

Mirror



Reflecting the True Spirit of NIT Raipur

Volume 1, Issue 1
April 2018

Director's Message

Mirror - the Official Newsletter of NIT Raipur aims to keep the students, faculty and staff members, alumni and all other well-wishers updated with the latest significant developments of the Institute. It facilitates communication and establishes synergistic connections by expressing commendable achievements of the Institute. I congratulate the editorial team and volunteers of *Mirror* who have worked hard to bring it in this shape. I wish all success to the *Mirror*.



Editorial Note

We would like to thank all of those who provided the authentic data (text and images) for this issue at very short notice. Similar responses are anticipated from all stakeholders of the Institute. We also acknowledge those who have participated in the survey-polls for selecting the *name* and *tagline* of the newsletter. Though, the publication frequency of the newsletter is

quarterly, the reports from July 2017 to March 2018 have been considered in this *inaugural* issue. We hope this issue serves its purpose. Your constructive suggestions for its further improvement will be highly solicited. All the communications should be ideally directed to the official weblink or mirror@nitrr.ac.in.

Institute News

MOU between NIT Raipur and CPWD



There has been a significant breakthrough on the development of the *extended new campus* of the Institute at Rakhi-Bharenga, Abhanpur road. An MoU with CPWD has been signed on 14th Mar., 2018 in this regard. The CPWD shall select an architectural firm to prepare detailed project report (DPR), based on our master plan. The master plan for the extended campus was submitted by Semac Limited, New Delhi on 11th Sep., 2013, which offers layout of **150 acres academic** and **55 acres residential zone**, as shown in the images. The funding opportunity will be explored by the Institute as per the guidelines



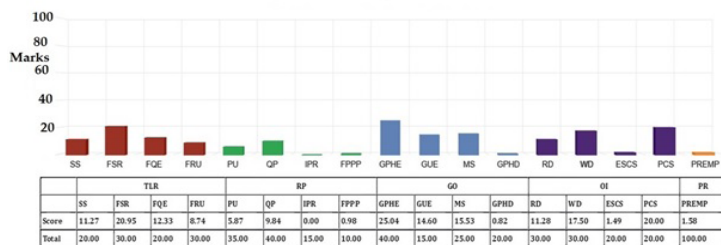
of MHRD, after receiving the DPR along with estimated cost of the project. The CPWD will then be requested to execute the project.

The departments to be shifted in the extended new campus are *Biomedical, Biotechnology, Chemical, Computer Science, Electrical, Electronic and Telecommunication, Information Technology, Master of Computer Applications, Department of Physics, Chemistry, Mathematics and Humanities*. The HODs of various departments have been requested to put forth their requirements for the new campus by 2nd April, 2018.

NIRF Report

NIT Raipur has secured 81st national rank in engineering category, as released on 3rd Apr., 2018, by National Institutional Ranking Framework (NIRF). The Institute has improved its NIRF ranking this year, in contrast to previous year 100-150 ranking-band. Further, NIT Raipur stands 16th 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, as shown in the figure. The area of improvements have been identified by the Institute, which includes faculty recruitment,



Faculty Recruitment

Dr. A. M. Rawani, Director, NIT Raipur has initiated the faculty recruitment process for Associate (forty four posts) and Assistant Professors (twenty nine posts) immediately after joining the Institute on 27th Oct., 2017. The shortlisting process has already been completed for direct interview.

strengthening Ph.D. program, introducing new master programs, one year diploma programs and updating research infrastructure. Various initiatives have already been taken into consideration to improve the ranking.

The interviews will start from 23rd March 2018 and is expected to be completed by the end of May 2018. The mapping of the existing eligible faculty members from the three to four tier flexible structure is also under process.

In Focus

8th Convocation Ceremony



The 8th Convocation Ceremony of the Institute was held on 23rd Dec., 2017. The memorable event was inaugurated by **Dr. A. M. Rawani**, Director and the acting Chairman of BOG, NIT Raipur. **Dr. Baldev Raj**, the former Director of IGCAR, Kalpakkam and the Director, National Institute of Advanced Studies, Bangalore was the Chief Guest at the function. Institute proudly congratulated 833 Graduates, 181 Post Graduates and 23 Ph.D. scholars who received the degrees: 784 B. Tech., 49 B. Arch., and 101 M. Tech. The medals of honour 46 gold and silver were awarded to meritorious students for their outstanding academic performances.

