



Director's Message for the New Year 2020



Dear Colleagues and Well-wishers, I wish you all a very happy and prosperous new year. I hope you celebrated the beginning of year 2020 in good spirits with your family and friends. As I look back, 2019 was another remarkable year for NIT Raipur. The Institute made a significant jump in its NIRF ranking and secured 74th rank in

the engineering category. Working towards achieving our mission, we updated the curriculum in line with Industry 4.0 from the academic session 2019-20 onwards and introduced the Choice Based Credit System and Relative Grading Scheme. Several MoUs were executed with Institutions and Industries to strengthen ties and research collaborations. Facilities like Central Computer Center, Makerspace, Supermarket, Coffee Shop, Milk Parlour and newly upgraded Gymnasium also started functioning in Institute premises for catering the needs of the fraternity. In order to provide a platform to students and employees for expressing their views, grievances and ideas freely, we began organizing FIRE (Free and Informal Right

Expression) sessions and Quality Circle meetings for continuous improvement of various facilities of the Institute. NIT Raipur has started the process of recruitment to various vacant-faculty and non-faculty positions. Many teaching and non-teaching staff have also been promoted. Not only our students, but our faculty and staff have brought many laurels to the Institute in the fields of innovation, yoga and sports. I take this opportunity to appreciate the contribution of all my colleagues to achieve these accomplishments.

Now as we embark on another new year, let us set our common goals for the year ahead and start working towards attaining them. It is our collective goal for 2020 to protect our environment by eliminating single-use plastics, producing zero waste, conserving water, harnessing solar energy and using eco-friendly alternatives for a healthier and sustainable future of our Institution and our Nation.

The year ahead may bring new challenges but I am confident that we will achieve higher goals with your continued support and unified efforts. Once again, I wish you all happiness, health and success in the New Year.

Institute News

Tenth Convocation of the Institute

The 10th convocation of NIT Raipur was held on 1st Dec. 2019, conferring degrees to all the graduating and post-graduating students. The occasion was graced by **Mr. Abidali Neemuchwala, Chief Executive Officer (CEO) and Managing Director (MD) of Wipro, and the alumnus of Institute (B.E. from erstwhile Govt. of Engineering College, Raipur in 1990) as the Chief Guest** of the ceremony. Over the course of a long and distinguished career, **Mr. Abidali** has served for 27 years in the global IT industry. The function was presided over by **Dr. A. M. Rawani, Director and Acting Chairman of Board of Governor (BOG), NIT Raipur**, who presented the **Presidential address and the Institute's report** highlighting the key achievements of Institute.

Chief Guest Mr. Neemuchwala addressed the gathering and congratulated the graduating students. He shared his **top-five lessons and values of life as integrity, continuous and immersive learning, embracing failure, respecting intuition and taking risk**, and acting with **humility, empathy and humanness**. It was followed by the award of degrees by the **Chairman of the Senate**. A total of **1122 students** including **859 Graduates, 216 Postgraduates and 47 PhDs** were



presented by **Dr. S. Verma, Dean Academics** for receiving their degrees. A sum of 51 medals including **26 Gold** and **25 Silver** medals were presented to the meritorious students by the **Chief Guest** and the **Chairperson of BOG**. The coveted **Institute Gold Medals** for obtaining the **highest CGPA** amongst all the graduating students in the year 2018-19 were jointly awarded to **Ms. S. Goyal and Mr I. Singhal, the Department of Computer Science and Engineering**. The ceremony ended with the vote of thanks proposed by **Dr. M. Atulkar, Registrar (Officiating), NIT Raipur**.

Celebration of Institute's Foundation Day

NIT Raipur celebrated its **14th Foundation Day** on 1st Dec., 2019. The event was inaugurated by the **Chief Guest, Mr. Deepak Khandekar, an IAS Officer and Secretary of Ministry of Tribal Affairs, Government of India. Mr. Abidali Neemuchwala, CEO and MD of Wipro** was the **Guest of Honour** for the occasion. The event was presided over by **Dr. A.M. Rawani, Director, NIT Raipur**. Recalling and remembering his journey as a student and later as a faculty and subsequently as a **Director of the Institute**, **Dr. A.M. Rawani** delivered an inspiring and motivational speech by illustrating the major milestones, significant growth and development of this historic and unique Institute. In this special occasion, the **Chief Guest Mr. D. Khandekar**, who is also an alumnus of the Institute, shared his journey as a student and successful bureaucrat of the country. He solicited all students to follow the **path of peace, love and tolerance**.



