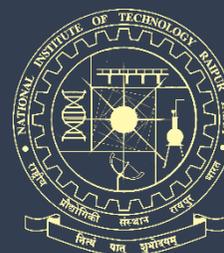




NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

Mirror



VOLUME 4 ISSUE 2

Reflecting the True Spirit of NIT Raipur.

1 July 2021

Institute News

National Webinar on National Education Policy 2020

NIT Raipur conducted a **National Webinar** to discuss the importance of the **National Education Policy (NEP-2020)** on 9th Apr., 2021. The webinar was inaugurated and addressed by **Dr. A. M. Rawani**, *Director, NIT Raipur*, who emphasised the significance of understanding the challenges in implementing the NEP-2020. Highlighting the various advantages and flexibilities of NEP, he laid stress on the development of infrastructure including the trained manpower to rejuvenate the teaching and learning in Higher Technical Institutions. **Dr. K. V. Jayakumar**, *Professor, HAG, NIT Warangal* delivered a keynote speech on *Curriculum and employability*. **Dr. P. K. Sinha**, *VC & Director, IIT Naya Raipur* delivered a speech on *Perceived challenges in implementing NEP 2020*, emphasising the objective of NEP-2020, which aims to transform IITs, NITs and various HEIs into research-intensive universities. **Dr. U. Bhrigu**, *Professor & Dean Academics, MNIT Jaipur* delivered a speech on *NEP-Challenges and opportunities* and **Dr. S. K Sharma**, *Professor, IIT BHU* discussed the *Rolling out NEP 2020 for Technology Education*.

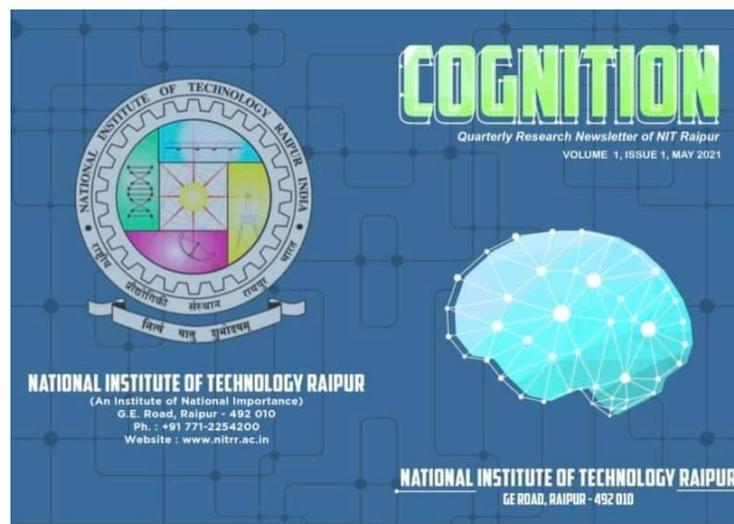


Institute Innovation Council qualified for Mentor-Mentee Scheme

Institute Innovation Council has been qualified for **MoE Innovation Council (MIC) Mentor-Mentee Scheme**. Under the guidance of **Dr. S. Gupta**, *Professor In-charge, Institute Innovation Council*, the council is designed to win one mentor along with 5 mentees from IIC institutes within an academic year with financial support from MIC and AICTE. The main objective of the **MIC-Mentor Mentee Scheme** is to help the various IIC institutions to facilitate the knowledge exchange and

resource mobilization among participating institutions by offering inter-institutional collaborations. As per the guidelines, a total of 50-60 numbers of high performing IIC institutions will act as mentors to 250-300 IIC institutions as a mentee on an average ratio of 1:5. Each mentor Institute will get funding assistance of up to Rs. 2,00,000/- to organise the innovative activities for the development of mentee Institutions.

COGNITION: The Official Research Newsletter



NIT Raipur has always been involved in imparting quality technical education to the students. The Institute has taken several measures to display the research prowess achieved over the years. In a recent development, NIT Raipur has published maiden issue of **Research Newsletter: COGNITION**. The first issue of **COGNITION** provides a glimpse of commendable research work from all the disciplines carried out by the faculty member and students of NIT Raipur. The first issue summarizes the books, chapters, research papers and patents published by the faculty member and students during the last year. The details of sponsored research papers, memorandum of understanding (MOUs) and start-ups by students are also provided. In his message, **Dr. A. M. Rawani**, *Director, NIT Raipur* wished that faculty members and students of NIT Raipur will continue to engage in more innovative endeavours and yield fruitful research output with the same enthusiasm. The research newsletter will be published on quarterly basis and next issue will be published in Aug., 2021. The editorial team of **COGNITION** is led by **Dr. A. Khare**, *Head, Department of Physics (DP)* and other members of the team are **Dr. S. Das**, *Assistant Professor, Department of Metallurgical and Materials Engineering (DMME)*, **Dr. V. Babu**, *Assistant Professor,*

Department of Humanities and Social Sciences (DHSS) and **Dr. A. K. Dash**, Assistant Professor, Department of Mining Engineering (DME).