E-Abhiyan

E-Abhiyan was launched on 15th Aug., 2017 by **Dr. A. M. Rawani**, Director, NIT Raipur with the objective of creating efficient working environment, reducing paper consumption and manual workload of employees of the Institute. This is in line with the ethos of the **central government initiative** of **Digital India**. As part of this initiative, the students have been invited to prepare softwares for developing the program based leave management system, CPDA, meeting management system, online booking of venues, vehicle and auditorium. The

Global Alumni Meet



Outreach Activities

- The Institute has facilitated the exposure visit of senior secondary government school students of Raipur district under the program **Dishaen**. This program, which was initiated by the District Collector, **helped students to choose their right career**. 75 schools in Phase-I (8th Sep., 2017 to 29th Dec., 2017) and 35 schools in phase-II (15th Jan., 2018 to 05th Mar., 2018) (nearly **15,000** students) were benefited by this program. The event was co-ordinated by **Dr. M. K. Tripathi** and **Dr. Amit Keshav**.
- NIT Raipur becomes a mentor institute for the **Vishwavidyalaya Engineering College, Lakhanpur (VEC)** to bring awareness about the scope and functions of Training and Placement Office.
- NIT Raipur has adopted **5 villages** under **Unnat Bharat Abhiyan** for the Development of Block **Dharsiwa**, namely, **Gomchi, Tendua, Guma, Bana, and Kara**.

faculty members are encouraged to use virtual classroom management system by means of *Google Classroom* and *Piazza* app. The **academic calendar** of the Institute has also been linked with the google calendar app. Email is used as a preferable means of communication. The system for bulk-email and messages to the students has been created via <https://message.nitr.ac.in>. The online processing of faculty recruitment applications has also been prepared by the Institute. **Many other similar initiatives are under process.**

The Global-Alumni meet, which was organized on 24th Dec., 2017, was presided by **Dr. A. M. Rawani**, Director, NIT Raipur. **Dr. Raman Singh**, *Honorable Chief Minister of Chhattisgarh* was the chief guest of the event. Five B. Tech., three M. Tech. and two B. Arch. students were given scholarships under the *Student Educational Assistance Fund* Program of the association, amounting to **4.52 lacs** and sponsored the Click club with Drone Camera worth **0.95 lac**. The event was the Golden Jubilee for the 1967 Batch and Silver Jubilee for the 1992 Batch.

Academic Activities

Laboratory Development

- **Image Forensics Laboratory** - Under project funded by Ministry of Electronics and Information Technology (Meity), Government of India. (**Dr. T. K. Das** – PI of Project), Department of MCA.
- **Internet of Things Laboratory** – Self Financed by Departmental Faculty (**Dr. Mithilesh Atulkar** and **Dr. M. K. Ahirwal**) and Ph.D student (Mrs. Majulata Sahu), Department of MCA.

Workshop/STTPs/Conferences

- A national conference on Application of Mathematics in Science and Engineering was organised by the Department of Mathematics on 21st Jan., 2018. The conference was inaugurated by the chief guest **Prof. K. C. Sivakumar**, Department of Mathematics, IIT Madras. The event was directed and chaired by **Prof. R. P. Pathak**, the HOD of Mathematics. Prof. K. C. Sivakumar, IIT Madras and **Dr. Rajesh Kannan**, IIT Khargpur, delivered the keynote lectures.
- Department of Applied Geology conducted a series of STTPs under IIRS Outreach Programme on the following topics: *UAV Remote Sensing and its applications* (3rd - 7th Jul., 2017), *Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System* (21st Aug. - 1st Dec., 2017), *Remote sensing and Digital image processing* (21st Aug. to 4th Dec., 2017), *Hyperspectral remote sensing and its application* (18th - 21st Sep., 2017), *Global Navigation Satellite System & Geographical Information System* (25th Sep. - 10th Nov., 2017), *Overview of RS & GIS Applications for Natural Resource Management* (13th Nov. - 8th Dec., 2017) and *Hyperspectral Remote Sensing and Its Applications* (19th Feb. - 13th Mar., 2018)
- A national conference on *Recent Advancement in Computing, Communication and Bioinformatics* was conducted on 9th Dec., 2017 by the Department of Computer Science & Engineering, coordinated by **Dr. D. S. Sisodia**, **Dr. P. Singh**, **Prof. N. S. Chaudhari**, Director, VNIT Nagpur, Former Professor Nanyang Technological University, Singapore delivered the keynote address and **Prof. A. M. Rawani**, Director, NIT Raipur, has chaired the inaugural session.
- The Department of MCA organized a National Conference on *Computer Applications in Education & Research for Science & Technology: Developments and Prospects* on 16th-17th January, 2018; having **Dr. (Ms). S. L. Sinha** as Chairperson, **Mr. H. Bikrol** and **Dr. S. K. Dewangan** as Organizing Secretaries.
- One week STTP on *Advanced Computational Techniques in the field of Mining Engineering* from 13th - 17th Nov., convened by **Dr. Mou Dasgupta**, Department of MCA.
- Training programmes on (i) Personality and Employability: Developmental Traits and