The **Guest of Honour, Mr. A. Neemuchwala** addressed the gathering. This was followed by a documentary video highlighting achievements, awards and developmental activities of the Institute. The **Best Students Award** for all years of all branches were awarded to the students with exceptional attendance-performance in their respective classes. For the year 2018-19, The **Best Department Award** was conferred to **Department of Electrical Engineering. Dr. S. Gupta**, Professor, Electrical Engineering, **Dr N. D. Londhe**, Associate Professor, Electrical Engineering and **Dr N. Jain**, Associate Professor, Mechanical Engineering Jointly received the **Best Faculty Award**. The event was concluded with the vote of thanks proposed by **Dr. S. Verma**, Dean Academic, NIT Raipur.

Interactive Session with Mr. Abidali Neemuchwala

One-to-one interactive session between students and **Mr Abidali Neemuchwala, CEO and MD of Wipro and Alumnus of NIT Raipur (erstwhile GEC Raipur)** was held on 1st Dec., 2019, where he shared his experience as a student of the Institute. He emphasized the moral and social values that he learnt and assimilated from this Institute.



The session was witnessed by large crowd of the students, who raised enthusiastic questions and received the fruitful and positive responses from the speaker.

FIRE Session

The **FIRE** session was held at E-Classroom, NIT Raipur on 12th Dec., 2019 with the agenda '**Support from the Alumni and Alumni Relations**'. **Dr. A. M. Rawani**, Director, NIT Raipur reiterated the importance of the session in improving various facilities and system of the Institute. During the interactive sessions, all students urged for more training, meetings and mock placements as well as regular alumni interactions. The Director highlighted about several trainings, workshops, conferences and other activities, which are regularly organized by different departments in the institute and informed that it has been made mandatory to involve the alumni in these activities. **Mr. M. Chandak**, the *Secretary of Alumni Association*, assured to extend all possible help and support to the students for Internship and Placement.

Industry Institute Conclave 2019

National Industry Collaboration Cell (NICC), NIT Raipur organized a two-day **Industry Institute Collaboration Meet (IICM Conclave 2019)** on 8th - 9th Nov., 2019 under the guidance of **Dr. A. M. Rawani, Director, NIT Raipur**. It was coordinated by **Prof. S. L. Sinha, Chairperson of NICC, NIT Raipur**. The main objective of the conclave was to meet the requirements of industry and to develop industry-ready



engineers. **Mr. V. Dhawan, Chief General Manager (Quality), Bhilai Steel Plant, Mr. K. D. Diwan, Former Chairman and Managing Director, Hindustan Copper Limited, Kolkata, Dr. A. M. Rawani, Director, NIT-Raipur, Mr. P. Shukla, Deputy General Manager, Sales & Market, Jindal Steel and Power Limited, Raigarh Mr. R. Chouhan, Jindal Steel and Power Limited, Raigarh. Mr. N. Singh, General Manager (Q &A), NECO, Dr. K. Verma, Associate Professor, NIT-Raipur, Dr. A. Agrawal, IIIT Naya Raipur, Dr. J. S. Bal, Deputy Director, Directorate of Technical Education, Raipur, Mrs. R. Singh, Managing Director, Amrita Engineers, Bhilai Dr. D. K. Shrivastav, Incharge Director, NITIE, Mumbai, Dr. S. Bajpai, Head-CDC, NIT-Raipur; Ms. P. Sakhare, HR, Tata Motors, Pune, Mr J. Kurian, General Manager (Personnel Relations), Bhilai Steel Plant, addressed the gathering and delivered their plenary lectures on the various issues related to Institute and Industry collaborations.**

National Unity Day

A pledge ceremony was organized on the occasion of National Unity Day on 31st Oct. 2019. **Dr. S. Verma**, Dean Academics,

Dr. P. Diwan, Dean Student's Welfare, and other faculty members and staff were present on the occasion indicating responsibility towards the unity of the Institute and the Nation. On this occasion, **Run for Unity marathon** was also organized by Shaurya- the sport committee under guidance of **Mr. S. Pramanik**, Professor In-charge, Shaurya.

Collaboration with Bio-Design Center, Stanford University

Dr. A. M. Rawani, Director, NIT Raipur visited **Bio-Design Center of Stanford University (SU)** on 17th Oct. 2019 to explore various possibilities of getting collaboration in the area of Technology Innovation. **Prof. A. Mairal**, Bio-Design Center, SU, agreed to train the faculty members and students' mentor of NIT Raipur, who have the passion for entrepreneurship and commitment in health-care for patients around the world through technology innovations.