Mr. K. K. Sahoo joins as DR (F&A)

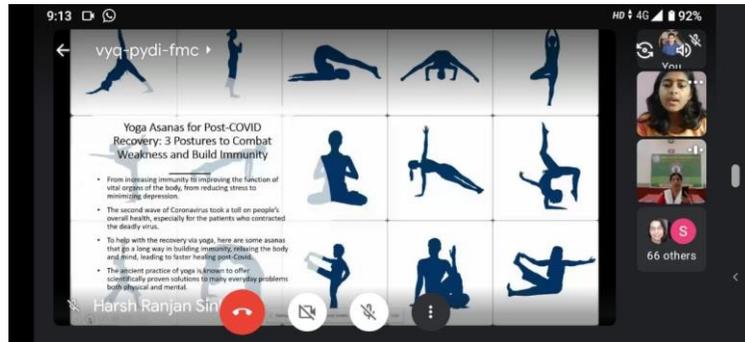
Mr. K. K. Sahoo joined as the DR (Finance and Accounts), National Institute of Technology Raipur with effect from 02nd Jun., 2021. Team Mirror on behalf of the NIT Raipur fraternity welcomes him.

Campus Placement

Despite the unprecedented havoc of COVID-19, NIT Raipur virtually conducted the campus placement for the passing-out students of 2020-21. Apart from the usual recruiters like **Amazon, Samsung, TATA Steel** and **Hero MotoCorp**, this year many new reputed firms such as **Deutsche Bank, Paytm, CEAT Tyres** and **Dr Lal Path Labs** also hired students from NITRR. Out of the total 760 students, 440 students have received on-campus offers with many more opting for off-campus opportunities. **Adobe**, the multimedia and creative software company offered the **highest campus placement package at 43 LPA**, whereas 557 offers has been received with the **average package** for this year was **9.07 LPA**.

International Yoga Day

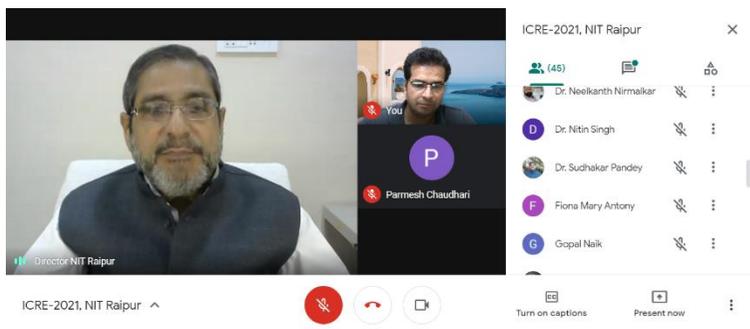
NIT Raipur celebrated 7th International Day of Yoga on 21st Jun., 2021 at 9.00 to 10.30 AM by a virtual Yoga session. This Yoga session contained few steps of Yoga practice, benefits of Yoga, releasing of stress during the present scenario. The event was organized under the guidance of **Dr. A. M. Rawani**, Director, NIT Raipur and **Dr. P. Diwan**, Dean Student's Welfare, NIT Raipur. **Dr. M. Shukla** and **Mr. S. Nishad**, Yoga Teachers, DHSS Coordinated the event.



Academic Activities

STTP/Conference/Workshop conducted

International Conference on Reaction Engineering (ICRE-2021)



Department of Chemical Engineering (DCE), NIT Raipur organized a two-day virtual **International Conference on Reaction Engineering (ICRE-2021)** from 7th to 8th May, 2021. The keynote speakers included **Dr. R. Wickramsinghe**, Distinguished Professor, University of Arkansas, USA, **Dr. A. Taksale**, Monash University, Australia, and **Prof. V. C. Shrivastava**, Head, Chemical Engineering Department, IIT Roorkee. The event was witnessed by scholars and faculty member from different IITs and NITs. Thirty research papers got selected to be published in the **International Journal of Chemical Reactor Engineering**, which is an SCI Indexed journal. **Mr. H. Kumar**, IIT Madras secured first place in paper presentation. **Dr. A. M. Rawani**, Director, NIT Raipur was the chief guest for the valedictory function. He concluded the event by encouraging all the participants and organizers. The event was successfully organized under the guidance of **Dr. A. K. Poonia**, Head, DCE, **Dr. A. B. Soni**, Professor, DCE, **Dr. A. Keshav**, **Dr. P. K. Chaudhari**, Associate Professors, DCE and **Dr. D. Pal**, Assistant Professor, DCE.