- **Heating, Ventilation and Air Conditioning Laboratory (HVAC)**: The Department of Architecture has setup a new HVAC Laboratory with the idea of making students familiar to the components involved. The idea is to let the students get the hands on experience with the machineries and the mechanisms involved with the heating, ventilation and air conditioning systems. The laboratory

Tools, and (ii) Academic Writing: Trends and Tools (Research and Thesis Development) - were organised by the Department of Humanities and Social Sciences (HSS), NIT Raipur from 6th - 17th Nov., 2017. The programmes were attended by graduate and undergraduate students from different colleges across Chhattisgarh.

- An advanced training on **Multimedia, Security, Cryptocurrency and Forensics** was conducted by the Department of Electronic and Telecommunication Engineering during 30th Oct. - 3rd Nov., 2017. The event was inaugurated by **Dr. S. Maitra**, ISI Kolkata. Speakers covered the following topics: *Block Ciphers and Cyber Attacks, Image Forensics, Digital Image Processing, Watermarking, Steganography, Forensics, Quantum theory, Crypto currency and Network Security Protocols*.
- A National conference on *Humanities and Social Sciences: Emerging Trends and Issues* was conducted on 26th Nov., 2017. The conference was inaugurated by the chief guest, **Prof. Shrish Verma**, Dean (Academic) and chaired by **Prof. Samir Bajpai**, the HOD of HSS. **Dr. Manish Shrivastava**, Professor, Department of English, Guru Ghasidas Vishwavidyalaya (Central University) delivered the keynote lecture.
- A National Conference on *Computer Applications in Education and Research for Science and Technology: Developments and Prospects* was held on 16th - 17th Jan., 2018 at the Department of Computer Application, NIT Raipur, where **Dr. S. L. Sinha** was the conference chair.

• TPO Seminars :

Seminar on **Successful Corporate Career** by **Mr. Rajendra Awasthi**, Co-Founder, EPIK InDiFi.

Seminar on **Career Prospect of Engineering Graduates in Department of Atomic Energy (DEA)** by senior scientists from BARC.

Workshop on **How to Set and Achieve Goals** by **Mr. Ashish Singh**, Motivational Speaker.

Seminar on **Engineering Ethics** by **Dr. M. M. Das**, Director, CHOICE.

Data Analytics and Machine Learning by **Mr. Vasant Rao**, AVP, Cognizant.

Motivation-cum-awareness talk on career in **Indian Navy and UES-18**.

- **Energy Conservation Building Code workshop**

currently consists of the dismantled machineries helping the students in understanding the functioning of the HVAC systems easily.

Award

Dr. S. L. Sinha received a certificate of recognition for *Outstanding Contribution in Reviewing* the articles of the journal *Applied Thermal Engineering* in Mar., 2017.

was conducted on 23rd - 24th Aug., 2017 for spreading awareness towards *Energy Conservation* at the Department of Architecture. The workshop was presided by **Ar. Jaspreet Gandhi** and **Ar. Ashu Gupta**.

- An orientation Workshop was conducted on 25th Oct., 2017 at the Department of Architecture to emphasize the students towards *Disabilities and growing standards of Universal Design*. The Workshop was presided by Mrs. Kavita Murugkar.
- Workshop on *Implications of Arts in Architecture* was conducted during 5th - 8th Dec., 2017 at the Department of Architecture by the **Mr. Pramod Sharma**, **Mr. Kapil Verma**, **Ar. Khushboo Rathi Saraogi** to help students form a link between Art and Architecture.