Vigilance Awareness Week

NIT Raipur observed the **Vigilance Awareness Week** from 28th Oct., to 2nd Nov., 2019 under the guidance of **Dr. A. M. Rawani**,

Director and **Dr. S. Verma**, Chief Vigilance Officer, NIT Raipur. On the first day, pledge was taken to maintain the integrity of the Institute, society and Nation. Second day, a cycle rally was conducted to spread the message *Integrity - A way of life*. Third day, An essay writing competition was also held for the faculty members and staff of the Institute. Fourth day, Abhinay, the Dramatics Club of NIT Raipur organized a street play highlighting the need to curb corruption before it is too late. The week was celebrated with great enthusiasm and passion.



Academic Activities

STTP/Conference/Workshop conducted

Workshop on Soft Computing Technologies and Robotics

Department of Information Technology, NIT Raipur organized a five-day Workshop on **Soft Computing Technologies and Robotics** from 16th to 20th Sep., 2019. The workshop contained the lectures and special case studies in the areas of soft computing, robotics and computational tools (Matlab and R-software). The program was conducted under the chairmanship of **Dr. S. P. Sahu**, HOD, IT, and coordinated by **Dr. R. Doria**, and **Dr. R. R. Janghel**, Assistant Professors, IT.

Workshop on Artificial Intelligence

Department of Electrical Engineering (EE), NIT Raipur, organized a five-day workshop on **Artificial Intelligence** from 22nd to 26th Sep., 2019. **Dr. N.D. Lodhe**, HOD, EE delivered the expert lecture on *the importance of artificial intelligence for the advancement of society*. **Dr. S. Gupta**, Professor and **Dr. A. Yadav**, Associate Professor, EE coordinated the workshop.

STTP on Machine Learning: Theory to Modeling

Department of Bio-Medical Engineering and Department of Computer Science and Engineering, NIT Raipur conducted a five-day STTP on **Machine Learning: from Theory to Modelling** from 23rd to 27th Sep., 2019. The program was coordinated by **Dr. L. Upadhyay**, HOD, Bio Medical Engineering (BME), **Dr. A. Sharaff**, Assistant Professor, CSE, and **Dr. N. Nirala**, Assistant Professor, BME. **Dr. L. Singh**, Scientist, NPCIL BARC, Mumbai, **Dr. S. K. Saritha**, Assistant Professor, MANIT Bhopal, **Dr. M. Ahirwal**, Assistant Professor, MANIT Bhopal, **Dr. V. Tiwari**, Assistant Professor, IIT Naya Raipur and **Dr. A. Sharma**, Assistant Professor, IIT Naya Raipur delivered their expert lectures and interacted with the participants.

National Seminar with VEC Lakhanpur

The **Department of Humanities and Social Sciences (HSS)**, NIT Raipur in collaboration with **VEC Lakhanpur**, the mentored college of the Institute, organized a two-day National Seminar on **Impact of Social Engineering, Indigenous Science and Technology on Peace, Prosperity and Nation-Building** on 27th-28th Sep., 2019. The seminar was coordinated by **Dr S. Sarkar**, **Dr S. K. Tarai** and **Dr Y. V. Babu**, Assistant Professors, HSS, NIT Raipur. **Prof. B. Mishra**, IIT Roorkee delivered the keynote address. **Prof. K. Srinivas**, Dean, School of Humanities, Pondicherry Central University and **Prof. R. Sarma**, Dean, School of Culture, Central University of Jharkhand also addressed the gathering and delivered the plenary speech.

Certificate Course on ArcGIS (Basics)

Continuing Education Cell (CEC), NIT Raipur offered a certificate course on **ArcGIS (Basics)** for a period of 40 hours duration from 4th to 15th Nov., 2019. The course was conducted under guidance of **Dr. S. Sanyal**, Chairperson, CEC NIT Raipur. **Dr. I. Ahmad**, Assistant Professor, Civil Engineering was the Coordinator of the event.

Workshop on Cloud Computing and Network Security

A five-day national workshop on **Cloud Computing and Network Security** was organized by the **Department of Computer Science and Engineering (CSE)**, NIT Raipur from 14th to 18th Oct., 2019. **Dr. D. Saha**, Assistant Professor, IIT Bhilai inaugurated the workshop and delivered the inaugural speech on *Cryptographic Primitives*. The workshop was coordinated by **Dr. K. J. Naik**, Assistant Professor and **Dr. P. Chandrakar**, Assistant Professor, CSE.

Workshop on Cyber Security



Under the AICTE Training and Learning Academy Programmes (ATAL), Department of Computer Applications (DCA), NIT Raipur organized a workshop on **Cyber Security** from 14th to 18th Oct 2019. The workshop was coordinated by **Mr. H. Bikrol**, *Associate Professor* and **Dr. P. Tripathi**, *Assistant Professors*, DCA. The workshop focused on cybersecurity concepts such as cryptography, digital money and security techniques.