FDP on Cyber Security in Smart Cities

Department of Computer Application, NIT Raipur organized an ATAL-AICTE sponsored five-day online Faculty Development Program (FDP) on **Cyber Security in Smart Cities** from 14th to 18th Jun., 2021. The chief guest for the inauguration ceremony was **Padma Shri Prof. B. K. Roy**, Former Director, Indian Statistical Institute Kolkata and Chairman of National Statistical Commission, Ministry of Statistics & Program Implementation, Govt. of India. **Dr. S. Sanyal**, Dean, Faculty Welfare delivered the welcome address



and highlighted the importance of cybersecurity in smartcities. The program coordinator **Dr. M. Dasgupta**, Assistant Professor, Master's in Computer Application (MCA) elaborated on the application of Cyber Security in Smartcities in the present virtual world. **Dr. M. Atulkar**, Associate Professor, MCA proposed the vote of thanks. The program, which featured renowned speakers from the premium institutions, was structured to target the faculty members, PG students, PhD scholars and researchers to enhance their knowledge about the different prospects of cybersecurity along with suggesting solutions for implementing AI system.

Expert Lectures Delivered by Director, NIT Raipur

- **Dr. A. M. Rawani**, Director, NIT Raipur delivered an invited talk as a Panellist on the topic *Current state of the Education Sector in India* in the **2nd India Education Development Virtual Summit** organized by **Confer Global Private Limited** on 18th May, 2021.

Expert Lectures Delivered by Institute Faculty/Staff

- **Dr. S. L. Sinha**, Professor, Department of Mechanical Engineering (ME) delivered the keynote address on *How to Tackle Gender Discrimination at Workplace* at TEQIP III Sponsored Conference **Prospects of Gender Equity at Maulana Azad National Institute of Technology, Bhopal** on 19th Mar., 2021.
- **Dr. G. Bhatt**, Assistant Professor, CE delivered an expert lecture on *Youth and Leadership: New Era of Lifestyle* in a National Webinar, which was organized by **Kalinga University, Raipur** on 25th Mar., 2021.
- **Dr. N. D. Londhe**, Associate Professor, Department of Electrical Engineering (EE) delivered an expert lecture on *Medical Image Segmentation and Classification Using Deep Learning* in New Trends in Machine Learning NTML 2021 organized by **Narula Institute of Technology, Kolkata** on 25th Mar., 2021.
- **Dr. N. D. Londhe**, Associate Professor, EE delivered an expert lecture on *Lymph Nodes Detection in CT Images Using Deep Learning and Differential Diagnosis of Lymph Nodes in CT Images Using Deep Learning* in AICTE sponsored two-week FDP on Machine Learning in Image Processing Applications organized by **Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Vijayawada** on 26th Mar., 2021.
- **Dr. A. Sharaff**, Assistant Professor, Computer Science & Engineering (CSE) delivered an expert lecture on *Artificial Intelligence* in a Faculty Development Programme (FDP) on *Natural Language Processing*, which was organised by the **School of Computing Science, Hindustan Institute of Technology and Science (HITS) Padur, Chennai** on 29th Mar., 2021.
- **Dr. A. Khare**, Assistant Professor, DP delivered an expert lecture on the title *Thin Film Solar Cells: Future of Renewable Energy* at the **2nd Virtual Congress on Materials Science and Engineering**, which was held at **Mind Authors Scientific Conferences, USA** from 29th to 31st Mar., 2021.
- **Dr. S. Agrawal**, Professor, DP delivered an expert lecture on *Dielectric and Electrical Conduction Behaviour of Rare Earth Doped Calcium Yttrium Oxide* in the **2nd Virtual Congress on Materials Science & Engineering** at the **Mind Authors Scientific Conferences** on 31st Mar., 2021.
- **Dr. G. Bhatt**, Assistant Professor, CE delivered an expert lecture on *Seismic Design Philosophy* in AICTE-ISTE sponsored Refresher Programme (Phase-1) on *Earthquake Resistant Design* organized by **Govt. Polytechnic, Bolangir** on 8th Apr., 2021.
- **Dr. N. D. Londhe**, Associate Professor, EE delivered an expert lecture on *Deep Learning and its Application in Automated Pain Severity Assessment and Hands-on Session of Pain Assessment Using UNet* in AICTE sponsored two-week FDP on *Machine Learning in Computer vision and Video Processing* which was organized by **Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology** on 10th Apr., 2021.
- **Dr. G. Bhatt**, Assistant Professor, CE delivered an expert lecture on *Review of IS Codes on Seismic Resistant Design* in AICTE-ISTE sponsored Refresher Programme (Phase-1) on *Earthquake Resistant Design* organized by **Govt. Polytechnic, Bolangir** on 10th Apr., 2021.
- **Dr. N. D. Londhe**, Associate Professor, EE delivered an expert lecture on *A deep Residual U-Net Convolutional Neural Network for Automated Lung Segmentation in Computed Tomography Images* at the World Conference on Lung & Respiratory Disease, which was organized by the **European Society of Medicine** on 24th Apr., 2021.
- **Dr. K. J. Naik**, Assistant Professor, CSE, delivered an expert lecture on the topic *Recent Trends, Futures and Enabling Technologies of Cloud, Edge and Fog Computing* in a seven-day AICTE-ISTE Sponsored Faculty Development Program on **Recent Trends in Cloud Computing (RTCC-2021)**, which was organized by **DRIEMS Engineering College Tangi, Cuttack, Odisha** on 26th Apr., 2021.
- **Dr. G. Bhatt**, Assistant Professor, CE delivered an expert lecture on *Earthquake Resistant Design Philosophy* in AICTE-ISTE sponsored Refresher Programme (Phase- II) on *Earthquake Resistant Design*, which was organized by **Govt. Polytechnic, Bolangir** on 28th Apr., 2021.
- **Dr. G. Bhatt**, Assistant Professor, CE delivered an expert lecture on *Review of IS Codes on Earthquake Resistant Design* in AICTE-ISTE sponsored Refresher Programme (Phase- II) on *Earthquake Resistant Design* organized by **Govt. Polytechnic, Bolangir** on 30th Apr., 2021.
- **Dr. A. Yadav**, Associate Professor, EE delivered an expert lecture on *Protection Schemes in Microgrids and Smartgrids* in AICTE sponsored two-week online FDP on *Electrical Paradigm Shift to Cyber-Physical Systems and Contemporary Research in Electrical and Electronics Engineering*, which was organized by **Saranathan College of Engineering, Trichy** from 3rd to 15th May, 2021.
- **Dr. S. Ghosh**, Associate professor, EE, delivered an expert lecture on *Cyber Security of Electrical Power Grids* in National Technology Day Seminar organized by **ITM University, Naya Raipur** on 11th May, 2021.
- **Dr. S. Gupta**, Assistant Professor, Department of Biomedical Engineering (BME), delivered an expert lecture on the topic *Evaluating Practice Ventures (Activity)* at **Global Jury in Wadhvani Foundation** on 15th May, 2021.
- **Dr. S. Gupta**, Assistant Professor, BME delivered an expert lecture on the topic *Online Interactions with Technical Experts for finalizing projects (Activity)* at **Women Entrepreneurship Development Program (WEDP)** conducted by **HTIC, IITM and DST** on 15th May, 2021.

