

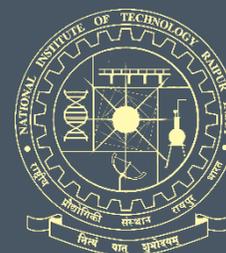


NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

# Mirror

VOLUME 2 ISSUE 2

Reflecting the True Spirit of NIT Raipur.



1 July 2019

## Institute News

### NIRF Ranking

**National Institute of Technology Raipur** has secured **74<sup>th</sup>** rank in the Engineering category of the National Institute Ranking Framework (NIRF) 2019. This marks an improvement of 7 ranks in comparison to the 81<sup>st</sup> rank in the year 2018. Further, NIT Raipur stands 17<sup>th</sup> among 31 NITs in India. The NIRF has been set up by Ministry of Human Resource Development (MHRD) to rank institutions based on the following parameters: Teaching, Learning and Resources, Research and Professional Practices, Graduation Outcomes, Outreach and Inclusivity and Perception. Each parameter was evaluated on scale of 100. The area of improvements have been identified by the Institute, which includes faculty recruitment, strengthening PhD program, introducing new PG programs and updating research infrastructure. The Institute is rapidly growing in all respects by creating better research, teaching and learning environment under the adroit guidance of **Dr. A. M. Rawani**, Director, NIT Raipur.

### Implementation of EWS reservation

In consonance with the order issued by Government of India for the implementation of 10% Economic Weaker Section (EWS) Reservation, NIT Raipur has decided to implement EWS reservation in two phases. First phase implementation for 2019-20 has been already carried out with an increase of 147 seats, wherein 121 seats in B. Tech./B.Arch., 11 seats in MCA and 15 seats in M.Tech.

### Academic Reform

NIT Raipur has adopted a set of academic reforms laid down after rigorous and extensive deliberations involving experts from industry and academia incorporating the recommendations of **Saraswat Committee** for modernization of scheme of teaching and syllabus. In line with this, the ordinance (academic rules and regulations) and curriculum has been modified for B.Tech., B.Arch. and M.C.A. programmes and have been approved to be implemented from the 2019-20 session onwards.

The academic reforms provide a paradigm shift from the subject centric approach of classical technical education to student centric one, keeping in view the requirements of the industry with emphasis on outcome-based

programs have been appended to the intake. Further, 147 seats under EWS reservation will be added in the second phase of implementation in 2020-21.



### Inauguration of Makers Space

To provide 24x7 facility to the students to work on their innovative ideas, prototypes and develop the culture of collaborative and interdisciplinary innovation, Chhattisgarh's first ever **Makerspace** was inaugurated at NIT Raipur by **Dr. A. M. Rawani**, Director, on 11<sup>th</sup> April 2019. The makerspace, stretched in a 3000 sq.ft. area has already established 20 working models including 3D printer and drone. Addressing the faculty members, PhD scholars and students, **Dr. A. M. Rawani** highlighted the objectives of the Makerspace.

### NBA Accreditation Extended

On the basis of compliance report, the validity of two UG programs *i.e.* Chemical Engineering and Mechanical Engineering was extended till June 2022. The National Board of Accreditation (NBA) team visited the Institute on 27<sup>th</sup> Feb 2019.

education. The previous academic structure has been replaced with a more flexible choice-based credit system (CBCS) in the revised curriculum and provides flexibility to the students in terms of opting for the courses in specialized domains of their choice along with branch specific core subjects. Also, a student can now choose to complete the requirements of the degree in his/her own pace by opting for a fast/slow learning mechanism. The fast learning can enable a student to opt for specialized courses of his/her choices over and above the minimum credit requirement.

Considering the feedback of different stakeholders and potential employers to transform theory-based curricula

to project/hands on training-based curricula, the revised scheme provides scope for pursuing a semester long industry sponsored internship in eighth semester. The scheme allows students to utilize effectiveness of MOOCs in providing object-oriented learning in specialized subjects irrespective of the geographical location. Two credit courses one on Value education and other on Yoga have also been introduced in first year as well. The

revised framework allows a student to transfer specific credits by completing a course from a reputed institute, having known expertise in the corresponding subject. It is anticipated that with reduction in the number of academic credits, the students of NIT Raipur will be able to indulge in meaningful co-curricular and extra-curricular activities as well in order to enhance their personalities.