Art of Living Program

A six-day **Art of Living Program** was organized in NIT Raipur from 14th to 19th Oct., 2019. The objective of the program was to



transform the negative thoughts, ideas and emotions, and to improve the happiness and well-being. **Mr. A. Jaggi** and **Ms. K. Ramchandani**, *Teachers*, *Art of Living* delivered the lecture and demonstrated the practical skills related to the art of human-living. They were also trained to practice *Yoga, Meditation and Breathing techniques* for keeping healthy body and mind.

National Conference on MMMCSE-2019

Department of Mathematics (DM), NIT Raipur organized a two-day National Conference on **Mathematical Modeling, Methods and Computation in Science and Engineering (MMMCSE-2019)** on 19th - 20th Oct., 2019. **Dr. N. K. Thakur**, *Assistant Professors*, and **Dr. S. N. Raw**, *Assistant Professors*, DM, coordinated the conference. The Chief Guest **Dr. P. P. Chakravarthy**, *Professor and Head, Department of Mathematics, VNIT Nagpur*, who inaugurated the Conference, also delivered the keynote speech. **Mr. A. Dewangan**, *Director (Production), Kaps Foods India Pvt. Ltd. Raipur* delivered a plenary speech in the conference.

STTP on Medical Signal and Image Processing

A one-week STTP on **Medical Signal and Image Processing** was organized by EE, NIT Raipur from 14th to 19th Oct 2019. The workshop was coordinated by **Dr. N. D. Londhe**, *Associate Professor*, EE. The event was graced by **Dr. N. K. Bodhey**, *AIIMS Raipur*

National Conference on Education, Communication and Society



Department of Humanities and Social Sciences, NIT Raipur organized a one-day national conference on *Education, Communication and Society* on 2nd Nov., 2019. The conference was coordinated by **Dr. Y. V. Babu**, and **Dr. M. Singh**, *Assistant Professors*, HSS, NIT Raipur.

National Conference on Sustainable Energy Systems Design for Remote Villages in India

A five-day National Conference on **Sustainable Energy Systems Design for Remote Villages in India** was organized by the **Department of Electrical Engineering (EE)**, NIT Raipur from 5th to 9th Nov., 2019. **Dr. N. D. Londhe**, *HoD, EE* and **Dr. A. Yadav**, *Associate Professor, EE*, inaugurated the conference. The event was coordinated by **Dr. R. N. Patel**, *Associate Professor* and **Dr. B. Bagh**, *Assistant Professor, EE*.

Workshop on Elements of Research

Department of Chemical Engineering (DCE), NIT Raipur organized a one-week workshop on **Elements of Research** from 25th to 29th Nov., 2019. **Dr. V. K. Singh**, *Head, Department of Chemical Engineering*, inaugurated the workshop and delivered the speech on the Importance of Research Activities towards the Development of the Institute and Society. **Dr. A. Keshav**, *Associate Professor* and **Dr. D. Pal**, *Assistant Professor, DCE* coordinated the workshop.

National Workshop on 3D Printing and Design in Engineering Applications



AICTE Training and Learning (ATAL) Academic Cell, sponsored five-day National Workshop on **3D Printing and Design in Engineering Applications** was organized by the **Departments of Metallurgical and Materials (DMM) Engineering and Mechanical Engineering (DME)**, NIT Raipur from 2nd to 6th Dec., 2019. The workshop was coordinated by **Dr. N. Gupta**, *Assistant Professor, DMM*, and **Dr. Jagadish**, *Assistant Professor, DME*. **Prof. S. Gupta**, *Dean (Research and Consultancy), NIT Raipur* and **Prof. S. Gangopadhyay**, *HOD, Mechanical Engineering, IIT Bhilai*, inaugurated the workshop.

National Workshop on Recent Trends in Power Electronic Converters and Real Time Control

Department of Electrical Engineering, NIT Raipur organized a five-day workshop on **Recent Trends in Power Electronic Converters and Real Time Control** from 9th to 13th Dec., 2019. **Dr. L. K. Sahu**, Assistant Professor, EE, **Dr. S. Ghosh**, Associate Professor, EE was the coordinator of the event.