- **Dr. N. D. Londhe**, Associate Professor, EE delivered an expert lecture on *Applications of Artificial Neural Networks* in an STTP on Artificial Intelligence and Deep Learning, which was organized by **Maulana Azad National Institute of Technology Bhopal** on 18th May, 2021.
- **Dr. N. D. Londhe**, Associate Professor, EE delivered an expert lecture on *Deep Learning and Its Application in Automated Pain Severity Assessment* in AICTE sponsored one-week STTP on *Data Science and Machine Learning*, which was organized by **Narula Institute of Technology, Kolkata** on 27th May, 2021.
- **Dr. G. Bhatt**, Assistant Professor, CE delivered an expert lecture on *Earthquake Resistant Design of Buildings* in TEQIP-III sponsored National Webinar organized by **Civil Engineering Department, Jabalpur Engineering College, Jabalpur (M.P.)** on 28th May, 2021.
- **Dr. N. K. Nagwani**, Associate Professor, CSE delivered an expert talk titled *Unsupervised Learning (Clustering and its implementation in Python)* at the event **Teacher Training Programme 2021 - Machine Learning using Python**, which was organised by **BIT Durg** on 29th May, 2021.
- **Dr. N. K. Nagwani**, Associate Professor, CSE delivered an expert talk titled *Introduction to NOSQL Database* at **ATAL FDP on Next Generation Databases**, which was organised by **BIT Durg** on 1st Jun., 2021.
- **Dr. G. Bhatt**, Assistant Professor, CE delivered an expert lecture on *Seismic Base Isolation of Structures* in AICTE sponsored two-week FDP organized by **Sri Krishna College of Engineering & Technology, Kuniyamuthur, Coimbatore (TN)** on 1st Jun., 2021.
- **Dr. G. Bhatt**, Assistant Professor, CE delivered an expert lecture on *An Introduction to Non-destructive testing of Structures* in AICTE sponsored two-week FDP organized by **Sri Krishna College of Engineering & Technology, Kuniyamuthur, Coimbatore (TN)** on 2nd Jun., 2021.
- **Dr. S. Gupta**, Assistant Professor, BME, delivered an expert lecture on the topic *Design Thinking – Human Life Centric Approach* at **AICTE Atal FDP-Gyan Ganga Institute of Technology and Sciences, Jabalpur** on 2nd Jun., 2021.
- **Dr S. Gupta**, Assistant Professor, BME delivered an expert lecture on *Design Thinking – human-centred Design* at **Risingranges Pvt Ltd** on 12th Jun., 2021.
- **Dr. A. Sharaff**, Assistant Professor, CSE delivered an expert lecture on the *Role of Big Data in IIoT* in an AICTE Training and Learning (ATAL) sponsored FDP on *Industrial Internet of Things (IIoT)*, which was organized by the **Department of Mechanical Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan (SKITM&G), Jaipur** from 7th to 11th Jun., 2021.
- **Dr S. Gupta**, Assistant Professor, BME delivered an expert lecture on *Practical Challenges in Design Thinking Solutions in AI and IoT* at the **Faculty Development Cell, Engineering Staff College of India** on 15th Jun., 2021.

Research Frontier

Awards, Recognition, and Fellowships

- **Dr. D. C. Jhariya**, Assistant Professor, Department of Applied Geology, NIT Raipur presented a research paper entitled *Demarcation of Groundwater Potential Recharge Zone Using GIS-based MIF and Electrical Resistivity Technique in Raipur City, Chhattisgarh* in a Conference on **Recent Trends in Geospatial Technology: Issues & Challenges (RTGTIC-2021)** held at **Central University of Jharkhand, Ranchi** on 19th and 20th Mar., 2021. His presentation was recognized as an outstanding presentation; his paper was awarded as the **Best Paper** in the RTGTIC-2021.
- **Dr. A. Yadav**, Associate Professor, EE was the Guest of Honour at the **IEEE PES Day Celebration 2021**, which was organized by **IEEE BBDITM PES Chapter** in Collaboration with the **IEEE UP Section** from 18th to 22nd Apr., 2021. She also served as a panel member of the Panel discussion on topics *Humanitarian Opportunities in Power and Energy in Indian Sub-Continent*, Engaging PES Members in Humanitarian Activities, Clean Energy Revolution.
- **Dr. N. D. Londhe**, Associate Professor, EE worked as the *Chair of Technical Session Computational Intelligence Techniques* in the 6th International Conference on Information, Communication and Computing Technology, which was held at **Jagan Institute of Management Studies, New Delhi, India** on 8th May 2021.
- **Dr. A. Bandyopadhyay**, Professor, Department of Architecture is noted as a member of **Board of Reviewers of Journal of The Indian Institute of Architects India**.

Patents

- **Dr. R. R. Janghel**, Assistant Professor, Department of Information Technology (IT), along with 7 other researchers filed a patent titled **Smart Bathroom system and method** which was published by Australian Government/ IP Australia. The patent was filed on 9th Feb., 2021 and published as per its file number 2021100780.
- **Dr. A. Sharaff**, Assistant Professor, CSE along with 3 other researchers filed a patent titled **A Vehicle Anti-Theft System and a Method Thereof**, which was published by the Australian Government, IP Australia. This was filed on 17th Mar., 2021 and published as per its file number 2021101396.
- **Dr. A. Sharaff**, Assistant Professor, CSE along with 7 other researchers filed a patent titled **IOT Based Gas Leakage Prevention System**, which was published by the Australian Government, IP Australia. The patent was filed on 27th Mar., 2021 and published as per its file number 2021101582.

PhD Thesis Defended

- **Ms. P. Chaturvedi** defended her PhD thesis titled *Characterisation of multidrug resistance and extended spectrum β lactamase producing bacteria from surface water: factors involved for resistance in the environment* on 16th Mar., 2021 under the supervision of **Dr. P. Gupta**, Associate Professor, Department of Biotechnology (DBT).
- **Mr. B. K. Chaitanya** defended his PhD thesis titled *Improved and Intelligent Protection of Distribution System Integrated with Distributed Generators* on 20th Apr., 2021 under the supervision of **Dr. A. Yadav**, Associate Professor, EE.
- **Mr. M. Manohar** defended his PhD thesis titled *Enhancing Reliability of Microgrids Using Machine Learning-Based Protection Techniques* on 22nd Apr., 2021 under the supervision of **Dr. E. Koley**, Assistant Professor, EE and **Dr. S. Ghosh**, Associate Professor, EE.
- **Ms. P. Nautiyal** defended her PhD thesis titled *Design and Analysis Improved Superjunction Power MOSFETs with Optimized Parameters* on 9th May, 2021 under the supervision of **Dr. S. Verma**, Professor, ECE and **Dr. A. Naugarhiya**, Assistant Professor, ECE.
- **Mr. R. Nimmakayala** defended his PhD thesis titled *Reactive Extraction of Trans-Aconitic Acid* on 9th Jun., 2021 under the supervision of **Dr. D. Pal**, Assistant Professor, DCE.
- **Ms. T. Bucha** defended her PhD thesis titled *Magnetic Effect on Creeping Flow Past and Within Particles* on 15th Jun., 2021 under the supervision of **Dr. M. K. Prasad**, Assistant Professor, Department of Mathematics.
- **Mr. G. B. Kshirsagar** defended his PhD thesis titled *Improving Performance of Devanagari Script Input-Based P300 Speller using Deep Learning* on 17th Jun., 2021 under the supervision of **Dr. N. D. Londhe**, Associate Professor, EE.