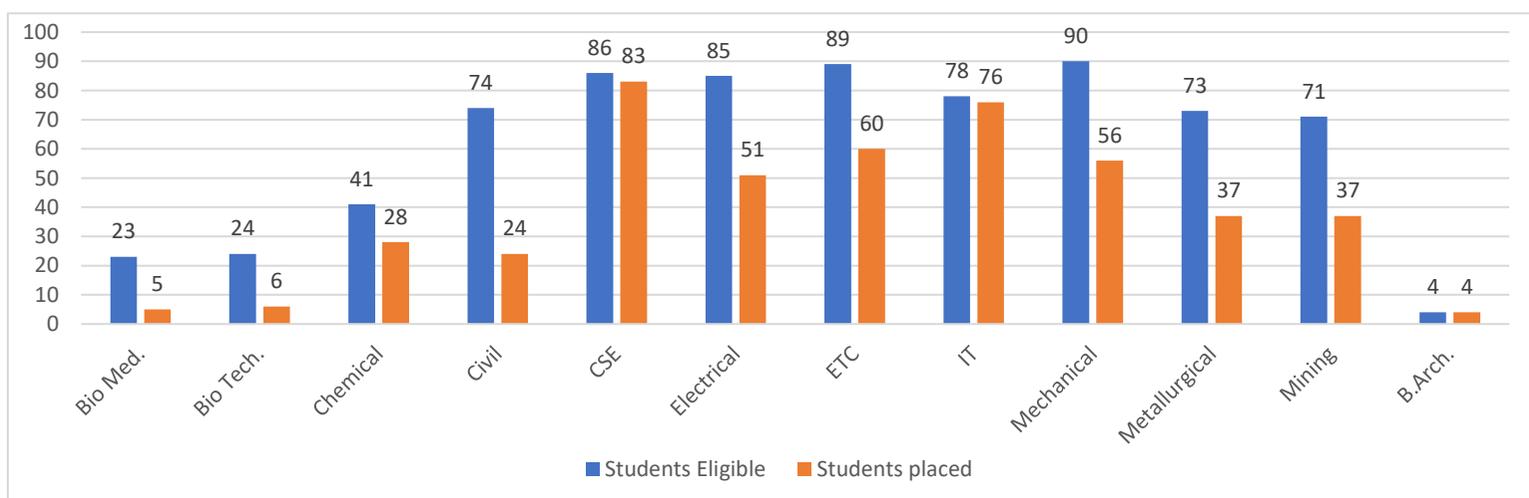
## Dr. Baldev Raj Memorial Lecture



First **Dr. Baldev Raj** Memorial Lecture on *The Excitement in Probing Materials at the Atomic Scale* was delivered by **Prof. B. S. Murty**, Professor, IIT Madras on 11<sup>th</sup> April, 2019. This series is initiated to commemorate **Padma Shri Dr. Baldev Raj**, one of the illustrious alumnus of 1969

batch of the Department of Metallurgical Engineering. He was the Director of National Institute of Advanced Studies Bengaluru and Indira Gandhi Centre for Atomic Research, Kalpakkam. **Dr. Baldev Raj** has immensely contributed towards *national energy policy, advanced materials, manufacturing processes and materials characterization*. He was President to *Indian Institute of Metals* and has been awarded prestigious national and international honors. The event was witnessed by **Prof. Rajesh Pathak** and **Prof. B. K. Agrawal**, retired faculty members of the Department who taught **Dr. Raj** at the undergraduate level. Ten Alumni of the batch of 1969 also joined the event. The students of the Department also interacted with **Prof. Murty**.

## Placement Report of Academic Year 2018-19



A total of **478** placement offers have been received by the eligible and interested students of 2018-19 batch: B.Tech. - **463**, B.Arch. - **04**, M.Tech. - **22** and MCA - **47**. The eligibility criteria were 1<sup>st</sup> division in 10<sup>th</sup> and 12<sup>th</sup> standards and current CPI of 6.0 and above, with no standing backlog. The department wise details of placement offer received by the eligible and willing B. Tech. students is shown in the bar chart. Students have received the placement opportunities from almost all the sectors *i.e.*, core engineering (including PSUs), software (IT industry) and business (analytics and consulting). Some of our prime recruiters are Oracle, CA Technologies, Samsung, Adobe, Amazon, UnitedHealth Group, Deloitte, Wipro, Infosys, Cognizant, Capgemini,

Tata, Reliance, L&T, Vedanta, HMEL, BORL, Coal India, BPCL, TVS Motors and FIAT.

### MoU with IEEE Bombay

A Memorandum of Understanding (MoU) has been signed between **NIT Raipur** and **IEEE Bombay Section (IEEE - MCE, USA)** for organizing the annual IEEE Sponsored International Conference on *Power, Control and Computing Technologies (ICPC<sup>2</sup>T)* with conference record #48082 during 3<sup>rd</sup> - 5<sup>th</sup> Jan., 2020. This international conference will be first of its kind in the state of Chhattisgarh as the proceedings of the conference will be accessible worldwide through IEEE-Explore database. The event will be attended by renowned scientists and researchers across the globe.