National Workshop on Recent Trends of Computational Statistics and Operations Research in Science and Engineering

Department of Mathematics, NIT Raipur organized a five-day National Workshop on **Recent Trends of Computational Statistics and Operations Research in Science and Engineering** from 9th to 13th Dec., 2019. **Dr. S. K. Samanata** and **Dr. A. K. Sharma**, Assistant Professors, DM coordinated the workshop. The Workshop was inaugurated by **Dr. R. K. Jana**, Assistant Professor IIM Raipur. **Mr. A. Dewangan** Director (Production), Kaps Foods India Pvt. Ltd. Raipur, delivered the invited talk on *Industry Flow using Mathematics*.

Faculty Development Program on Data Science and Its Applications

Department of Computer Science and Engineering, NIT Raipur organized a one-week AICTE Training and Learning

Expert Lectures Delivered by Institute Faculty/Staff

- **Dr S L Sinha**, Professor, DME delivered an Expert Lecture on *AICTE Norms for Diploma Teachers* on 17th Sep., 2019 in Chhattisgarh Academy of Administration, Raipur.
- **Dr. S. N. Raw**, Assistant Professor, DM, NIT Raipur, delivered an expert lecture on *Application of Numerical Methods and Statistical Techniques in Engineering*. The event was organised by Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal (M.P), from 23rd to 27th Sep., 2019.
- **Dr. S. Agrawal**, Professor, Department of Physics, delivered an expert lecture on *Thermoluminescent Nanomaterials* in two days colloquium on Nanoscience and Nanotechnology held on 7th-8th Nov., 2019 organised by Department of Applied Physics, Jabalpur Engineering College, Jabalpur.
- **Dr. A. Khare**, Associate Professor, Department of Physics delivered an expert lecture on *Efficiency Enhancement in CdTe/CdS Thin-film Solar Cells* in the National Conference on Advanced Material and Environmental Science (NCAMES-2019) organized by Department of Physics, Kalinga University, Naya Raipur from 14th to 15th Oct., 2019.
- **Dr S. K. Satpathy**, Dy. Librarian, NIT Raipur, delivered an invited lecture on *Library Automation Software* by Chhattisgarh Academy of Administration, Raipur on 9th Nov., 2019.
- **Dr. A. Khare**, Associate Professor, Department of Physics delivered an expert lecture on *Thin Film Solar Cells* in the Faculty Development Programme on Recent Advances in Material Science organized by Department of Physics, C

(ATAL) Academy Cell sponsored faculty developmental program on **Data Science and its Application** from 9th to 13th Dec., 2019. The conference was coordinated by **Dr. D. S. Sisodia** and **Dr. P. Singh** Assistant Professors, CSE. **Dr. S. Sidhanta**, Assistant Professor, CSE, IIT Bhilai, delivered the expert lecture.



Workshop on RAPMNEA-2019

Department of Mechanical Engineering, NIT Raipur organized a five-day workshop on **Recent Advancement in Polymer Materials and Nanomaterials for Engineering Applications (RAPMNEA-2019)** from 9th to 13th Dec., 2019. **Dr. Jagadish**, Assistant Professor, DME, was the coordinator of the event. **Dr. R Balaji Rao**, **Mr R.N. Chouhan**, and **Dr. K. K. Shrivastava** delivered the guest lectures.

V Raman College of Engineering, Bhubaneswar from 2nd to 7th Dec, 2019.

- **Dr. S.K. Tarai**, Assistant Professor, Department of HSS, NIT Raipur, delivered a keynote lecture on *Neurocognitive Signatures of Prosocial and Positive Emotional Language in Brain: Emerging Research and Social Impact* in the 2nd Linguistic Symposium Bridging Research on Cognition and Speech (BROCAS-2019), which was organised by the Department of Humanities and Social Sciences, IIT Ropar, Punjab, on 13th-14th Dec., 2019.
- **Dr. L. K. Sahu**, Assistant Professor, EE, delivered an expert talk on *Advancement in Electric and Hybrid Electric Vehicles* in Two Weeks FDP on Advancements in Electric Drives and Control and their Socio - Environmental Impacts from 4th -16th Nov., 2019 organized by BIT, Durg.

Research Frontier

Awards, Recognition, and Fellowships

- **Dr. P. K. Chaudhari**, Associate Professor, DCE and **Dr. R. K. Chaudhary**, 2017 PhD, DCE has been granted a patent for an invention entitled *"System and Method for Treating Coking Wastewater"* on 29th Nov., 2019 under **The Patents Act, 1970, India**.
- **Dr S L Sinha**, Professor, DME recognized as reviewer for the **Journal FUEL** published from ELSEVIER.
- **Dr. D. Pal**, Assistant Professor, DCE was awarded the prestigious **Auropath Global Awards 2019** for the "Excellence In Research" under the category HEI Professors on 2nd Nov., 2019 by Auropath is a unit of **Auroservice Trust and Sri Aurobindo Society, Puducherry**.