- Workshop of *Developing Heritage Route at Inner Raipur* was conducted in collaboration with Babu Banarasi Das University, Lucknow, Uttar Pradesh during 13th - 17th Mar., 2017 at the Department of Architecture to motivate the students towards identifying and addressing architectural problems.
- *National Conference on Recent Trends in Architecture: Issues and Opportunities* was held on 21st Dec., 2017 at the Department of Architecture. The Conference showcased various architects, conservationists, planners, urban designers, and environmental experts conferring their views on *Sustainability, urban planning aspects, Green Infrastructure, Environmental Impact Assessment and Smart Housing Solutions*.
- A STTP was conducted on *Professional Practice in Architecture and Planning* during 2nd - 6th Jan., 2018 at the Department of Architecture. Eminent speakers like **Ar. Swati Dixit**, **Ar. Jai Prakash Keswani**, **Ar. Sameer Ghorpade**, **Ar. Sandeep Srivastava**, **Ar. Gaurav Agrawal** and Planners like **Mr. Rohit Khandelwal**, **Ar. Rahul Panjwani** and Joint Director TCPO **Mr. Vineet Nair** enumerated about the complexity faced in the field of Architecture and Planning.

Lecture by Eminent Persons

- A special lecture was delivered by the members of the ISKCON on (15th Sep., 2017) the relationship between **Intelligence Quotient, Emotional Quotient** and **Spiritual Quotient**. The students were introduced to a person's adequacy in areas of *self-awareness, empathy, and dealing sensitively with other people*.



An expert lecture was delivered on 3rd Aug.,

- 2017 by **Mr. Deepak Dahiya**, the Principal Consultant at D'Plumbing Consultants and currently the President at Brihan Mumbai Licensed Plumbers Association. He was a member of National Executive Committee member for Indian Plumbing Association.

Expert lectures and Interactive sessions with **Ar.**

- **Snehal Shah, Dr. S. S. Ray, Ar. Samiran Banik** and **Ar. Ayan Sen** were held in the Department of Architecture on 26th Feb., 2018. The architects shared their experiences and architectural philosophies with the students helping them in developing better understanding towards architecture. Ar. Snehal Shah is alumnus of CEPT University (UG Architecture, 1973 batch). He completed his Master's degree from Architectural Association, London in 1984. Subsequently he completed his RIBA Part-3 and worked with renowned architect, Mario

Botta for several years. He returned to India in 1987 and set up his practice in Ahmedabad. Dr. Ray studied architecture at Sir J.J. College of Architecture, Mumbai and at IIT Roorkee. In view of his distinctive body of professional work, the Council of Architecture (India) has honoured him with a professional Ph.D. degree in 2012. Ar. Ayan Sen the Principal Architect and Planner, at *Ayan Sen Architects Urban Designers and Planners*. He is a graduate from School of Architecture, CEPT, India and has done his masters from Massachusetts Institute of Technology, USA.

Prof. N. J. Raju, JNU, New Delhi delivered

- Expert lecture on *Impact of climate change on water resources and Rainwater harvesting systems* in the Department of Applied Geology, NIT Raipur on dated 23rd Aug., 2017.

- **Dr. Mayank Dave**, Professor, Department of Computer Engineering, National Institute of Technology Kurukshetra, Haryana, delivered an expert lecture on the topic of *Internet Security, Issues, Challenges & Ethics* on 10th Jan., 2018 to the students of MCA.

- **Dr. S. L. Sinha** delivered an invited lecture on *Sexual Harassment at Work Place* in the National Seminar on Gender Norms and Gender Equality organized by Centre for Women's Studies, Pt. Ravishankar Shukla University Raipur, Chhattisgarh and Oxfam India on 6th Feb., 2018.

Invited Lectures

- **Dr. Abir Bandyopadhyay** delivered an invited lecture on *An Introspective Discussion on Integrated Rural-Urban Development in India* in STEM Conference 2018 at University of Sydney, New South Wales, Australia on 10th Jan., 2018.