## Academic Activities

### Conference/ STTPs conducted

#### 1<sup>st</sup> International Conference on *Crystal Engineering: From Molecule to Crystal*



Department of Chemistry, NIT Raipur with the financial support of the **Indian Crystallographic Association (ICA)**, **Science and Engineering Research Board (SERB)**, **Department of Science and Technology (DST)**, India organized the first two-day International Conference on *Crystal Engineering: From Molecule to Crystal* from 30<sup>th</sup> - 31<sup>st</sup> Mar., 2019. The organizing secretaries were **Dr. K. A. Siddiqui** and **Dr. S.P. Mahapatra**. The chief guest was **Dr. A. M. Rawani**, Director, NIT Raipur and the guest of honour was **Prof. G. R. Desiraju**, Former President, IUCr. In his welcome address, **Dr. Rawani** pointed out the importance of the international conference on exclusive research topics. Seventy participants from India and neighbouring countries attended the conference. A two-day program included two-plenary sessions with a broad range of content, which were addressed by **Prof. G. R. Desiraju** and **Prof. Edward R. T. Tiekink**, *Sunway University, Malaysia*. The conference contained four keynotes, which were delivered by eminent scientists: **Prof. K. Biradha**, Associate Editor *Crystal growth & Design*, *IIT Kharagpur*, **Prof. C. M. Reddy**, *IISER Kolkata*, **Prof. K. Chainok**, *Thammasat University, Thailand* and **Prof. R. Vaidyanathan**, *IISER, Pune*.

#### National Conference on Challenges and Opportunities in Indian Industries

Department of Metallurgical and Materials Engineering, NIT Raipur in collaboration with the **University of Warwick, England** and **Vedanta Limited, Jharsuguda** with the financial support of the **Royal Academy of Engineering, UK**, organized a two-day National Conference on *Challenges and Opportunities in Indian*

*Industries* on 12<sup>th</sup> - 13<sup>th</sup> April 2019. The keynote speakers on the first day were **Dr. A. K. Prasad Rao**, *BML Munjal University*, **Dr. S. Vadakke**, *NIT Jaipur*, **Dr. K. R. Ravi**, *IIT Jodhpur* and **Mr. N. Singh**, *General Manager, Jayaswal Neco Industries, Raipur*. Addressing the participants, the keynote speakers exclusively described details on the direct chill casting, the potential of an Al-Ti-MgAl<sub>2</sub>O<sub>4</sub> master alloy, and developmental challenges in the manufacturing of ferrous and non-ferrous alloys. The keynote lectures were followed by paper presentations by PhD scholars and M.Tech. students. The second day of the conference included three keynote lectures, that were delivered by **Mr. A. Hyde**, *ex-DGM, Tata Refractory, Jamshedpur*, **Mr. N. Chawda** and **Mr. S. Singh** of *Bhilai Steel Plant*. The lectures were followed by a poster presentation of UG students. The event was concluded with the closing ceremony, prize distribution and vote of thanks by **Dr. S. Das**.

#### ICEE-2019: National Conference

Department of Chemistry, NIT Raipur organized a **National Conference on Innovation in Chemistry and Environmental Engineering (ICEE-2019)** on 29<sup>th</sup> April 2019. The programme was inaugurated in the presence of **Prof. (Mrs.) L. Cindrella** from Department of Chemistry, NIT Trichy, **Prof. (Mrs.) S. Gupta**, **Prof. (Mrs.) F. Khan**, **Dr. S. P. Mahapatra**, **Dr. (Mrs.) K. Tapadia** and **Dr. (Mrs.) T. Maharana**. Participants from all over India have presented their research papers and posters on current issues of Chemistry and Environmental Engineering. Three best poster awards have been given to **Mr. Tushar Kant**, **Dr. Prateek Jagtap** and **Mr. Ch Chandra**.

#### STTPs

- A one-week STTP on **Power Electronics for Green Energy** during 6<sup>th</sup> - 10<sup>th</sup> Mar., 2019 was organized **Dr. V. Singh** and **Dr. S. Patnaik**, Assistant Professors, Department of Electrical Engineering.
- A one-week STTP on **Advances in Mechanical, Industrial Engineering and Management** was conducted by **Dr. S. K. Mukti** and **Dr. Jagadish**, Assistant Professors, Department of Mechanical Engineering during 9<sup>th</sup> - 13<sup>th</sup> Apr., 2019.
- A one-week STTP on *Emerging Research Trends in Chemical and Environmental Technology* was conducted by **Dr. J. Anand Kumar** and **Prof. A. B. Soni**, Department of Chemical Engineering from 6<sup>th</sup> - 10<sup>th</sup> May 2019.

### Faculty Achievement



- **Dr. A. K. Dash**, Assistant Professor, Department of Mining Engineering, has been awarded by **Shri O. P. Singh**, Director, P&P, MCL for his keynote lecture on *Obligation of contractors in safety and health management at work vis-à-vis role of principal employer thereof in coal industry* on 27<sup>th</sup> May 2019 at MCL, HQ, Burla, Sambalpur organized by ISO, MCL.



• **Dr. A. M. Rawani**, Director, NIT Raipur has been invited as the guest of the week by Navabharat. There he talked on the challenges faced

by the institute in the journey from GEC to NIT. He also emphasized on the Academic Reform, its features and its implementation.

• **Ar. D. Sanyal**, Head, Department of Architecture has been elected as the chairman of the **International Leadership Development Council (ILDC)**, Chhattisgarh Chapter.



• **Prof. M. D. Patel**, Associate Professor, Department of Mining Engineering, has been invited by

Doordarshan to present his view on *Career Opportunity for Youth in Chhattisgarh*. This program was broadcasted on 23<sup>rd</sup> Mar., 2019.