- **Dr. S. K. Saha**, Assistant Professor, Department of Electronics And Communication Engineering, was awarded with the prestigious **2019 Premium Award** for Best Paper titled "*Optimal and accurate design of fractional-order digital differentiator-an evolutionary approach*" in **IET Signal Processing**.

Funded Projects

- Project titled *Design and synthesis of biologically relevance fused heterocycles via C-H activation / Oxidative cyclization / Tandem processes*, **PI: Dr. Santhosh Penta**, Assistant Professor, Department of Chemistry. Amount: Rs. 28.41 Lakhs, funded by SERB, DST.

Students' Corner

Students' Achievement

Ms. A. Pillay, 5th sem DMME secured the 2nd prize with prize money of INR 32000 in the International Essay Contest conducted by the Goi Peace Foundation, Japan. The theme for this year's competition was Creating a Society Full of Kindness. The winners were declared from among 20,657 entries from 157 countries.

brought laurels by earning the 5th place at the leaderboard out of total 46 teams. The team members **Mr. R. Jain, Mr. K. Awal, Mr. Y. Pradhan, Mr. U. Urkade, Mr. H. Sahu, Mr. A. Soni, Mr. M. Gabel, Mr. S. Sahu and Mr. D. Chandrakar** worked under the guidance of **Dr. V.K. Gaba**, Assistant Professor, **DME** and **Dr. S. Jain**, Associate Professor, **EE**.

Mr S. Patel 3rd Sem DMME, **Mr A. Verma**, 5th Sem MIN, **Mr. Y. Sahu** 1st Sem CSE, **Mr. N. T. Rao** 5th Sem DECE, and **Mr. A. Korram** 3rd sem Sem. and the **Girls Team** consisted of **Ms. Kanak** 5th sem EE, **Ms Tanuja** 5th Sem CSE, **Ms. Sharda** 5th sem DCE, **Ms. Sandhya** 3rd Sem MIN, **Ms. Sushmita** 3rd Sem DME, **Ms. A. Agarwal** 3rd Sem EE.

- The team **ASTRA** of **NIT Raipur** showcased its prototype innovation – the fully functional **Battery-Electric Vehicle** named '**Garud**' in the international event -**Shell Eco-Marathon**, which was organized by the *Petro-chemical Giant Shell*, at *Shell Technology Center*, Bangalore on **21st Nov. 2019**. The team

- The **Yoga Team of NIT Raipur** participated in the **Inter-NIT Sports Meet which was held** at NIT Silchar from 11th to 13th Oct., 2019. The team bagged the **first prize both in the female and male categories**. The boys team consisted of **Mr Shubham**, 1st sem MCA,

- The innovative project titled **Drip Monitoring System**, developed by **Mr. Ashish Sharma**, **BME**, **NIT Raipur** got selected for **Young Innovator Awards Session in International Conference on Health 2019**.

Club/Committee Activities

TEDx

TEDx-NIT Raipur organized an event for **spreading awareness among the youth on single use plastic** by conducting essay writing competition, quiz and debate competition on single-use plastic on 18th Oct., 2019. The essay writing-competition was held on the topic of **Single-Use Plastic** both in Hindi and English. **Mr. N. Chandrakar**, Infra Engineer and Planner. delivered a lecture.

Sahyog Club

Sahyog Club, NIT Raipur, organised a **Third Gender Awareness Programme** on 11th Dec., 2019. **Mr. S. K. Behra**, a well-known Fashion Designer, shared his experience with students and informed them how he followed his passion for the profession.

E-Cell and I-Cell

Technopreneur Meet 2019

The **Innovation and Entrepreneurship Cell**, **NIT Raipur** organized the **Technopreneur Meet** on 18th Oct., 2019, which was inaugurated by **Dr. S. Bajpai**, *Head CDC*. **Mr. R. S. Kshatri**, *Founder, Jivandeep Health Services and Summit Foundation* addressed the gathering. The Guest speaker was **Mr. T. Verma**, *an Auto Mechanic from Bhilai who invented a liquid which makes the tyres puncture-free*. Students from **Bharat Mata School** and **Krishna Public School** were invited to take part in this meet.