GIAN Workshop

A Health Service Management workshop was conducted from 17th to 21st Jan., 2018 under the *Global Initiative for Academic Networking (GIAN)*. The event was coordinated by **Dr. Saurabh Gupta**, Dept. of Biomedical Engineering. The objective



of the workshop was to identify, quantify and analyze the health-care opportunity in the sector. The keynote address was delivered by **Dr. Paul Lillrank**, Professor, Aalto University and **Dr. V.K. Singh**, Professor, Massachusetts Institute of Technology.

Induction Programme

An induction program was conducted for the 1st Semester students from 30th Nov. to 8th Dec., 2017. The objective was to familiarize the students with the rules and regulations of the Institute. The activities of various clubs and committees of the Institute were introduced, along with daily yoga and sport sessions.



Research Frontiers

Funded Projects

- *Identification, Mapping and Spectral Library Generation for Hydrothermally Altered, Weathered and Clay Minerals*: PI - **Dr. Himanshu Govil**, Department of Applied Geology, 19.50 Lacs. Funded by Space Application Centre, ISRO

- *Utilization of Dual Frequency Polarimetric SAR Data for Scattering based Sub-Surface Geological and Linear Feature Characterization*: PI - **Dr. Himanshu Govil** and Co-PI **Dr. Shashi Kumar**, Department of Applied Geology, 18.51 Lacs, Funded by Space Application Centre, ISRO.

- *Study of Two Stage Iterative Methods for Solving Rectangular (square singular) Linear Systems*: PI - **Dr. Debasisha Mishra**, Department of Mathematics, 6.6 Lacs, Funded by SERB.

Analyzing the Effects of Meditation with and without Music on Autonomous Nervous System: PI- **Dr. Mithilesh Atulkar**, Department of MCA, 20.86 Lacs, Funded by SERB.

- *Cloud Enabled Connected Sensors Based*

Irrigation Monitoring and Control: PI-**Dr. Manju Pandey**, Department of MCA, 0.5 Lac, Funded by SC/ST Farmer Educational and Social Welfare Committee, Ratlam, Madhya Pradesh.

- *Cloud Enabled Connected sensors Based Weather Monitoring and Prediction System*: PI-**Dr. Manju Pandey**, Department of MCA, 0.5 Lac, Funded by SC/ST Farmer Educational and Social Welfare Committee, Ratlam, Madhya Pradesh.

- *Cloud Enabled Connected SMS/GPRS Based Monitoring of Environmental Sensors*: PI-**Dr. Manju Pandey**, Department of MCA, 0.5 Lac, Funded by SC/ST Farmer Educational and Social Welfare Committee, Ratlam, Madhya Pradesh.

- *Experimental Investigations and Modelling of Ultrasonic Jet Electro-deposition and Machining of Micro Part Fabrication*: PI - **Dr. M.S. Rajput**, Department of Mechanical Engineering, 31.05 Lacs, Funded by SERB.

- *Effect of interface, Strain and Phonon Confinement on Thermal Conductivity and*

Thermoelectric Efficiency of GaN/In GaN/ GaN Superlattices: PI - **Dr. B. K. Sahoo**, Department of Physics, 17.17 Lacs, Funded by SERB.

- *Development of Highly Efficient CdTe/ CdS Tandem Multijunction Photovoltaic System Through Optimization of Various Components*: PI - **Dr. Ayush Khare**, Department of Physics, 39.02 Lacs, Funded by SERB.

- A non-disclosure agreement (NDA) and a research agreement was signed between **CEO, Vedanta Limited** and **Director, NIT Raipur** to become partners in the field of advanced metal casting. A similar NDA was also signed between Directors of NIT Raipur and *University of Warwick*. **Dr. Sanjeev Das**, Department of Metallurgical Engineering was awarded a research funding of £50,000 from *Royal Academy of Engineering, Great Britain* for the project titled *Development of sustainable metal casting technology for low Greenhouse Emission*. Vedanta limited has also agreed to invest in the research activity in the field of liquid metal engineering.

Ph.D. Thesis Defended

- **Mrs. Sapna Thakur** defended her Ph.D. thesis entitled *A Statistical and Fuzzy Logic Study for the Diagnosis Of Thalassemia Disease: An Application to Chhattisgarh, India* on 20th Jan., 2018 under the supervision of **Dr. Sharada Nandan Raw** and **Dr. Ravindra Sharma**.
- **Mr. Chinmay Kumar Giri** defended his Ph.D. thesis entitled *Matrix Splittings and its connection with Non-Negative Generalized Inverses* on 20th Jan., 2018 under the supervision of **Dr. Debasisha Mishra**.
- **Mr. Gautam Mohanty** defended his Ph.D. thesis entitled *A study of III-V*

Nitride and Graphene based Surface Plasmon Resonance Sensor for Biomedical Applications on 19th Jan., 2018 under the supervision of **Dr. B. K. Sahoo**.

- **Mr. Vikas Gedam** defended his Ph.D. thesis entitled *Built in Electric field and Thermal Properties of InGaN/GaN Heterostructures* on 22nd Jan., 2018 under the supervision of **Dr. B. K. Sahoo**.
- **Mr. Deepak Agnihotri** defended his Ph.D. thesis entitled *Intelligent Text Analysis and Knowledge Engineering from Web Corpus* on 9th Jan., 2018 under supervision **Dr. Kesri Verma** and **Dr.**

Priyanka Tripathi.

- **Ms. G. Nag Bhargavi** defended her Ph.D. thesis entitled *Investigation of Structural, Electrical and Optical Behavior of Rare-earth Doped Barium Zirconium Titanate (BZT) Perovskite-type Compounds* 6th March, 2018 under the supervision of **Dr. Ayush Khare**.
- **Mr. Saurabh Samanta** defended his Ph.D. thesis entitled *First Principle Calculations of electronic and optical properties of spinal compounds using PBE and TB-mBJ schemes* on 24th Mar., 2018 under the supervision of **Dr. S. M. Saini**.

Students' Corner

ASTRA



ASTRA team of NIT Raipur became the **first team** from Chhattisgarh and was among the **top 12 teams** from India to qualify for the 3rd phase of Shell Eco Marathon Asia competition, which was held at Singapore from 7th - 11th Mar., 2018.

Young Scientist Award

Mr. Rakesh Nandi, Ph.D. scholar, Department of Mathematics, received the **young scientist award** for his contribution in the field of Mathematical and Statistical sciences, 16th Chhattisgarh Young Scientist Congress, Durg University, Durg, Chhattisgarh.

Placement Report

A total of **448 placement offers** have been received by the **eligible and interested students** of 2017-18 batch: **B. Tech. - 406, B. Arch. - 04, M. Tech. - 07 and MCA - 31**. The eligibility criteria have been considered for the selection as 60% in 10th and 12th standards and current CPI of 6.0 and above with **no standing backlog**. The department wise details of placement offers 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

Counselling Activities

The institute offers counseling services to all of its students, staff and faculty members through a unique approach which is based on development of human consciousness through value education. The value education develops the understanding of **self, family, relationship, nature and harmony**. A psychological counsellor helps the students to overcome from any kind of stress or anxiety.

Startup Cell Activities

Startup Cell aims at enhancing the entrepreneurial skills of students. **Ms. Disha Kaushal**, alumni of NIFT Mumbai and NID delivered the first keynote talk on *Generating ideas/ Designs* on 3rd - 4th Feb., 2018. The cell plans a series of six workshops to commemorate its initiative.

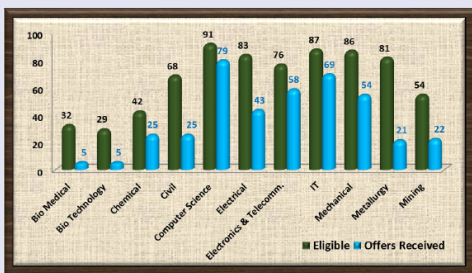
Inter-NIT Meet

A twelve-student contingent from NIT Raipur participated in the arena of Yoga in the **Inter-NIT Meet** at NIT Agartala. The **girls' team** won the **winner trophy** and the **boy's team** brought the **silver trophy**. **Mr.**

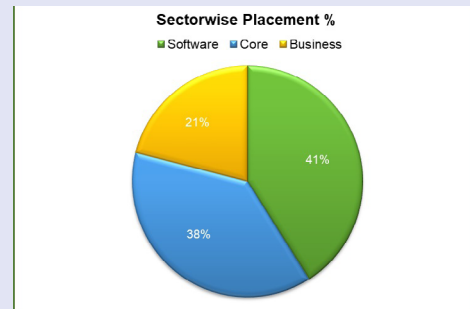
Deependra (8th Semester, Mining Engg.) and **Ms. Kanak Lata** (4th Semester, Electrical Engg.) won the best performer award.



NIT Raipur won the **Inter-NIT Cricket Champions** trophy by defeating NIT Patna by 4 wickets and 3.2 overs to spare.



(including PSUs), software (IT industry) and business (analytics and consulting) as shown in the pie chart. 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, BORI, Coal India, BPCL, TVS Motors and FIAT.

Know Your Alumni



Mr. Rajesh Kakkar (1981 - Mechanical Engineering) has been appointed as the Director (Offshore) of Oil and Natural Gas



Mr. Zale Neikha (1998 - Electrical Engineering) has been elected as an MLA from Southern Angami, Nagaland.



Mr. Prakash Tiwari (1981 - Mechanical Engineering) has been appointed as the Director (Operations) of National Thermal Power Corporation Limited.

Activities at NIT Raipur

Sankalp Se Siddhi



The Institute organized the event *Sankalp se Siddhi (Manthan)* on 3rd Sep., 2017. It started with a melodious note by *Raaga* followed by debates on innovative topics: *Space and Nuclear Technologies*, *secularism*, *Maglev trains*, *Google glasses* and *BHIM*. The event was concluded with a patriotic performance by *AlienZ*.

Independence Day

The 71st Independence Day was celebrated at the Institute with patriotic determination and spirit. The national flag was hoisted by **Dr. A. M. Rawani**, Director, NIT Raipur. He spoke on the developmental

aspects of the Institute in his address and launched the *E-Abhiyaan*. The NCC cadets, the Yoga team, the Raaga and Cultural committee gave the mesmerizing performance on this occasion.



Constitution Day



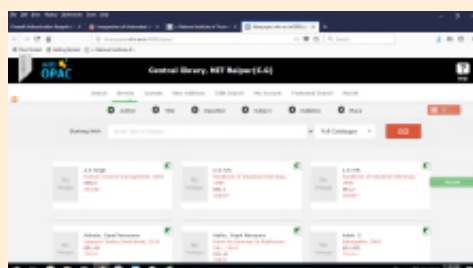
The preamble of the constitution was read on the constitution day on 27th Nov., 2017.

Republic Day Celebrations

The 69th Republic Day was celebrated in the Institute with hoisting of National Flag by **Dr. A. M. Rawani**, Director, NIT Raipur. The event commemorated with the words of the Director who emphasized on the opportunities for further improvements in the Institute. He encouraged the faculty and staff members, and students to initiate and popularise *e-campaign* in the Institute. The ceremony ended with various cultural programs that were performed by students, soliciting the event.



Library

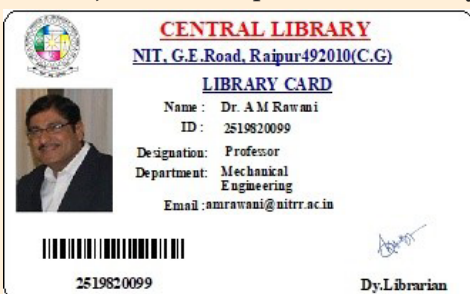


The Central Library has upgraded its collection of over 2.5 lacs books, journals and e-books. It has subscription to 10 full text online data-bases, 1 bibliographic data-base, Turnitin Feedback studio, EBSCO Discovery Service and has access to *Remote X* services to help users residing outside campus.

been completely automated by using LibSys software. The books, journals databases, Web OPAC have been fully operational since Nov., 2017. Automated circulation system was inaugurated on 11th Jan., 2018 by **Dr. A. M. Rawani**, Director, NIT Raipur. All faculty

issued bar-coded library card.

The Web OPAC (Online Public Access Catalogue) is a unique facility for the users of the Central Library. Through Web OPAC, one can browse the library collections, new arrivals, latest issue of periodical available in the library, and can directly link to the e-resources of the library from any place through Internet connection. Also an user can see his/his own library account details, i.e. no of books issued, due date, late fine, transaction history etc.



The Central Library of the Institute has

members, staff and students will be

The additional feature of the automation program is that users will receive information about the issue/return of books through e-mail.

Students' Activities

ECLECTIKA

With the theme *The Great 90s Show*, **Eclectika**, the annual cultural festival was conducted from 23rd - 25th Feb., 2018. Students from over 100 colleges competed in the arena of **music, dance, drama** and **literary**. The inaugural night was accompanied by **DJ Kunal** and **Club Banditz**. The next evening started with the KTM Stunt Battle and ended with a cultural performance by students. The fest concluded with a musical note by **Salim-Sulaiman's** live concert.



Raaga

The Music Club is a hobby Club of the Institute which promotes musical talent of the students. **Shruti** is the Musical Eve of NIT Raipur which is purely devoted to music. The other events conducted under its incense are *Independence Day*, *Republic Day*, *Eclectika*, *orientation programme* and *Pre-Diwali Celebration*.

SAMAR



Samar, the sports fest of NIT Raipur was held during 8th - 11th Feb., 2018. The event was inaugurated and presided over by **Dr. A. M. Rawani**, Director, NIT Raipur along with **Dr. Prabhat Diwan**, Dean, Students' Welfare and **Dr. Manuwardhan**, the overall co-ordinator of **Samar 2018**. Various tournaments of *hockey, kabaddi, kho-kho, cricket, carrom, chess, basketball, table tennis and athletics* were the major attractions of the event. Students from over **25 colleges participated in the fest**. The event concluded with the *Department of Metallurgical Engg. and Electronics and Telecommunication Engg.* lifting the *inter branch trophy*.

TEDxNITRaipur



TEDxNITRaipur was held on 17th of Mar., 2018. **Mr. Rajat Bansal**, Commissioner of Raipur Municipal Corporation discussed the role of common people for developing Raipur as a smart city. **Dr. Noe Alba-Baena**, Professor, UACJ, Mexico talked on Engineering in India. **Ms. Sharon Prabhakar**, a celebrated pop singer spoke on predefined boundaries of entertainment that could expedite us from known to unknown. **Mr. Prabhu Chawla**, elaborated his ideas on the transformation of journalism and its ambitious future in India. **Mr. Vipul Singh Tapas**, street Nukkad Artist (*Ghumantu Kalakar*) talked on the intuitive and inherent abilities of the person. The final speaker of the event was **Mr. Karan Deb**, the youngest football coach of India, who emphasised on the importance of sports in India.

AAVARTAN

Aavartan, commemorated with the theme *Era of Digitalisation* was conducted by team Technocracy on 7th - 8th Oct., 2017. Vigyaan was the biggest competition where students from all over India showcased their working models. **Mr. Vivek Patil**, runner up of India's Got Talent, concluded the fest with a mesmerizing performance of Sand Art and Light Art.



Click

Click is a hobby club that amalgamates the different visions of learning photographers from NIT Raipur. The club portrayed an exhibition **Aura** on 29th Aug., 2017 which was followed by a four day workshop for photography enthusiasts.

Quizzing Club

Interact club, the quizzing club of NIT Raipur promotes the quizzing culture across the Institute. The club participated in various events like **TATA Crucible**, Chhattisgarh State Level Quiz and **Equinox Quiz**. The students brought laurels to the Institute by being winners in **CSLQ**, Equinox and runner ups in **TATA Crucible**. The club conducted its 5th edition of **i-Quest 5.0**, with over 500+ students participating from various colleges across Chhattisgarh.

Nrityam



Nrityam, the Dance Club of the Institute organizes the Dance related extravaganzas. It conducts regular dance sessions to rejuvenate the zeal of dancing among students. Nrityam brought prestige to the Institute by **winning at Equilibrio**, GGU, Bilaspur. The team also showcased their exuberance at **Mood Indigo (IIT Bombay)** and **Technovate (IIIT Naya Raipur)**.

NCC



The army wing of National Cadet Corps trains seventy-six students every year for the **B** and **C** certificates. Physical training and drill is organized on Sundays, followed by theory classes. The cadets are motivated to join armed forces through various camps including *Combined Annual Training Camps*, *National Integration Camp*, and *Army Attachment Camp*. The cadets contribute in various activities like *Swachhha Bharat Abhiyan*, *Unnat Bharat Abhiyan* and *Nadi Bachao Abhiyan*. On Republic Day and Independence Day, cadets showcase the drill and salute to the tricolor. The Commanding Officer of the unit is **Lt. Col. M. S. Reddy** and ANO is **Dr. Santosh Penta**.