### Lecture by Eminent Researchers

- **Prof. G. R. Sinha**, Alumnus of NIT Raipur, Myanmar Institute of Information Technology (MIIT) delivered an expert lecture on *Developing Employability Skill Using ICT in the Short-Term Training Program (STTP) on Java Programming and its Application*, which was organized by the **Department of Information Technology**, NIT Raipur from 17<sup>th</sup> - 21<sup>st</sup> Apr., 2019.

### Lecture by Institute Faculty

- **Prof. S. L. Sinha**, Department of Mechanical Engineering, NIT Raipur delivered lectures on *Ease of Doing Work at Workplace: A Case Study/Survey in Delhi NCR*, and *Women and Work Place Environment in the STTP on Women in Technology: Employment and Life Skills* during 11<sup>th</sup> – 15<sup>th</sup> May, 2019 at NIT Raipur.

## Research Frontier

### Consultancy Projects

The following consultancy projects have been carried out by Department of Mining Engineering:

- Waste dump slope stability analysis at Aridongri Iron Ore Mine, GPIL (HIRA Group), Raipur worth **Rs. 5.90 Lakhs**.
- Waste dump slope stability analysis at Boria Tibbu Iron Ore Mine, GPIL (HIRA Group), Raipur worth **Rs. 5.90 Lakhs**.
- Scientific study for method of working and design of dump as per the provision in regulation no. 106(2) of CMR 2017, Bhatgaon Area, SECL, Bilaspur worth **Rs. 10.03 Lakhs**.
- Internal Recruitment Process, MOIL, Nagpur, worth Rs. 2.36 Lakhs.
- Recovery test study of Kawrdha and Main Part Bauxite Mines of BALCO, Korba worth **Rs. 2.95 Lakhs**.

### PhD Thesis Defended

- **Mrs. Apeksha Gutpa** defended her PhD thesis *The Effect of Additives on Germanium Polishing Removal Rate in Chemical Mechanical Planarization with Various Abrasives* on 21<sup>st</sup> June, 2019 under the supervision of **Dr. R. Manivannan**.

### Funded Projects

- Project titled *Islanding Detection in Integrated Hybrid DG System* by **Ms. Ruchita Nale**, PhD Scholar and Offline testing of adaptive reclosing technique for providing uninterrupted power supply to microgrid system by **Ms. Ruchi Chandrakar**, M.Tech. Scholar, Department of Electrical Engineering, NIT Raipur; **Dr. Monalisa Biswal**, Assistant Professor, Department of Electrical Engineering; **Dr. Nand Kishor**, Professor, Department of Electrical Engineering, MNNIT Allahabad and **Dr. Malabika Basu**, Senior Lecturer, Dublin Energy Laboratory, Dublin has been funded by EriGrid Transnational Agency, SGT Laboratory, Spain. **Ms. Ruchita Nale** and **Ms. Ruchi Chandrakar** have visited the SGT Laboratory from 17<sup>th</sup> June to 6<sup>th</sup> July 2019.

- **Mrs. Yogita Weikey** defended her PhD thesis *Effect of Natural Gums on Rheology of Water Based Drilling fluids : An Experimental Study* on 22<sup>nd</sup> April, 2019 under the supervision of **Dr .S. L. Sinha** and **Dr. S. K. Dewangan**.

## Students' Corner

### Students' Achievement

- **Ms. Ria Talariya**, 8<sup>th</sup> semester, Department of Architecture, NIT Raipur has been awarded the **Minhas Memorial Award** for the **best Architectural Thesis-2019** by **Desbandhu Newspaper** in May 2019.
- **Ms. Mridual Yadav** 10<sup>th</sup> semester, Department of Architecture, NIT Raipur has scored the **first rank** amongst top 8 shortlisted candidates for the post of **Scientific officer Architecture (2019)** by **Indian Space Research Organisation, Bangalore**.

- **Ms. Ria Talariya** and **Mr. Ritesh Tiwari**, 8<sup>th</sup> semester Department of Architecture, NIT Raipur received first and second **best architectural thesis** award respectively from **SPACON India Pvt. Ltd.** at NIT Raipur with first prize of ₹25,000/- and second prize of ₹15,000/-.
- **Mr. Ankit Sharma**, **Mr. Surya Prakash Sun** and **Mr. Gaurav Sinha** got paid internship offers for two months in TATA Steel (₹ 10000 per month) and **Mr. Suyash Sinha**,

**Mr. Indransh Bhadauria**, **Mr. Mohit Rai** and **Mr. Rahul Kumar** in Vedanta Resources Ltd. (₹ 15000 per month).

- **Mr. Vikas Kumar** and **Mr. Ayush Shandilya**, student of final year got selected in **IIM Ahmedabad** and **IIM Udaipur** for MBA Program whereas **Mr. Eesh Jain** and **Mr. Aman Agrawal**, final year students got selected in **IIM Kashipur**.