Birth Anniversary of Dr Kalam

The **Innovation and Entrepreneurship Cell of NIT Raipur** celebrated **88th Birth Anniversary of the former president of**

India, **Dr. A.P.J. Abdul Kalam** at E-hall on 15th Oct., 2019, under the guidance of **Dr. S. Bajpai**, *Head CDC*, **Dr. R. N Patel**, *Professor In-charge of Entrepreneurship cell* and **Dr. S. Gupta**, *Professor In-charge of Innovation cell*. Both the Innovation and the Entrepreneurship cells showcased the innovations that were taking place in our Institute. Alumnus **Mr. Ajay Gupta Pradhan**, (2017, *Metallurgical And Materials Engineering*) who is working on *Social Entrepreneurship* delivered a talk on *Social Engineering and Innovations in the Dantewada District and Bastar regions of Chhattisgarh*.

NSS

Cleanliness Day and Plastic Waste Liberation Campaign

Cleanliness Day and plastic waste liberation campaign was launched on 2nd Oct., 2019 by **Dr A.M. Rawani**, Director, NIT Raipur to pay tribute to **Mahatma Gandhi** and **Mr. Lal Bahadur Shastri**. The event was graced by **Mr. R.P Tiwari**, Secretary, EPCB Chhattisgarh. This programme was organized by NSS Under guidance of **Dr. G. Bhatt**, Professor In-charge NSS.

Poster Making

Poster making for first year students was organized by NSS, NIT Raipur on 21st Nov., 2019. The aim of this event is to inculcate awareness among the students towards the environment and to promote plastic free India. More than 350 students participated in the event.

A Day with Real Heroes

The NSS team of NIT Raipur organized its flagship event - **A Day with Real Heroes** - on 29th Sept., 2019. The event was organized under the leadership of **Dr. P. Diwan**, *Dean Student's welfare* and **Dr. G. Bhatt**, *Faculty In-Charge of NSS*. The key



speakers of the event were **Mr. Madhab Das**, *Ex-serviceman from IAF*, **Mr. K Santosh Kumar**, *Ex serviceman from Indian Army* and **Mr. Abdul Sameer**, *Inspector CGP*, who shared their experiences.

A Visit to School at Guma, and Akshay Patra

The NSS, NIT Raipur, visited **Higher Secondary School, Guma, and Akshay Patra Foundation, Bhilai** on 23rd Nov., 2019 as part of its initiative to *spread awareness about various issues such as Swachh Bharat Abhiyan, online-learning, and know more about the difficulties* faced by the under-privileged section of the society. The visit was organized under the direction of **Dr. G. Bhatt**, *the faculty In-charge of NSS, NIT Raipur*.

Institute Observed the NCC Day

The Institute celebrated the **National Cadets Corps (NCC)** day on 24th Nov., 2019. To serve the society and memorize the NCC day, all the permanent instructors (PI), staff members, ANOs and CO of 5 CG CT (I) COY, NIT Raipur, participated in the **Blood Donation Camp**, which was organized by the Head Quarters of NCC, Bhopal. The *Commander Officer, Mr. S. Nair* applauded all the cadets of NIT Raipur by conferring them with the award- **Cap of Honour**.

Shruti



Raaga-the Music Club of NIT Raipur hosted its flagship event **Shruti** - the Annual Musical Event on 19th Oct., 2019, in which students showcased their various musical talents. The Chief Guest **Dr. S. Verma**, *Dean Academics*, NIT Raipur inaugurated the event. With this edition of *Shruti*, the Raaga also completed its 10 years of the musical journey. The event was organized under the guidance of **Dr. A. Khare**, *Professor In-Charge, Raaga*.

Training and Placement Cell

Training and Placement cell, NIT Raipur organised a special session on *Innovative Ways to Market* on 4th Dec., 2019. In this session, the Chief Guest **Dr. Rajgopal Verma**, *Professor, EGADE Business School, Mexico City* delivered the plenary lecture

Ek Bharat Shrestha Bharat

As per direction of the MHRD **Ek Bharat Shrestha Bharat cell**, NIT Raipur organized a five-day program from 13th to 17th Dec., 2019. In this program, 36 students of **SVNIT Surat** along with their faculty **Dr. A. Muley**, visited the Institute. The main aim of the program was to showcase local culture, architecture and traditional practices to the students of counterpart Institute. A village trip to *Khatti* was organized to show rural settings of Chhattisgarh. A trip to *Sirpur* was also organized to show heritage, architecture, and culture of the place. Students also visited jungle safari in Naya Raipur. **Dr. A. M. Rawani**, Director NIT Raipur Instructed with the Student of SVNIT Surat. This event was organized under the guidance of **Dr. S. Agrawal**, Nodal officer EBSB.

The Grand Garba Eve'19



Nrityam The dance Club, NIT Raipur organized the **Grand Garba Eve'19** on 4th Oct., 2019 under the guidance of **Dr. N. Gupta**, Professor In-charge Nrityam. The day also marked the completion of the auspicious week of Navratri- *worship of Goddess Durga*.