Research Projects

- A project titled: **In situ application of a Microbial Peroxide producing cell for oxidative depolymerisation of lignin and its subsequent valorisation** by **Dr. P. Gupta**, Assistant Professor, DBT has been sponsored by *SERB-DST* for 3 years amounting Rs 39,05,264.

Students' Corner

- **Team Indic** of NIT Raipur was **2nd Runners' Up** at the **ZS Campus Beats Case Challenge 2021**. The team members were **V. R. Swarnkar**, 6th sem., DMME, **Shashwat Awasthi**, 6th sem., CSE, **Veethika Sharma**, 6th sem., DCE, and **Rishabh Sachar**, 6th sem., DMME. All the team members of **Indic** are also eligible for the Pre-Placement Offers (PPO) that was conferred by the **ZS Associates**. Six more teams from NIT Raipur have featured in the top 150 list of this.
- Students of NIT Raipur developed an application name **Abhyahas** for online studies with the motto of **knowledge for all** through which one can obtain knowledge from their college seniors, professors and various other e-resources. **Team Abhyahas** consists of **M. Sriram**, ECE, **KVSM Ganesh**, ECE, **B Sarishma**, DCE and **A. Sai Charan Reddy**, CE. The software was developed with the motive of making e-learning more accessible to everyone; it is now available on Google Play Store.
- **Christi S Mathai** B. Tech., 6th sem., DME won **1st position** and prize money of Rs. 3000/- at a **Paper presentation event in NIT Surathkal** from 5th to 6th Mar., 2021.
- **Praveer Pandey**, 8th sem., DME has been awarded **John Sidney Marshall Memorial Scholarship** along with an award of US \$1000 by the Society of Mining Metallurgy and Exploration. This award was globally given to 13 selected students from the background of Mining Engineering. The award ceremony was held in **Phoenix, USA** on 5th Mar., 2021.
- **Purva Verma, Shivani Choudhary** and **Shivam Chandrakar**, 4th sem., DME won **2nd position** and prize money of Rs. 2000/- for the presentation of their **Case Study in NIT Surathkal** from 5th to 6th Mar., 2021.
- **Shumela Naz**, 4th sem., DME won **2nd position** and prize money of Rs. 2000/- in a **quiz conducted in NIT Surathkal** on 5th and 6th Mar., 2021.
- **Anushk Hansraj** and **Ankit Kumar Patel**, 8th Sem., DMME secured the Top 10 list of **Mind Over Matter (MOM)**, which was an annual innovation challenge conducted by **Tata Steel**. They worked on the topic *Estimation of Dislocation Density for Complex Steel Microstructures* and presented their work in the Tata Steel competition.
- The team comprising of **Chaitanya Wankhade** and **Gourav Kumar Dewangan**, 8th Sem., DMME secured the Top 10 list of **Mind Over Matter (MOM)**, an annual innovation challenge conducted by **Tata Steel**. They worked on the topic *Synthesis of High Purity Amorphous Nano Silica from Industrial waste* at the competition.
- The team comprising of **Chandan Kumar** and **Arpit Agrawal**, 8th Sem., DMME made it to the Top 30 list of **Mind over matter (MOM)**, an annual innovation challenge conducted by **Tata Steel**.
- **Team C.A.G.A** from NIT Raipur secured the first position in the **National Engineering Industries Idea Factory 2021**, which was organised by **NBC**



Bearings. Chaitanya Wankhade, Arpita Shrivastava, Gourav Kumar Dewangan and Ashwini Vaishampayan, 8th Sem., DMME, were among the eight finalists selected out of more than 200 teams from all over India. Due to the ongoing pandemic, the Grand Finale was held virtually and the Team C.A.G.A stood first, winning a cash prize of Rs 1, 50, 000, exciting goodies, certificate of appreciation and also pre-

placement opportunities in the future. The topic of the project assigned to them was **Digital Marketing: Unlock value for NBC** in which they focused on external and internal branding separately to target the audience and calculate the expenditure. They came up with the idea of **DhvaNEI**, a voice assistant facility by which a unique commercial content of the company can be televised to target the clients.

• **Ch. D. Prasad**, PhD part-time scholar, EE bagged the **Indian Geotechnical Society-Delhi Chapter YGE Award** for the **Best Paper** entitled *New Prediction Models for Compressive Strength of GGBS Based Geopolymer Clays Using Swarm Assisted Optimization-P* authored by T. V. Naga Raju and **Ch. D. Prasad** at the **Computational Geomechanics International Conference 2020**.

Club/Committee Activities

IG NITRR Motosports Club shines at Sae E-Baja 2021



Team IG NITRR of NIT Raipur secured the overall 7th position at the prestigious **SAE E BAJA 2021**, in which they bagged the 2nd position in the Manufacturing event which was virtually conducted this year. The focus of the competition was on the challenges of design and its validation without building the prototype vehicle. **Shreyash Royzada**, Captain, **Team IGNITRR** and **Abhinav Mishra**, Vice-Captain, **Team IGNITRR** led the team at the event. The team received enlightening guidance from **Dr. S. P. S. Matharu**, Professor, DME, and **Dr. S. Bhowmick**, Associate Professor, ME and **Dr. S. Vaidya**, AWS, Workshop. The other team members were **Aayush Paikra**, **Abhaya Shankar**, **Amber Agrawal**, **Aniket Kumar Sahu**, **Anmol Agrawal**, **Apoorva Banerjee**, **Arnav Jha**, **Ashutosh Bagade**, **Churendra Kurrey**, **G. Vahini**, **Gyanendra Sinha**, **Harshit Anil Jain**, **Jyotirmoy Ghosh**, **Keshav Kishor**, **Kritika Yadav**, **Priyanshu Agrawal**, **Rashi Sahu**, **Rohan Agrawal**, **Ronak Bhatia**, **Saket Tupkari**, **Saurabh Kadam**, **Shantanu Jain**, and **Sujeet Barsale**.

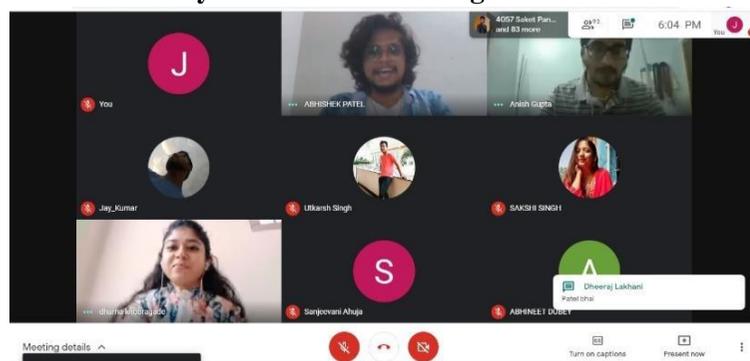
World Environment Day

Go Green NIT Raipur organised a series of events under the guidance of **Dr. D. C. Jhariya**, Professor In-charge, **Go Green NIT Raipur** on the occasion of **World Environment Day** on 5th Jun., 2021. The **Online Quiz Event** and the **Meme Making Event** were organised based on themes of environment and COVID-19.

Unkahi 13.0 Organised

Abhinav-The Dramatics Club virtually organized an open microphone session named **Unkahi 13.0** on 2nd May 2021. The event led the performers to embrace their inner artists in mainly

four forms- poetry, storytelling, singing, and stand-up comedy. It was organized under the guidance of **Dr. G. Bhatt**, Professor In-charge, **Abhinav** and coordinated by **Sanjeevani Ahuja**, Head Coordinator, along with core members: **Anish Gupta**, **Abhineet Dubey** and **Dharna Khobragade**.



World Water Day

Student Chapter - Indian Water Resources Society (IWRS), **NIT Raipur** organized **E-Quiz** on occasion of **World Water Day** on 22nd Mar., 2021 on the theme *Valuing Water*. Under the Guidance of **Dr. G. D. Ramtekkar**, Head, CE. **Dr. Ishtiyaq Ahmad**, Faculty Advisor, **IWRS** organized the event. The main aim of the event was to bring awareness by learning the value of water in the life.

Single Use Plastic

Team NSS, NIT Raipur organized a program on **Elimination of Single Use Plastic** from 4th to 6th Apr., 2021 under which an awareness webinar, essay writing and poster designing competitions were conducted in online mode for the students. The event was organised under the guidance of **Dr. G. Bhatt**, Professor In-charge, **NSS**.

National Anti-Terrorism Day

NIT Raipur observed **National Anti-terrorism Day** on 21st May, 2021 by organizing a virtual pledge taking ceremony for the students, faculty and staff members. The Pledge was administered by **Dr. A. Khan, Registrar NIT Raipur**.

World No Tobacco Day

The institute also observed World No Tobacco Day on 31st May, 2021 with the theme of **Commit to Quit** by organizing a virtual pledge taking ceremony for the students, faculty and staff members. The event was organised under the guidance of **Dr. P. Diwan, Dean Student's Welfare**.

Alumni Achievement

Institute Alumni secured the top position in UPSC ESE-2020

The alumni of NIT Raipur demonstrated their talent and genius in the **All India Engineering Services Examination (ESE) 2020**, which is annually conducted by the **Union Public Service Commission (UPSC)**. In the final result of ESE-2020, which was announced by UPSC on 12th Apr., 2021, the meritorious Alumni of the Institute, who are excelled in ESE, are **Mrinal Dewangan** with **AIR-13 (2019/Civil)**, **Harishankar Choudhary (2019/Civil)** with **AIR-41**, **Navlesh Kumar (2013/Civil)** with **AIR-43**, **Manas Tripathi (2016/Civil)** with **AIR- 46**, and **Monendra Kumar Mahilange (2018/Civil)** with **AIR- 97**.

- **Mr. R. K. Gupta, IFS, (1984/Civil), President, Bhopal Chapter of Alumni Association of GEC-NIT Raipur** has been appointed as **Head of the State Forest Force, M.P.**

- **Mr. R. L. Rana, (1985/Mech)** is promoted to *Principal Chief, Materials Manager, the Central Railway Board, India.*
- The thesis titled **Adaptive Reuse of Stone Quarry by R.K. Verma, (2020/Arch.)** was adjudged as one of the 4 best theses across the country amongst 230 registered entries by **Daisaria Associates**, one of the prestigious architecture firms of India. The thesis was done under the guidance of **Mr. V. Agnihotri, Assistant Professor, Department of Architecture.**
- **Ms. D. Sachdeva (2003/Meta)**, won the Women Role Model in ER&D 2020 of XLP Customer Support Manager - GE Aviation, at the NASSCOM Engineering Excellence Award 2021.
- **Mr. H. Verma (1985/Mech)**, is appointed as **Chairman, Chhattisgarh State Electricity Regulatory Commission, Raipur.**
- **Mr. M. Arora (1987/Civil)** is appointed as **Commissioner, Railway Safety in the Commission of Railway Safety.**

OBITUARIES

NIT Raipur mourns the unfortunate and untimely loss of distinguished members of the NIT Raipur Family amidst the COVID-19 pandemic. They are truly missed and can never be forgotten. May their souls, rest in peace.



Dr. Kesari Verma, Associate Professor, MCA left for heavenly abode on 21st Apr., 2021.

Mr. S. P. Sahu, Sr Technician, CE left for heavenly abode on 15th Apr., 2021.

Mr. V. R. Bhosle, Retired Technical Assistant, CE left for heavenly abode on 15th Apr., 2021.

Mr. S. K. Sinha, Retired Lab Technician of GEC Raipur, & Daily Wage Staff of NIT Raipur Hostel left for heavenly abode on 26th Apr., 2021.

Mr. L. N. Sahu, Laboratory Assistant, IE&M laboratory, ME left for heavenly abode on 3rd May., 2021.

Dr. Kesari Verma.



Mr. S. P. Sahu,



Mr. V. R. Bhosle



Mr. S. K. Sinha



Mr. L. N. Sahu

Support To Covid Affected Students

Appeal

As our nation is hugely affected by the Covid-19 pandemic. A large number of families across the nation have lost lives of their near and dear ones. NIT Raipur family stands in solidarity with such covid -19 affected families and students of NIT Raipur. In this regard, NIT Raipur has created a donation fund namely "SUPPORT TO COVID AFFECTED STUDENTS" with the approval of the competent authority. The amount collected in this donation fund will be utilized to provide financial support for full/partial Academic Fee Payment of such students of NIT Raipur who have lost their earning parent in the Covid-19 pandemic.

It is hereby humbly appealed to all employees of the Institute to contribute generously onto this Donation Fund namely, "SUPPORT TO COVID AFFECTED STUDENTS". The benefits of Income Tax Exemption will be available to all donors, as per Section G and as applicable.

The link for Donation is:

<http://www.nitr.ac.in/donation.php>

OR

<https://forms.eduqfix.com/nitrdfform/add>

The employees who are willing to donate in Donation Fund namely "SUPPORT TO COVID AFFECTED STUDENTS" should clearly specify purpose of Donation under **Please specify your purpose of donation here** on the above link.

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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The payment may be made either online (<https://www.eduqfix.com/OnlineForms/nitrdfform/add>) or directly into the bank account of "NIT Raipur Donation Fund".

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