## CAT 2019 Result:

Name/Branch	Percentile
<b>Mohit Sharma (Mechanical Engineering)</b>	99.24
<b>Pratyush Sharma (Mechanical Engineering)</b>	96.84
<b>Som Samantray (Chemical Engineering)</b>	96.13
<b>Sandeep Pandey (Mechanical Engineering)</b>	94.98
<b>Ronak Pani (Mechanical Engineering)</b>	90.80

## Students' Visit

- Department of Mining Engineering in association with SME, NIT Raipur students' chapter conducted an industrial visit to J. K. Lakshmi Opencast Limestone Mines, Kumhari Chhattisgarh on 28<sup>th</sup> March 2019. The field trip saw a participation of over **60 students** under the guidance of **Dr. Ashish Dash** (Faculty Advisor) and **Dr. D. C. Jhariya**.
- Department of Mining Engineering in association with SME, NIT Raipur Chapter organized a Pre-Industrial Training session for the students of 2<sup>nd</sup> and 3<sup>rd</sup> year on 14<sup>th</sup> May 2019, who are going for industrial training in the upcoming month. The session was started by **Dr. Ashish Kumar Dash** (Faculty Advisor), then various inputs regarding the same were given by **Mr. Rajnikant Kumar** (Vice President) and **Mr. Ankit Sharma** (Technical Head) of SME, Department of Mining Engineering.

SVNIT Surat from 28<sup>th</sup>-31<sup>st</sup> March 2019. The students met the *Director*, SVNIT Surat and discussed about the heritage and culture of Gujarat and Chhattisgarh. The students of the dramatics club of the SVNIT Surat organised a meeting on the discourse of Gujarati and Chhattisgarhi music & theatre. They visited National Science Museum, Aquarium & Zoological park to understand the diversity of Gujrat. They participated in **Pukaar** - a fest organised by SVNIT as the annual function of children who are taught throughout the year by the SVNIT students under *Each one teach one* initiative.



- As a part of the celebration of 150 years of Mahatma Gandhi's Birth anniversary under **Ek Bharat Shrestha Bharat Programme**, 5 students of NIT Raipur, visited



- M.Tech. students of **Department of Electrical Engineering** visited **PGCIL Kumhari Grid 400/220/132 kV Grid S/S** under the mentorship of **Dr. M. Biswal** and **Dr. B. Shaw** on 14<sup>th</sup> Apr., 2019. The visit provided the students practical exposure about the Power and Protection Systems.

## Club/Committee Activities

### Entrepreneurship Cell



**Entrepreneurship Cell**, NIT Raipur organized a one-day innovative conclave *Innovation Manthan* in collaboration with **MHRD Innovation Cell** on 30<sup>th</sup> Mar., 2019. The event was graced by **Dr. S. Bajpai**, Head of Career Development Cell, NIT Raipur, **Dr. S. Gupta**, Faculty I/c, Innovation Cell, **Dr. S. Ganguly**, Assistant Professor, Department of Metallurgical Engineering, **Dr. R. N. Patel**, Faculty I/c, E-cell, NIT Raipur. The event comprised of an Innovation Expo and a design thinking workshop, which were conducted by **Ms. D. Kaushal**, an Independent Design Consultant.

### Student Chapter for SME

**Department of Mining Engineering**, NIT Raipur has been elected as a student chapter for **Society of Mining Metallurgy and Exploration** on 5<sup>th</sup> Apr., 2019 and joined the list of IIT (ISM), IIT KGP and IIT BHU as SME student chapter. The student chapter has been established under the guidance of faculty advisor **Dr. P. Dewangan** and **Dr. A. K. Dash**. The membership benefits include a free

subscription to Mining Engineering magazine covering publications of the global mineral industry, peer-reviewed technical articles, news and regular columns by experts, unlimited access to the online library in Mining and Minerals with over 130,000 books, papers and conference proceedings, to mention a few.

### Utkarshan 2019



**Department of Metallurgical Engineering**, NIT Raipur conducted the Departmental Fest, **Utkarshan** on 14<sup>th</sup> Apr., 2019. Various events like

**Metallomania**, **Zetosi Tech** and **Meta quiz** etc. were conducted in the fest. The fest concluded with **toppers talk**, where valuable insights into the future prospects in the field of Metallurgical Engineering were discussed.

### Dramatics Club



**Abhinay** -The Dramatics Club, NIT Raipur organized **Nojoto** -an open mic session, as a platform for open-expression, on 14<sup>th</sup> Apr., 2019. The event witnessed over 50 participants across all age groups performing *stand-up poetry and song compositions*

based on thematic components of patriotism, love etc. The club also launched its video in association with **Oxfam** on the students' opinion on Lok Sabha elections on 19<sup>th</sup> Apr., 2019.

## Other Activities

### Two Week Summer Internship Program for VEC Lakhapur students



The Summer Internship program was conducted for **58 students from VEC Lakhapur** under *twining arrangement* at NIT Raipur under TEQIP-III from 10<sup>th</sup> – 14<sup>th</sup> Jun., 2019. Student were divided in four groups and laboratory sessions were arranged in Workshop, Engineering Mechanics laboratory, Basic Electrical Engineering laboratory and Basic Civil Engineering

laboratory, apart from morning yoga sessions. Two hours lecture cum demonstration session was also arranged by click club volunteers on photography on the last day.

### Faculty Superannuation



**Prof. Anant Prabhakar Rajimwale** superannuated on 31<sup>st</sup> May 2019 after **32 years of distinguished service** to the Institute. He graduated from

Government College of Engineering and Technology (GCET) Raipur, in 1977 and joined this Institute (the then Government Engineering College (GEC) Raipur) on 15<sup>th</sup> April, 1987. He served in various academic and administrative responsibilities, including the Head of

Department, Metallurgical Engineering, Dean (Student's Welfare), Dean (Faculty Welfare), Member-Board of Governors, Examination Superintendent and Member-State Expert Appraisal Committee on environment (State of Chhattisgarh). He has been bid farewell on 17<sup>th</sup> May, 2019 with deep sense of reverence and gratitude by the Institute.

## Sapling Plantation Drive



A sapling plantation drive was conducted with the motive to combat air pollution and promote sustainable development on 5<sup>th</sup> Jun., 2019 under the flagship program: **Unnat Bharat Abhiyan (UBA-2.0)** in collaboration with Indian Society of Heating, Refrigerating and Air Conditioning (ISHRAE). The event was graced by **Dr. P. Diwan**, *Dean Student Welfare*, NIT Raipur, **Dr. S. Pandey**, *Regional Coordinator of UBA*, **Ar. D. Sanayal**, *Head Department of Architecture and Chairman ISHRAE Raipur Chapter*, **Dr. G. Bhatt**, *Asst. Professor*, **Dr. V. Agrawal**, *Asst. Professor*, NIT Raipur. 32 colleges across 27 districts of Chhattisgarh participated in this drive.

## Voters Awareness Campaign



To bring awareness and to encourage maximum polling in Lok Sabha elections in Raipur, district voter's awareness campaign **Matdata Jagrug Karyakram** was organized from 3<sup>rd</sup> – 12<sup>th</sup> Apr., 2019 under able

## Yoga Activities

### International Yoga Day



The *International Yoga Day* was celebrated on 21<sup>st</sup> Jun., 2019. It commenced with *practice session* by

Yoga faculty **Mr. S. Nishad** followed by *Deep Prajjwalan*. **Dr. M. Shukla** elaborated upon various benefits of yoga. Various *Asanas* were demonstrated in dance form along with music by **Ms. R. Chandrakar**. Yoga practitioners including **Dr. D.C. Jhariya**, *Assistant Professor*; **Smt. J. Dhekne** and **Dr. P.Y. Dhekne**, *Registrar*, NIT Raipur shared their experience of overcoming physical ailments during the 6-month Yoga camp. **Dr. S. Bajpai**, **Dr. S. Sanyal** and **Dr. S. Verma** also shared their experience and

guidance of **Dr. Prabhat Diwan** (SVEEP Nodal Officer) and programme coordinators **Dr. Sadhana Agrawal**, **Dr. Ayush Khare** and **Dr. Sanjay Kumar**. Various activities such as Quiz, Rangoli, Essay and Slogan writing competitions were organised.

## Anti - Terrorism Day



NIT Raipur observed the Anti-Terrorism Day on 21<sup>st</sup> May 2019, which commemorates the death anniversary of former *Prime Minister Mr. Rajiv Gandhi*. The Institute, under the guidance of **Dr. A. M. Rawani**, *Director*, NIT Raipur took a pledge to shun violence and to combat terrorism.

## World No Tobacco Day



NIT Raipur observed the **World No Tobacco Day** (WNTD) on 31<sup>st</sup> May 2019. This year the focus of No Tobacco Day is on protecting lungs health. **Dr. A. M. Rawani**, *Director*, NIT Raipur led the faculty members, students and staff in taking a *pledge not to use tobacco* in any form. He also deliberated on the problem of smoking, which is the leading cause of preventable deaths worldwide. Every year WNTD is observed to raise awareness about the deadly effects of smoking and tobacco use on human health.

motivated the participants. The event concluded with vote of thanks followed by *Sankalp and Shanti Paath*.

## Yoga Workshop



**Department of Humanities and Social Sciences**, NIT Raipur organized Yoga Workshop from 26<sup>th</sup> Nov., 2018 to 30<sup>th</sup> Jun., 2019 with an aim to train the enthusiastic participants from the institute under the guidance of **Dr. Manju Shukla**, **Mr. Suraj Nishad**, **Mr. Lomash** and **Ms. R. Chandrakar**.

## Alumni Achievements



• **Mr. A. M. Nashine** (1990 batch: Mechanical Engineering) has been elected as a Fellow of **Institution of Mechanical Engineers (IMEchE) United Kingdom**. As a panel member of IMechE, Head office, London, he conducted the **Professional Review (PRI) or Professional Engineers, Incorporated Engineer and Chartered Engineer (CEng)**, which are affiliated to our Institution.



• **NIT Raipur alumnus Mr. S. Mehta** (2019 batch: Electronics and Telecommunication Engineering) has published a book titled *Hands-On Deep Learning Architectures with Python*, **Pocket Publication Ltd. (U.K)** on 30<sup>th</sup> Apr., 2019. This book is currently receiving good response from India and Europe in *Amazon*.



• **Mr. A. Neemuchwala** (1990 batch: Electronics and Telecommunications Engineering) has been appointed as *Managing Director, Wipro Limited*. He has been serving as the *Chief Executive Officer (CEO) of Wipro since Feb. 2016*.



• **Mr. Archit Ojha** 2016 Biomedical Engineering has achieved the unique feat of reviewing 104 books in 80 days. He has been ranked 6<sup>th</sup> on the popular website *Goodreads*, ahead of lakhs of other reviewers.

## Appeal for Contribution to the Institute: Chairman, ARRG Cell

Since its establishment in **1956**, the Institute has been determinedly serving and maintaining steady progress to achieve a unique feat in the highly sophisticated area of engineering and technology by preparing the seasoned graduates, empowering the technocrats, and contributing to the growth of knowledge economy of our nation. To focus on **cutting-edge multidisciplinary and frontier areas of engineering and technology innovation-based research continuous efforts and strong financial support** from Alumni, Faculty members, Students and all Well Wishers is needed. All the stakeholders of the Institute have a major role in **building financial-corporus** to support various teaching and research infrastructures, and other allied facilities for the welfare of students.

With all sincerity, earnestness and commitment to urge to support for this academic noble-cause, NIT Raipur appeals to all Alumni, Faculty Members, Students and Well Wishers for their maximum possible financial contribution to the Institute. **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.**

Apart from the generic purpose of donation to "**NITRR Donation Fund**", NIT Raipur has also categorised and specified the innovative and developmental projects under which all the stakeholders can directly maximise their financial support for the growth and progress of this unique Institute. **Details of projects and required amount** are given here for your kind, hearty and generous financial supports:

### A. Development of infrastructure

S. No.	Project/Proposal	Brief regarding the proposal	Proposal by	Amount (INR)
1	Classroom complex building	Shortage of classrooms with the increase in capacity of students has become essential	Dean (P&D)	50,00,000.00
2	Renovation of gardens	Most gardens in institute needs renovation and beautification to increase green area in the campus	Dean (P&D)	15,00,000.00

### B. Corpus fund generation\*

S. No.	Project/Proposal	Brief regarding the proposal	Proposal by	Targeted Amount (INR)
1	Dr. Baldev Raj Memorial Lecture Series Corpus fund	Remembering the contribution of Dr. Baldev Raj to this nation, every year lecture will be delivered by eminent	Dept. of Metallurgical and Materials	10,00,000.00

		persons to share their expertise	Engineering	
2	Mining Engineering corpus fund	The fund is to be utilized for training, workshop, conferences and invited lectures	Dept. of Mining	10,00,000.00
3	Student support corpus fund	The fund will be utilized for supporting economically weak as well as meritorious students	Dean (Student Welfare)	50,00,000.00

\*Interest accrued from the corpus fund will be utilized for the above proposals

### C. Academic Up gradation for excellence

S. No.	Project/Proposal	Brief regarding the proposal	Proposal by	Amount (INR)
1	Coal testing laboratory	Upgraded coal testing facility is essential as region of Chhattisgarh is well known for coal mines	Dept. of Chemical Engineering	12,00,000.00
2	Development of micro grid system fed from renewable energy sources	With the importance given to various renewable energy sources and its integration of different kinds of such sources, working on micro grid system has become imperative.	Dept. Of Electrical Engineering	10,00,000.00
3	Growth chamber for Plant tissue culture	Beneficial for different plant related research such as genetics and plant breeding, entomology, plant pathology, photosynthesis etc.	Dept. of Biotechnology	7,00,000.00
4	GIS and Image processing laboratory	Application of geospatial technology has become an integral part of architectural domain. Government of India has also mandated the use of geospatial technology for different developmental projects	Dept. of Architecture	9,40,000.00
5	Intelligent system development for assistance and support	Development of a bundle of intelligent assistive technology system for various sectors. Focus will be on low vision or visually impaired persons, surveillance bots and brain-controlled wheel chair etc.	Dept. of Computer Science and Engineering	8,00,000.00
6	Thin film deposition laboratory	Thin film devices have applications in sensors, solar energy conversion, telecommunication, artificial retina, lithium batteries, military optics and coatings etc.	Dept. of Electronics and Communications	10,00,000.00
7	Biomedical signal and medical image processing laboratory	The department has collaborative work with AIIMS and different hospitals at Raipur. Medical image processing has become an important tool for the health care sector	Dept. of Biomedical Engineering	10,00,000.00
8	Development of Computational and Simulation laboratory	Computational mathematics has taken a lead and has its applications in the various areas of engineering and technology. The fund will be utilized for up gradation of software and hardware	Dept. of Mathematics	10,00,000.00

## Recognizing Your Solicit Contribution and In-kind Support:

For this historic Institute, no amount of donation will be considered as a small amount. Your little amount of contribution, when combined with thousands of alma maters, will create a significant impact on achieving the common goal that we are aiming for. Your endowment is also solicited in terms of sponsoring specific activity and project, which will be recognized by the way of naming buildings, facilities, Chair Professorships, Scholarships, etc. after you or after someone whose memory you would want to be perpetuated. In addition, if you need any specific recognition or acknowledgement in response to your financial endowment, support and contribution, you can contact our “**Alumni Relations and Resource Generation Cell (ARRGC)**” in person, by mail ([chairman.arrgc@nitrr.ac.in](mailto:chairman.arrgc@nitrr.ac.in)) or by telephone (0771-2255617; 098260-51120).

## How to Contribute:

The payment may be made either online ([https://www.eduqfix.com/ OnlineForms/nitrdfform /add](https://www.eduqfix.com/OnlineForms/nitrdfform/add)) or directly into the bank account of “**NIT Raipur Donation Fund**”.

Name of the Account: NIT Raipur Donation Fund

Account Number: 50100254910087

Name of the Bank: HDFC Bank, Tatibandh Branch, Raipur

IFSC Code: HDFC0003692

If you have a choice under which your contribution will be exclusively used for a specific project as specified in the tables (A, B & C), the details should be emailed ([chairman.arrgc@nitrr.ac.in](mailto:chairman.arrgc@nitrr.ac.in)) or posted to me: **Dr. Bidyut Mazumdar**, Chairman, Alumni Relations and Resource Generation Cell (ARRGC), Department of Chemical Engineering, G. E. Road, National Institute of Technology Raipur, Chhattisgarh-492010. I thank you in anticipation and shall remain profoundly indebted to you for your kind contribution. In addition to the financial contributions, I welcome your ideas, valuable suggestions and active participants that can enhance and enrich the resource generation of the Institute.

## Academic Calender

For all students except those of First Year	
Institute Re-opens on	1 Jul, 2019
Semester Registration	2, 3, 4, 5 Jul, 2019
Commencement of classes	8 Jul, 2019
First Exams on	13, 14, 16 Aug, 2019
Short attendance and unsatisfactory sessional notice to concerned students/parents	20 Aug & 30 Sep, 2019
Mid Semester break (only for students)	5 Oct to 13 Oct, 2019
Second Exam on	1, 3, 4 Oct, 2019
Declaration of provisional detention list	30 Sep, 2019
Last date for submitting appeal by students against detention	03 Oct, 2019
ECLECTIKA / AAVARTAN & SHRUTI	14, 15 Sep, 2019
SAMAR	13, 14, 15 and 16 Dec, 2019
Declaration of final detention list	28 Oct, 2019
Classes ends on	31 Oct, 2019
Student Feedback Activity	24 Oct to 31 Oct, 2019
End Semester Exam including practical exam	4 Nov to 22 Nov, 2019
Showing of answer book	On or Before 26 Nov, 2019
Declaration of Result	28 Nov, 2019
Registration in Spring 2019	02, 03, 04 and 05 Dec, 2019
Commencement of classes of Spring 2019	06 Dec, 2019
Winter Vacation	23 Dec 2019 to 1 Jan 2020

**For B. Tech. / B. Arch.-First Semester**

Commencement of Induction Program & Classes	25/07/2019
Mid-Semester Exam on	23/09/2019 to 27/09/2019
Semester Break (Only for Students)	05/10/2019 to 13/10/2019
Declaration of Provisional Detention List	18/10/2019
Last Date for Submitting Appeal against detention	21/10/2019
Declaration of Final Detention List	05/11/2019
Class Ends on	08/11/2019
Student Feedback Activity	01/11/2019 to 09/11/2019
End Semester Exam Including Practical Exam	11/11/2019 to 29/11/2019
Showing of Answer Book	On or Before 03/12/2019
DAC meeting to analyze and approve the result	04 and 05/12/2019
Declaration of Result	06/12/2019
Registration in Spring 2019	09 and 10/12/2019
Commencement of classes of Spring 2019	11/12/2019
Winter Vacation	23/12/2019 to 01/01/2020

**For M.Tech. and MCA - First Semesters**

Commencement of Orientation & Classes	25/07/2019
First Exam on	28/08/2019 to 30/08/2019
Semester Break (not for M.Tech. Scholars)	13/10/2019 to 21/10/2019
Second Exam on	01/10/2019, 03-04/10/2019
Declaration of Provisional Detention List	30/09/2019
Last Date for Submitting Appeal by Student against Detention	03/10/2019
Declaration of Final Detention List	28/10/2019
Class Ends on	08/11/2019
Student Feedback Activity	01/11/2019 to 09/11/2019
End Semester Exam Including Practical Exam	11/11/2019 to 22/11/2019
Showing of Answer Book	On or before 26/11/2019
Declaration of Result	28/11/2019
Registration in Spring 2019	03 and 04/12/2019
Commencement of classes of Spring 2019	05/12/2019
Winter Vacation	23/12/2019 to 01/01/2020

