECE.
- **Mr. Mahesh Kumar Tripathi** defended his Ph.D. thesis entitled *Identification, Mapping and Spectral Library Generation for Hydrothermally Altered, Weathered and Clay Minerals in Jahajpur, Bhilwara, Rajasthan* on 3<sup>rd</sup> Jun., 2022 under the supervision of **Dr. H. Govil**, Assistant Professor, Applied Geology.
- **Mr. Vinay Surendra Yadav** defended his Ph.D. thesis entitled *Modelling and Analysis of Agro-Food Supply Chain in Indian Context for Select Issues* on 3<sup>rd</sup> Jun., 2022 under the supervision of **Dr. A. R. Singh**, Assistant Professor, Mechanical Engineering.
- **Mr. Alok Sharma** defended his Ph.D. thesis entitled *Fortification in Beverages Using Extracted Phytochemicals* on 13<sup>th</sup> Jun., 2022 under the supervision of **Dr. B. Mazumdar**, Associate Professor, Chemical Engineering (CE) and **Dr. A. Keshav**, Associate Professor, CE.

## Students' Corner

- **Sameer Bothra**, CE, presented a model on **Low-Cost Shake Table** on the occasion of **Bihar Diwas**, celebrated in Patna from 22<sup>nd</sup> to 24<sup>th</sup> Mar., 2022, The model was demonstrated in the presence of **Shri Nitish Kumar**, Chief Minister, Bihar and **Dr. U. K. Mishra**, Vice Chairman, Disaster Management Authority, Bihar. The model was worked upon under the guidance of **Dr. A. M. Rawani**, Director, NIT Raipur, **Dr. G. Ramtekkar**, HoD, CE and **Dr. G. Bhat**, Assistant Professor, CE.
- **Adya Jha**, 4<sup>th</sup> Sem., Computer Science & Engineering has been selected as the recipient of the **2022 APAC Generation Google Scholarship for Women in Computer Science**. She received \$1,000 USD for the 2022-2023 school year and was invited to the **2022 APAC GGS Virtual Retreat** on 30<sup>th</sup> Apr. 2022.
- **Shweta Gupta**, 2<sup>nd</sup> Sem., Applied Geology (M.Tech), **Prakriti Dar**, 2<sup>nd</sup> Sem, CE and **Mihir Pawar**, 6<sup>th</sup> Sem., DOA were **Finalists** in the *National Debate Competition on Paryavaran Chetna – Environment and Sustainability in the National Environment Youth Parliament 2022* organized on 16<sup>th</sup> Apr. 2022 at **Sansad Bhavan, New Delhi**.
- **Korra Adityaraj Chowhan**, 8<sup>th</sup> Sem., Metallurgical and Materials Engineering (MME), has secured admission into the **University of California, Los Angeles, U.S.A**. He will be pursuing his **Master of Science program in Materials Science and Engineering**, UCLA, from the fall of the academic year 2022-23.
- **Anjali Patle**, 8<sup>th</sup> Sem., CSE, **Shruti Rawal**, 8<sup>th</sup> Sem., IT, **Ashish Kumar**, 8<sup>th</sup> Sem., IT. And **Ayush Ganguli**, 8<sup>th</sup> Sem., IT. bagged job offers as *Software Developers* from **Microsoft**.
- **Raj Khare**, 8<sup>th</sup> Sem., Chemical Engineering, won the commendation prize, along with a cash prize of Rs. 10,000, in the **New Generation Ideation Contest 2021**, organized by **Hindustan Petroleum Corporation Limited (HPCL)**, on 29<sup>th</sup> Mar. 2022, in Bengaluru, under the guidance of **Dr. P. K. Chaudhari**, Associate Professor, Chemical Engineering.
- **Syed Uzairuddin**, 6<sup>th</sup> Sem., Civil Engineering (CE) was selected as a **Research Intern** in the **Visiting Student Research Programme**, organized under **NTU India Connect 2022**, which took place from 10<sup>th</sup> May. 2022 to 23<sup>rd</sup> Jul. 2022.
- **Ms. Nirmitsa Chowdhury**, 8<sup>th</sup> Sem, DOA, received the **Best Thesis Award** by **ASAR Body** for her B. Arch. thesis titled *Restoration of Patal Bari Complex by Adaptive Reuse With Emphasis on Heritage Tourism* under guidance of **Mr. S. Pramanik**, Assistant Professor, DOA.
- **Mr. Gaurav Kumar**, 8<sup>th</sup> Sem, DOA awarded with **Deshbandhu Pratibha Protsahan Puraskar (MINHAS Memorial Trophy)** for his B. Arch thesis titled *Revitalization of Surang Tila Temple Complex Sirpur* under the guidance of **Mr. V. Agnihotri**, Assistant Professor, DOA.

## Students' Visit

- **Department of Architecture (DOA)** conducted a field visit to the **Indian Institute of Technology Bhilai, Chhattisgarh** on 30<sup>th</sup> Apr., 2022 for understanding practical aspect of Construction techniques. The field trip saw the participation of over 50 students under the guidance of **Dr. D. Sanyal**, Associate Professor, DOA.
- **Department of Architecture (DOA)** conducted a visit to the Arang, Chhattisgarh to study the Vernacular Architecture of Arang on 25<sup>th</sup> Jun. 2022. Students also visited the heritage site Bhand Dewal Temple in Arang. The trip saw the participation of 37 students under the guidance of **Ms. K. B. Sharma**, Assistant Professor, DOA along with **Dr. V. Agrawal**, Assistant Professor, DOA.



## Club/Committee Activities

### Session on Placement Procedure and Activities

**Training and Placement Office (TPO) and SAHYOG - The Mentorship Club** jointly organized an exclusive session to brief the students about the placement procedure and related activities on 24<sup>th</sup> Mar. 2022. The program was organized under the guidance of **Dr. M. Chopkar**, Faculty In-charge, TPO and **Dr. R. K. Jade**, Faculty In-charge, SAHYOG. The aim of the session was to describe the structure of the Career Development Center, and its functioning. Few tips regarding career selections, campus selection process and placement statistics of the previous academic sessions of the institute were discussed.

### Fin-Ace 1.0 Conducted

**Finance Club of E-cell, NIT Raipur** organized “Fin-Ace 1.0”, an online quiz on 25<sup>th</sup> Mar. 2022 to spread basic financial knowledge required to easily manage personal and business-related financial matters. The quiz was organized under the guidance of **Dr. R. N. Patel**, Professor In-charge, E-Cell. Team of **Deep Arora** and **Ushmita Mohanta**, Symbiosis Institute of Management Studies secured 1<sup>st</sup> position in this quiz, while **Shashank Shekhar**, Techno India University and **Ranveer Goyal**, Delhi College of Arts and Commerce, DU, were declared as **first** and **2<sup>nd</sup> runner-up** respectively.

### Mock Placement Session Organized

**SAHYOG-The Mentorship Club, NIT Raipur** organized a **Mock Placement Session** on 3<sup>rd</sup> Apr. 2022. The event was conducted under the supervision of **Dr. R. K. Jade**, Faculty In-charge, Sahyog. It was open for students of all the years and had 3 rounds. The first round was an examination round which was divided into four domains. Over 200 participants reached the second round, and they were put into teams of four to discuss over general topics. The final round was an interview round. The interviews were taken by alumni and students who have recently given interviews for their placements.

### Presentation on the theme of Only One Earth

**Go Green, NIT Raipur** organized an event on 6<sup>th</sup> Jun., 2022 in collaboration with the Mahatma Gandhi National Council of Rural Education to celebrate **World Environment Day** under the theme, *Only One Earth*. The event was organized under the guidance of **Dr. D. C. Jhariya**, Professor In-charge, Go Green with **Dr. P. Y. Dhekne**, Dean, Student Welfare, **Dr. S. Sanyal**, HoD, ME, **Dr. M. Chopkar**, Associate Professor, MME and **Dr. B. Singh**, HoD, BME, and the students in attendance.

### World Environment Day 2022

**Go Green Committee, NIT Raipur** organized a **Plantation Drive and Cycle Rally** on the occasion of World Environment Day on 5<sup>th</sup> Jun., 2022. The event started with **Dr. A. M. Rawani**, Director, NIT Raipur planting a sapling near the Souvenir Garden. Around 100 plants were planted all around the campus. **Dr. P. Y. Dhekne**, Dean, Student Welfare, **Dr. M. Pradhan**, Professor, Mining Engineering, **Dr. G. Ramtekkar**, Professor, Civil Engineering, **Dr. D. C. Jhariya**, Faculty In-charge, Go Green, **Dr. M. Sahu**, Assistant Professor, IT, **Dr. P. K. Chaudhari**, Associate Professor, Chemical Engineering

(CE) and **Dr. V. K. Singh**, Associate Professor, CE contributed and helped to spread awareness. This was followed by **Dr. A. M. Rawani** flagging off the Cycle Rally in the campus in which Students, Faculty Members, and Staff participated.



### Save Soil Campaign at NIT Raipur

**Go Green Club, NIT Raipur** organized an awareness program, **Save Soil**, on 20<sup>th</sup> May. 2022. **Save Soil**, an initiative launched by **Sadhguru**, is currently the world's biggest ecological movement to save soil. The program was started with presenting videos and posters on *Save Soil* in the Visvesvaraya Hall of the institute. Awareness was spread regarding **Sadhguru's** work, and points related to the **Save Soil** campaign. In the end, a Q&A session was conducted to answer the questions of the participants regarding the campaign.

### Talk session on CAT

**Sahyog-The Mentorship Club, NIT Raipur** organized an online talk session on CAT on 23<sup>rd</sup> Mar. 2022, under the guidance of **Dr. R. K. Jade**, Faculty In-charge, SAHYOG. **Shashwat Awasthi**, 8<sup>th</sup> Sem., CSE, **Amber Agarwal**, 8<sup>th</sup> Sem., ME and **Akansha Agrawal**, 8<sup>th</sup> Sem., EE, who scored **99.83 percentile**, **99.60 percentile** and **99.12 percentile**, respectively, in **CAT 2021**, were the speakers. **Shashwat**, who also scored **99.87 percentile** in **XAT** and **99.52 percentile** in **IIFT**, shared strategies to score well in **XAT** and **IIFT** as well. The speakers shared their personal experiences and some of the well-defined strategies that they used during their preparation days. The meet concluded with a Q&A Session between the speakers and aspirants.

### Session on Invention to Innovation



**Innovation Cell and Entrepreneurship Cell** in association with the **Innovation Council**, **All India Council for Technical Education** and **Ministry of Education's Innovation Cell** organized an **Invention to Innovation** session on 21<sup>st</sup> Jun., 2022 in hybrid mode. The objective of the session was to

encourage students towards innovation. **Dr. R. Pandey**, Chief Scientist, CytoVeris and Affiliate Faculty, University of Connecticut was the speaker and discussed about the five phases of design thinking: Empathize, Define, Ideate, Prototype, and Test. **Dr. S. Bajpai**, Head, Career Development Centre, and **Dr. S. Gupta**, Faculty In-charge, Innovation Cell were also present during the session. It ended with an interactive Q&A session.

## ASAR Lecture session

The Association of Students of Architecture Raipur (ASAR) conducted two Lectures on 12<sup>th</sup> Apr., and 6<sup>th</sup> May, 2022. The first lecture session was delivered by **Dr. A. Bandyopadhyay**, Professor, DOA on Diversity in Unity – A Retrospect of the Ancient Civilization. The second lecture session was delivered by **Dr. D. Sanyal**, Associate Professor, DOA on Sustainability in Super Tall Houses: Architectural Implications.

## Placement

- **Abhinav Mishra** and **Anukruti Das**, 8<sup>th</sup> Sem., Mechanical Engineering were selected in **Bharat Petroleum Corporation Ltd. (BPCL)** under PSU with a CTC of 18.45 lpa.
- **Piyush Pastor**, 8<sup>th</sup> Sem., Chemical Engineering, **Shikhar Sachan**, 8<sup>th</sup> Sem., Electrical Engineering, **Siddhant Singh** and **Suman Saurav**, 8<sup>th</sup> Sem., Mechanical Engineering were selected in **Engineers India Limited (EIL)** under PSU with a CTC of 17.5 lpa.
- **Ajay Kumar Lahare** and **Shreyash Pandey** 8<sup>th</sup> Sem., CSE, **Ajit Pandey**, **Aman Srivastava**, **Yash Srivastava** and **Yaman Kurrey**, 8<sup>th</sup> Sem., Electronics and Telecommunication Engineering were selected in **Bharat Electronics Limited (BEL)** under PSU with a CTC of 11 lpa.

## Alumni Achievement

The Alumni of NIT Raipur have demonstrated their brilliance in the **Civil Services Examination (UPSC CSE) 2021**, the final results of which were announced by the **Union Public Service Commission (UPSC)** on 30<sup>th</sup> May, 2022. The meritorious Alumni of the Institute who excelled in the exam are:

<b>AIR-51</b>	<b>Akshay Pillay</b> (Mechanical/2017)	<b>AIR-102</b>	<b>Prakhar Chandrakar</b> (Electrical/2017)
<b>AIR-147</b>	<b>Mayank Dubey</b> (Civil/2016)	<b>AIR-199</b>	<b>Pooja Sahu</b> (Biomedical/2018)
<b>AIR-216</b>	<b>Divyanjali Jaiswal</b> (Mechanical/2018)	<b>AIR-316</b>	<b>Aakash Shrishrimal</b> (Civil/ 2019)
<b>AIR-390</b>	<b>Akash Kumar Shukla</b> (Mining/2015)	<b>AIR-574</b>	<b>Ranjith Kumar Parvathi</b> (Metallurgy/2018)

## Contribution to the Institution

### 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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