Interact Club

The **Interactive Club of NIT Raipur** organized the event **E-Raksha Quiz** on 16th Oct., 2019 in collaboration with **Raipur Police** to bring awareness about Cyber Crimes in India. Students from 120 schools of Chhattisgarh participated in the quiz competition.

Samar

Samar the Sports Fest of the Institute was organised from 13th to 16th Dec., 2019. The Fest was inaugurated by **Dr. A. M. Rawani**, Director, NIT Raipur. Various tournaments of Hockey,



Kabaddi, Kho-kho, Cricket, Handball, Yoga, Carrom, Chess, Basketball, Badminton, table tennis, football etc were the major attractions of the event. Students from more than 36 Institutions participated in the fest. The event was concluded with medal ceremony in which the Interbranch Trophy was lifted by the

students of the Department of Electrical Engineering and Mining Engineering, NIT Raipur. this event was organised under the guidance of **Mr. S. Pramanik**, Professor In-Charge Shaurya.

Alumni News

Alumni Meet



NIT Raipur alumni meet of San Francisco chapter Bay area was organized on 12th Oct. 2019 at Sartoga USA, in which Director **Dr. A. M. Rawani** participated and addressed the alumni. He requested alumni to give their feed back for the upliftment of the Institute. He also made an appeal to give back their own Institute by donating in Institute donation fund. Alumni appreciated the recent development of the Institute and also gave their constructive suggestions.

Annual Alumni Meet 2019



Annual Alumni Meet was conducted by Alumni Association of GEC-NIT Raipur on 22nd Dec., 2019 in the campus of NIT Raipur. The Meet marked the Golden Jubilee Reunion of 1969 batch and Silver Jubilee Reunion of 1994 batch. Approx. two hundred Alumni attended the Meet.

Alumni Achievement

Mr. R. P. Mandal (1981,Electrical Engineering) has been appointed as Chief Secretary, Government of Chhattisgarh.

Mr. Kartikeya Singh Chauhan (2015,Electrical Engineering) secured 1st position at the Indian Engineering Services Examination 2019 in the Electrical Engineering Branch.

Ms. Nikita Tiwari (2019, Electronics and Telecommunication) is launching her innovative product **SHOOL** (Smart Soil Sensor), that has been Validated by **ISRO**.



R. P. Mandal

Kartikeya Singh Chauhan

Nikita Tiwari

Golden Tower

First Phase of **Golden Tower** was inaugurated by Chief Guest **Mr. G. S. Agarwal**, An alumnus and Ex speaker CG Vidhan Sabha, **Mr. K. G. Deshpandey**, An alumnus of the Institute, **Dr. A. M. Rawani**, Director, NIT Raipur, **Mr. K. D. Diwan**, President, Alumni Association and **Mr. M. Chandak**, Secretary, Alumni Association on 22nd Dec., 2019. The Golden Tower consists of Alumni Office, Guest Rooms, Cafeteria, Conference Halls, Incubation Centre of the Institute and various other facilities.



Contribution to the Institution

Donate online in "NIT Raipur Donation Fund" (<https://www.eduqfix.com/OnlineForms/nitrdfform/add>). Donations are exempted under 80G of IT Act. The list of the contributors during the previous quarter is as under:

Faculty Members and Alumni

- Dr. A. M. Rawani
- Dr. Yeddu Vijaya Babu
- Mr. Amey Tripathi
- Ms. Neetu Divya
- Mr. Sanjay B Patil

Caution Money Donation by 2019 Batch

- | | | | | | |
|-----------------------------|--------------------------|---------------------|-----------------------|-------------------|--------------------|
| • Aishwarya Khare | • Apoorva Krishna Mishra | • Dhiraj Kumar | • Mridal Yadav | • Ratesh K Singh | • Sddharth Bhai |
| • Ajin | • Arun Kumar | • Eesh Jain | • Nikhit Rahul Dhande | • Roshan Dewangan | • Shaurya Mahur |
| • Akash Kumar | • Ashish Kumar | • Gaurav Sinha | • Nitish Agrawal | • Sagar Sharma | • Shivangee Bhadra |
| • Aknla Jeya Krishna Chandu | • D.Rupesh Kumar | • Jayant Jasswani | • Pratik Sarode | • Saket Pradhan | • Suyash Tripathi |
| • Amit Sidharsh | • Deepak Agrawal | • Madhusuadan Gupta | • Pratyush Rathore | • Sarbhanu Saha | • Vaibhav Patel |
| | | • Malash Sai Kiran | • R.N Surya | • Sayali Satdeva | |

Follow us on:

