



National Institute of Technology Karnataka, Surathkal
Mangalore - 575 025, Karnataka, India

NITK NEWS LETTER

WAVES

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Message from the Director



It is with great pleasure that I place the current issue of our newsletter Waves before you. Like the currents of the Lakshadweep Sea that roll up the Western side of the campus, Waves brings another clutch of fresh news for its readers. We have a new undergraduate programme, B.Tech in Computational and Data Sciences (CDS) following on the heels of the B.Tech programme in Artificial Intelligence introduced in the previous academic year. This makes CDS the eleventh B.Tech programme to be offered at NITK. A new M.Tech programme – Power Electronics & Control for Electric Vehicle has been launched in collaboration with Bosch in the academic year 2022-23, adding to the basket of 28 M.Tech programmes, all of which have been well-received by our students. The Central Research Facility (CRF) which was functioning from a temporary arrangement till recently, got its own well-designed spacious building where state-of-the-art equipment are housed. These are meant for the PG and PhD research students of the Institute, as well as for providing testing and consulting services to other institutes and industry. In line with the suggestion of the honourable Minister of Education, Shri Dharmendra Pradhan, the Institute is gradually introducing various elements of the National Education Policy 2020 in the curriculum as well as planning forays in sustainability (energy and environment) and other areas important for national and social development.

B. Ravi

Director, NITK Surathkal

Prefatory Note

The current issue of *Waves* compiles the important activities and developments at NITK Surathkal from July 2022 to June 2023. We have been following the calendar year while compiling the news until now. However, from this volume onwards, we present to you the newsletter as per the academic year. This is because the academic year happens to be the prism through which we assess several of our academic and non-academic parameters. Hence, we are of the opinion that this way of presenting news puts things in a more familiar perspective. We are combining the two issues of the ninth volume here: the first issue covers the period of July to December 2022 and the second issue covers January to June 2023. Both are presented contiguously though. We are thankful to all the teaching and non-teaching staff, editorial team, and administration for their cooperation in bringing out this volume. As always, we do not claim to cover *all* achievements accomplished by the NITK community during the period, but we hope we have not missed the milestones of the academic year.



Shashikantha Koudur and T.K. Shajahan
Coordinators – *Waves*

Editorial Team

Shashikantha Koudur

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T.K. Shajahan

Co-Coordinator

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Co-Coordinator

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Dean (Students Welfare)

Shreekantha S. Rao

Dean (Alumni & Corporate Relations)

Satyabodh M. Kulkarni

Dean (Research and Consultancy)

Annappa B.

Chairman, Career Development Centre

Contents (January - December, 2023)

	Page No.
♦ Our New Director	5
♦ New Administrative Assignments	6
♦ 20 th Annual Convocation	11
♦ Other Centrally Organised Events	13
♦ Conferences/Workshops Organized	16
♦ Faculty Achievements	33
♦ Projects/Consultancies Sanctioned	40
♦ Students Achievements	47
♦ Students' Activities	51
♦ News from the Dean's (Research and Consultancy) Office	62
♦ News from the Central Library	62
♦ News from NITK Hostels	64
♦ Alumni Activities	66
♦ MoUs Signed	71
♦ Placement & Internship Particulars	72
♦ New Infrastructure	75
♦ Central Research Facility (CRF)	76
♦ Retirement – Teaching and Non-teaching Staff	78

OUR NEW DIRECTOR



Prof. B. Ravi took charge as Director of the Institute on 15 June 2023. Prof. Prasad Krishna handed over the charge to Prof. B. Ravi. Prior to this appointment, Prof. B. Ravi was at IIT Bombay as an Institute Chair Professor of Mechanical Engineering. He is a distinguished alumnus of another NIT (Rourkela) and has completed his Masters and PhD at IISc Bangalore. He is well known for his contributions in the fields of metal casting and medical devices. He headed the Desai Sethi School of Entrepreneurship at IIT Bombay. Prof. Ravi sought the help of all stakeholders including faculty, staff, students, and alumni in making NITK a widely admired institute.

New Administrative Assignments

Details of Deanship			
Sl. No.	Deanship	Name	With Effect From
1	Dean (Alumni Affairs and Institutional Relations)	Prof. Shrikantha S. Rao	01.02.2023

Head of the Department/ School			
Sl. No.	Name	Department/ School	With Effect From
1	Dr. Sheena	School of Humanities, Social Sciences and Management	25.01.2023
2	Dr. Manu Basavaraju	Computer Science and Engineering	15.02.2023
3	Dr. K. Varija	Water Resources and Ocean Engineering	25.03.2023
4	Dr. Neelawar Shekar Vittal Shet	Electronics and Communication Engineering	19.04.2023
5	Dr. Harsha Vardhan	Mining Engineering	21.04.2023
6	Dr. Subhash C. Yaragal	Civil Engineering	22.04.2023

Details of Associate Deanship			
Sl. No.	Associate Dean Positions	Name	With Effect From
1	Associate Dean (P&D) I	Dr. Suresha Subbarao Nagabhushan Rao	26.04.2023
2	Associate Dean (P&D) II	Dr. Manu	26.04.2023

Details of faculty members as “Faculty Advisor” for various clubs of the Institute

Sl. No.	Club Name	Faculty Advisor	Name of the Department	From
1	SPICMACAY	Dr. (Ms.) Bhawana Rudra	Information Technology	27.09.2022

Details of Wardenship Assigned

Sl. No.	Name, Designation, and Department	Responsibilities	From
1	Dr. Jothi Ramalingam, Department of Mathematical and Computational Sciences	Everest (Mega Tower I)	22.09.2022 (Afternoon)
2	Dr. Debabrata Karmakar, Department of Water Resources and Ocean Engineering	Aravali (II Block)	22.09.2022 (Afternoon)
3	Dr. Sumanth Govindarajan, Department of Metallurgical and Materials Engineering	PG NEW	22.09.2022 (Afternoon)

DETAILS OF COORDINATORS

Sl. No.	Name of the Official	Name of the Position (If not Coordinator)	From
1	Dr. Basavaraj Talawar	Faculty In-charge – MIS Office	01.07.2022 (AN)
2	Dr. Sheena	Chairperson - “Internal Complaint Committee” to Examine Complaints of Sexual Harassment of Women at Workplace	04.07.2022
3	Ms. Baby Kishori	“Record Officer” to maintain micro-filming records	01.08.2022
4	Ms. Baby Kishori	Assistant Central Public Information Officer (ACPIO)	01.08.2022
5	Dr. Prashantha Kumar H.	Faculty In-charge (Internal Telephone Exchange, BSNL Centre)	16.08.2022

6	Dr. Prajof P.	Nodal Officer for “EK BHARAT SHRESHTHA BHARAT (EBSB)” Cell in the Institute	16.09.2022
7	Dr. Shrikantha S. Rao	Siemens Centre of Excellence (CoE)	16.09.2022
8	Dr. Arun Kumar Shettigar	Co-Coordinator - Siemens Centre of Excellence (CoE)	16.09.2022
9	Dr. (Ms.) Khyati Verma	SPoC for YUKTI	26.09.2022
10	Dr. (Ms.) Bhawana Rudra	SPoC for KAPILA	27.09.2022
11	Ms. Priyanka Dattanand Amadalli	Central Public Information Officer (CPIO)	03.10.2022
12	Dr. Jagannatha Nayak	Part-time Chief Vigilance Officer (CVO)	Appointed as per the MoE Order w.e.f. 12.10.2022
13	Dr. Narendranath S.	Professor In-charge (Hostel Affairs)	14.10.2022
14	Dr. M. Shankaranarayana Bhat	Transparency Officer under the RTI Act, 2005	20.10.2022
15	Dr. Saikat Dutta	SPARC Projects	02.12.2022
16	Dr. V. Murugan	Liaison Officer - OBC Cell	30.12.2022
17	Dr. Subray R. Hegde	Indian Science Technology and Engineering Facilities Map (I-STEM).	12.01.2023
18	Dr. Ravi Raushan	Programme Officer - NSS Advisory Committee	21.02.2023
19	Shri Ram Mohan Y.	Officer in Charge - Legal Affairs	28.03.2023
20	Dr. Alwyn Roshan Pais	President - NITK English Medium School Trust	06.04.2023
21	Dr. Katta Venkataramana	Faculty In-charge from NITK, Surathkal for L&T Sponsored M.Tech programme – Construction Technology and Management programme (CTM).	06.04.2023

22	Dr. Varghese George	L&T Sponsored M.Tech programme – Construction Technology and Management programme (CTM).	06.04.2023
23	Dr. Laxminidhi T.	“Professor In-charge, Analytics, Accreditation, and Ranking System” and “Ranking Coordinator”	11.04.2023
24	Dr. Subrahmanya Kundapura	In-charge Superintending Engineer and Faculty In-charge–Institute Guest Houses	29.04.2023
25	Dr. Annappa	Chairman - Career Development Centre (CDC)	28.04.2023
26	Dr. Sharnappa Joladarashi	Faculty In-charge, Skill Hub, NITK	21.04.2023
27	Dr. Nagendrappa H.	SRC Music Club	28.04.2023
28	Dr. Sowmya Kamath S.	SRC Music Club	28.04.2023
29	Dr. Sowmya Kamath S.	SRC Dance Club	28.04.2023
30	Dr. Sumanth Govindarajan	SRC Dance Club	28.04.2023
31	Dr. A. V. Narasimhadhan	SRC Fine Arts Club	28.04.2023
32	Dr. Sridhar G.	SRC Fine Arts Club	28.04.2023
33	Shri Ram Mohan Y.	SRC Yoga Club	28.04.2023
34	Shri Gangadhara B.	SRC Yoga Club	28.04.2023
35	Dr. Manu Basavaraju	SRC Sports Club	28.04.2023
36	Dr. Selvakumar Murugesan	SRC Sports Club	28.04.2023
37	Dr. Sreevalsa Kolathayar	Fulbright Campus Representative (FCR) for NITK, Surathkal	27.03.2023
38	Dr. Vasudeva Madav	Centre for Sustainable Energy Engineering	10.03.2023
39	Dr. Raviraj H. Mulangi	STA - Coordinator, PMGSY	01.05.2023

Newly joined Non-teaching Staff (on Deputation Basis)

Sl. No.	Name of the Official	Designation	Department	Date of Joining	Remarks
1	Shri Girish Shet K.	Executive Engineer (Civil)	Works Establishment Section	15-11-2022 (Forenoon)	On deputation from the Public Works Department (PWD), Government of Karnataka.

New Beginnings/Changes in Nomenclature

Sl. No.	Particulars
1.	Department of Mathematics and Computational Sciences began a B.Tech programme in Computational and Data Science in the academic year 2022-23.
2.	Department of Electrical and Electronics Engineering began an M.Tech programme in Power Electronics and Control for Electric Vehicles, in collaboration with Bosch in the academic year 2022-23.
3.	The “School of Management” in the Institute is renamed as “School of Humanities, Social Sciences and Management” from the Academic Year 2022-2023.
4.	The “Department of Physical Education & Sports” in the Institute is renamed as “Department of Physical Education, Sports, and Student Activities” from the Academic Year 2022-2023.
5.	The Centre for Sustainable Development (CSD) and Centre of Excellence for Disaster Risk Reduction (CoE – DRR) have been merged and renamed as “Center for Sustainable Energy Engineering”, vide NITK Office Memorandum Ref. No.: 5210/NITK-CSD-CoEDRR-CSEE/2023/B1, dated 10 th March, 2023.
6.	The position of “Dean (Alumni Affairs and Institutional Relations)” in the Institute is re-designated as “Dean (Alumni and Corporate Relations)”, vide NITK Office Memorandum Ref. No.: 9465-AAIR/BoG-NITK-Estt./2023/B1, dated 16 th June, 2023.

20TH ANNUAL CONVOCATION

The 20th Annual Convocation of the Institute was celebrated on 15 October 2022. Union Cabinet Minister for Education, Skill Development and Entrepreneurship, Shri Dharmendra Pradhan was the Chief Guest on the occasion. Shri K. Yajnanarayana, Managing Director, Sona Group of Industries, and Shri Milind V. Baride, Vice-President, India Region, Maire Tecnimont, Italy, were the Guests of Honour. 844 undergraduate, 817 postgraduate, and 126 doctoral scholars received their degrees in this convocation. 249 B.Tech students additionally received a Minor in other areas in addition to their B.Tech degrees. The Institute awarded B.Tech (Honors) degrees for the very first time. In this convocation, nine B.Tech students and thirty PG students earned the Institute Gold medals and medals sponsored by other entities for achieving the best CGPA. Shri Dharmendra Pradhan presented the medals to the graduands.



Union Cabinet Minister for Education, Skill Development and Entrepreneurship, Shri Dharmendra Pradhan addresses the graduands on the occasion.

Speaking on the occasion, Minister, Shri Dharmendra Pradhan highlighted the importance of NEP 2020 and said that the Policy aims to assimilate ancient with the modern and strive to produce well-rounded citizens of the world – to create global citizens. Therefore, he said, expansion into fields beyond engineering makes for a better research and innovation possibility, especially when platforms like the Central Research Facility provide state-of-the-art technology to faculty and students. The aim is to place India among developed nations by 2047 when the country celebrates 100 years of independence from British rule, he added. Shri Pradhan encouraged the Institute

to create a full-fledged Sustainable Energy Department to make it a leading lighthouse in energy transition.

The then Director, Prof. Prasad Krishna presented the Convocation Report. Guests of Honour, Shri K. Yajnanarayana and Shri Milind V. Baride spoke on the occasion.



CENTRAL RESEARCH FACILITY NEW BUILDING

Inaugurated by
Hon'ble MHRD Minister
Shri Dharmendra Pradhan
on 15th October 2022



Union Cabinet Minister for Education, Skill Development and Entrepreneurship, Shri Dharmendra Pradhan inaugurated the newly constructed Central Research Facility (CRF) and School of Interdisciplinary Studies [CoEs] building with a total area of 10,394 square meters and with a cost of Rs. 48 crores.

CRF NEW BUILDING



Other Centrally Organized Events

Orientation and Induction Programme

The Orientation Programme for all the first-year B.Tech. students was conducted on 10 November 2022 at the Silver Jubilee Auditorium (SJA) of the Institute. All the first-year students along with their parents attended the programme. This was followed by the Induction Programme from 10 to 13 November. First-year students were given training in various aspects of fitness and stress management. They were also exposed to various art forms such as music, dance, etc.



NITK Celebrates *Swachhata Pakhwada*

NITK celebrated *Swachhata Pakhwada*, an initiative by the Ministry of Education, Government of India, during 1-15 September 2022. The programme was inaugurated by the Chief Guest, Swami Ekagamyandaji, Ramakrishna Mission, Mangalore, followed by a “Zero Waste Management” workshop by Dr. Vasudeva M., Project Investigator, Campus Waste to Energy Project. Prof. Mohan Kumar G.C. (In-charge Director), Mr. Ravindranath (Registrar), Mr. Ram Mohan Y (Joint Registrar), Deans, HODs, Staff and Students of the Institute joined the inaugural ceremony. As part of the *Swachhata Pakhwada* programme, all departments carried out innovative cleaning activities in and around the campus aiming to minimize the wastage of drinking water and to maintain cleanliness and high-level sanitation that can contribute to a clean and hygienic campus. Also, to make it more interesting, the best departments received awards for having contributed in the best possible manner.

Under the auspices of NITK Sevalal, weekly Swachh Bharat Programmes have been carried out on the Institute campus by the staff, faculty, students, and housekeeping staff since August 2019. The 50th week of the programme was celebrated during this time.

Beach Clean-up Drive at Iddya Beach

The event was organised collectively by the Centre for Marine Living Resources and Ecology, Kochi, and NSS, NITK at Iddya Beach, Surathkal on 30 August 2022. A total of 115 members of NSS, NITK participated in the activity. The Dean of Students Welfare was the chief guest at the event. The clean-up drive started on the beach in the evening, and the volunteers collected the plastic found alongside the sea coast in the area. The total waste collected was 350 kg. The waste was taken by the Centre for Marine Living Resources and Ecology, Kochi, for recycling purposes.



Rashtriya Ekta Diwas Celebrations 2022 and “Unity Run”

On the occasion of the 147th birthday of Sardar Vallabhbhai Patel, NITK Surathkal organized *Rashtriya Ekta Diwas* followed by the “Unity Run” on 31 October 2022. Director, Deans, Registrar, Joint Registrar, Assistant Registrars, Associate Deans, faculty, staff, and students assembled at the Institute’s Main Building at 6.45 AM. The “Unity Run” from NITK to Surathkal City and back to NITK covering about 5 km, was kick-started by the waving of the flag by the chief guest. More than 900 participants including students, faculty, and staff successfully completed the run.



To celebrate the life and contributions of Sardar Vallabhbhai Patel, an exhibition titled “Sardar Patel” was held from 25 to 31 October 2022 in the Diamond Jubilee Exhibition Hall of the Main Building.



“Sardar Patel” at the Diamond Jubilee Exhibition Hall

Conferences/Workshops/GIAN Programmes/Expert Lectures Organized

Department of Chemistry

Sl No.	Title of the event	Coordinator/ Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc. with affiliation
1.	Expert Lecture on “Synthesis and characterization of Nanocomposite materials for wellness, food safety and commercialization”	Dr. B. Ramachandra Bhat	26 October 2022	Prof. Gil Nonato Santos, Professor, Department of Physics (Head, iNano Research Facility), De La Salle University, Manila, Philippines
2.	Expert Lecture on “From biomarker discovery to detection: biosensors for biomedical and food analytes”	Dr. B. Ramachandra Bhat	26 October 2022	Dr. Minhaz Uddin Ahmed, Associate Professor, Chemical Science, Faculty of Science, Universities Brunei Darussalam, Brunei Darussalam
3.	Expert Lecture on “OLED Technology: Chemistry and Engineering”	Dr. B. Ramachandra Bhat	21 November 2022	Dr. Vishnumurthy Hegde, Group Leader, Adesis, USA



With Dr. Minhaz Uddin Ahmed, Faculty of Science, Universiti Brunei, Darussalam

Department of Civil Engineering

Sl No.	Title of the Event	Coordinator/Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc. with affiliation
1	Invited lecture on "Different Avenues in Civil Engineering"	Dr. Pavan G. S and Dr. Sunil B. M	6 October 2022	Mr. Anil Pillai, Head of Technical Services, Ramco Cements
2	A one-day workshop on "Problematic Slips and Analytic tips"	Dr. B. M. Sunil and Dr. Basavaraju Manu	17 October 2022	Institution of Engineers (India), Mangalore local chapter
3	A two-day workshop on "Non-Destructive Testing & Repair Material Characterization (NRM-C-22)"	Dr T Palanisamy and Dr Prashanth. M. H.	3 to 4 November 2022	Dr. M. Ramachandra Bhat (IISc Bangalore), Dr. Murali Gopal (CPCRI, Kasargod), Dr. Prabhakar J. (CSIR-SERC, Chennai)
4	Invited lecture on "Case Studies on Integrity Assessment of Drill Shafts."	Dr. Sreevalsa Kolathayar	4 November 2022	Dr. C.R. Parthasarathy (Sarathy Geotech and Engineering Services Pvt Ltd)
5	Invited lecture on "Artificial Intelligence in Computational Mechanics"	Dr. Pavan G. S	16 November 2022	Dr. Soumya Swayamjyoti, Adjunct Faculty, Department of MACS, NITK
6	Invited lecture on "Transient Heat Transfer Analysis Including Cavity Radiation in Aluminum Hollow Sections and Curtain Wall Systems"	Dr Prashanth. M. H.	20 December 2022	Mr. Dravesh Yadav, Research Scholar, IIT Gandhinagar
7	International Conference on Climate Resilient Construction and Building Materials	Conference Chairman: Prof. Leon Black Professor of Infrastructure Materials, Univ. of Leeds, U.K.	3 to 5 March, 2023	1. Prof. Leon Black, Professor of Infrastructure Materials, University of Leeds, U.K. 2. Prof. Bishwajit Bhattacharjee, Emeritus Professor, Dept. of Civil Engg., IIT, Delhi

		<p>Organizing Chair- Dr. Bibhuti Bhusan Das, Dept. of Civil Engineering, NITK Surathkal with Coordinators from other institutes</p>		<p>Plenary Speakers-</p> <ol style="list-style-type: none"> 1. Prof. Venkatesh Kodur, Distinguished Professor, Director of the Centre on Structural Fire Engg. and Diagnostics, Dept. of Civil and Environmental Engg., Michigan State University, Lansing, USA 2. Prof. Sudhir Kumar Barai, Director/Senior Professor, BITS Pilani, Professor, Dept. of Civil Engg., IIT Kharagpur
<p>Keynote Speakers-</p> <ol style="list-style-type: none"> 1. Prof. Manu Santhanam, Professor, Building Technology of Construction Management Division, Dept. of Civil Engg., IIT Madras 2. Dr. Salim Barbhuiya, Senior Lecturer, School of Architecture, Computing and Engg., University of East London, U.K. 3. Prof. Radhakrishna G Pillai, Professor, Building Technology of Construction Management Division, Dept. of Civil Engg., IIT Madras 4. Dr. Vasant Matsagar, Dogra Chair Professor, Dept. of Civil Engg., IIT Delhi 5. Dr. Santosh G Thampi, Professor and Head, Dept. of Civil Engg., NIT Calicut 6. Dr. K V L Subramaniam, Professor, Dept. of Civil Engg., IIT Hyderabad 7. Prof. Kumar Pallav, Associate Professor, Department of Civil Engg. and Geomatics, Cape Peninsula University of Technology, Cape Town, South Africa-7700 8. Dr. Umesh Chandra Sahoo, Associate Professor, School of Infrastructure, IIT, Bhubaneswar, India 9. Dr. Piyush Chaunsali, Assistant Professor, Building Technology of Construction Management Division, Dept. of Civil Engg., IIT Madras 10. Dr. Jitendra Kumar Singh, Assistant Professor, Centre for Creative Convergence Education Hanyang University, Republic of Korea 11. Dr. Souradeep Gupta, Assistant Professor, Centre for Sustainable Technologies, IISc Bengaluru 				
8	International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges	<p>Organizing Secretaries: Dr Raviraj H M Department of Civil Engg., NITK Surathkal; Dr Pavan G S</p>	20 to 21 April, 2023	<p>Chief Guest: Prof. Vinod Chandra Menon Founder, NDMA Guest of Honor: Prof. Darren Chian Siau Chen Associate Professor</p>

Department of Civil
Engg., NITK
Surathkal

Department of Civil and
Environmental Engineering
National University of
Singapore

Keynote Speakers:

1. Dr. K.S. Nanjunda Rao, Chief Research Scientist, Department of Civil Engineering, IISc, Bangalore
2. Prof. M V L R Anjaneyulu, Professor, Department of Civil Engineering, NIT, Calicut
3. Prof. Darren Chian Siau Chen, Associate Professor, Department of Civil and Environmental Engineering, National University of Singapore
4. Prof. Kevin Paine, Professor, University of Bath, UK
5. Prof. Fadi Aldakheel, Professor of High Performance-Computing, Leibniz Universität, Hannover

Photos of Conferences Conducted

1. International Conference on Climate Resilient Construction and Building Materials



Inaugural Ceremony- lighting the lamp



Felicitation of Prof. Bishwajit Bhattacharjee, Emeritus Professor, Dept. of Civil Engg., IIT, Delhi



Keynote lecture by Prof. Vasant Matsagar, Dogra Chair Professor, Dept. of Civil Engg., IIT Delhi

2. International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges



Inauguration ceremony and lighting of lamp of SIIOC - 2023 conference



Felicitation of Prof. A U Ravishankar with Life-time Achievement Award



Felicitation of Prof. K Swaminathan with Life-time Achievement Award



Prof. Darren Chian Siau Chen delivering the keynote address

Department of Computer Science & Engineering

Sl.No.	Title of the Event	Coordinator	Held during	Experts
1.	Expert Lecture on "Student Interaction: Entrepreneurship in Finance and Trading"	Dr. Basavaraj Talawar	17 October 2022	Sri. Rajib, Ranjan Borah, Co- Founder and CEO, iRageCapital and Visiting Faculty, IIM Ahmedabad
2.	Cloud Computing Webinar Series	Dr. Annappa / Dr. Sourav Kanti Addya	31 October – 4 November 2022 (Virtual Mode)	Experts from IBM: Norton Sa Stanley, Josephine E Justin, Hari K Arla Bhagyashree, Bhaya, Malarvizhi Kandasamy, Srihari Kulkarni, Anuj Chandra, Pramod V Gavali, Akash Gunjal, Neeraj Kumar Kashyap, Arshad Ahamad,

				Subhasree Das, Jyothi R Nagbhushana Smith S Naik, Monisha Victor, Piyush Mundra, Kshama Gurudutt, Charan Acharya, Chandrashekar, Neyyan Varghese Sony, Shourav De, Nagasuresh Dondapati, Pradeep S Gopalgowda, Prashanth Bhat.
3.	7 th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE 2002)	Dr. Annappa / Dr. Sourav Kanti Addya in collaboration with ECE, IT, and EEE Department	1-3 December 2022	<ol style="list-style-type: none"> 1. Prof. VLN Simhan, Professor and Chair, Department of Computer Science Southern Georgia University, USA. 2. Prof Soumya K Ghosh., Professor, Department of Computer Science and Engineering, Indian Institute of Technology Kharagpur, India
<ol style="list-style-type: none"> 3. Prof Rajesh M Hegde. Professor and Head, Department of Electrical Engineering, Indian Institute of Technology, Kanpur 4. Prof. Marcin Paprzycki. Working at Systems Research Institute Polish Academy of Sciences 5. Srihari Kulkarni. Software Architect for the Cloud Object Storage service on IBM Cloud 				
4	Short Term Training course on IoT and Embedded Systems	Dr. Basavaraj Talawar, Dr. Sourav Kanti Addya, Dr. Nikhil S (ECE Dept.), Dr. Kiran Manjappa (IT Dept.)	07-11 August 2023	NA



STTP course on IoT and Embedded System

Department of Electrical and Electronics Engineering				
Sl. No.	Title of the Event	Coordinator/ Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc with affiliation
1.	AICTE Training & Learning (ATAL) Academy Sponsored Two Week Hybrid (Online & Offline) Faculty Development Programme on “Applications of Power Electronics Technology for Electric Vehicle Systems”.	Dr. B. Venkatesa Perumal Dr. V. Vignesh Kumar	19-30 September 2022	Dr. N. Lakshmi Narasamma, Professor, IIT Madras Dr. L. Ashok Kumar, Professor, PSG Tech, Coimbatore Dr. R. Sudarsan Karthik, Associate Professor IIST, Trivandram Dr. S. Kumaravel, Associate Professor NIT, Calicut Dr. S. Thangavel, Associate Professor NIT, Puducherry Dr. M.M. Rajan Singaravel, Asst. Professor, NIT Puducherry Mr. Gowri Sankar, Lead Engineer, Vitesco Technologies Pvt. Ltd. Mr. Subramanya Adiga, Executive Director, Apsaram Technologies Pvt. Ltd. Dr. K. Vijayakumar Assistant Professor, IIITDM Kanchipuram
2.	One-week High-End Workshop Sponsored by DST-SERB on “Power Electronic Systems and Its Real-Time Control Implementation using DSP based Microcontroller”.	Dr. Prajof P.	12- 18 September 2022	Dr. Shreelakshmi M.P., Assistant Professor, NITC, Kerala Dr. Nikhil Sasidharan, Assistant Professor, NITC, Kerala Dr. Vivek Agarwal, Professor, IIT-Bombay, Mumbai Dr. Ramchandra Bhosale, Research Engineer, igren Energi Inc., Mumbai. Dr. Dipankar Debnath, Assistant Professor, IIT-KGP Dr. Subhendu Dutta, Assistant Professor, IIT-Delhi Dr. Amit Kumar Gupta, R&D specialist, L&T Technology Services Limited, Bangalore

				Dr. Abhijit Choudhury, Senior Researcher, Hitachi Ltd., Research & Development Group, Japan
3.	One-week High-End Workshop Sponsored by DST-SERB on “Microcontroller for the Implementation of Power Electronic Converters in Renewable Energy Systems”.	Dr. Ravi Raushan, Waseem Ahmad B. Dastagiri Reddy, Prajof P., and Dharavath Kishan	14-21 December 2022	Dr. Utsab Kundu, INSPIRE Faculty Fellow, Indian Institute of Science (IISc), Bengaluru. Mahmadasraf A. Mulla, Associate Professor, SVNIT, Surat Dr. Dipankar Debnath, Assistant Professor, IIT Kharagpur. Dr. Ranjan Kumar Behera, Associate Professor, IIT Patna. Dr. Vamja Rajan Vinodray, R & D Manager, National Infotech, Surat
4.	One-week High-End Workshop Sponsored by DST-SERB on “DSP TMS320F Microcontroller for Power Electronic Converter Systems”.	Dr. Dharavath Kishan Dr. Prajof P Dr. Ravi Raushan Dr. B Dastagiri Reddy Dr. Nagendrappa H	05-12 December 2022	Dr. B. Pradeep Kumar, Tech Lead R&D, Pyrologics India Pvt Ltd. Dr. Rupesh Ganpatrao Wandhare, Asst. Professor, IIT-H Mr. Ravi Teja, OPAL-RT Technologies India Pvt. Ltd, Bangalore Dr. Utsab Kundu, DST Inspire Faculty, IISC Bangalore Dr. Amit Kumar Gupta, Technical Manager Transportation (EV) Unit, LTTS Ltd.
5	Expert talk on “Application of Power Electronics in Electric Vehicles”.	Department-coordinated	3 November 2022	Dr. Ashoka K.S. Bhat, Emeritus Professor, Dept. of ECE, University of Victoria, Canada
6	Expert talk on “Emerging Research Trend in EV Technologies and Battery Charging”	Dr. B.Venkatesa Perumal	15 February 2023	Prof. Bhuvaneswari Gurumoorthy (Former Professor, IIT Delhi)
7	Skill Development Programme on PCB design using open source	Dr. Nagendrappa H	22 to 27 May 2023	



Glimpses from the Faculty Development Programme on “Applications of Power Electronics Technology for Electric Vehicle Systems”



One-week High-End Workshop Sponsored by DST-SERB on “Power Electronic Systems and Its Real-Time Control Implementation using DSP based Microcontroller”



One Week High-End Workshop Sponsored by DST-SERB on “Microcontroller for the Implementation of Power Electronic Converters in Renewable Energy Systems”



One Week High-End Workshop Sponsored by DST-SERB on “DSP TMS 320F Microcontroller for Power Electronic Converter Systems”

Sl. No.	Title of the Event	Coordinator/ Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc with affiliation
1.	A 3-Day Faculty Development Program on “SoC Design Methodology using Intel FPGAs”	Dr. Sumam David S. Dr. Ramesh Kini M	December 01-03, 2022.	Department faculty

Department of Information Technology

Sl. No.	Title of the Event	Coordinator/ Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc with affiliation
1	SPELL 2022 - 1 st International Conference on Speech and Language Technologies for Low-resource Languages 23–25 November 2022 SSN College of Engineering, Chennai, India	Co-Organizer: Dr. Anand Kumar M	23 to 25 November 2022	Deepak Padmanabhan Queens University-Belfast, United Kingdom Dias P.G.V. University of Moratuwa, Sri Lanka Kalika Bali Principal Researcher, Microsoft Research India Kevin Patrick Scannell Saint Louis University, UK Miguel Ángel García Cumbreñas Universidad de Jaén, Spain
2.	Online Workshop on “Innovations with Intel one API”	Dr Anand Kumar M	31 October 2022.	Dr. Shriram Kris Vasudevan Lead – Technical Evangelist, APJ, Intel India Pvt. Ltd. Bengaluru, India.
3.	Deep Learning for Building Conversational AI Applications	Dr. Sowmya Kamath S. and Dr. Geetha V.	10 March 2023	Mr. Sujan Gowda, CTO, Edudemy Labs, Bangalore
4.	HackVerse 2023	Dr. Sowmya Kamath S.	April 15-16, 2023	Anup Pai Founder And CEO - ESamudaay Fintellix Solutions Ravi Haldipur Co-founder & Head of Business Development at ESamudaay Rakesh Ravuri Engineering Leader & CTO @ Publicis Sapient

				Aditi Gupta Software Engineer at Google Manan Poddar Software Engineer at Airbnb Denver Dsouza Chief Operating Officer – Devfolio
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Department of Mechanical Engineering

Sl. No.	Title of the Event	Coordinator/ Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc with affiliation
1	One-day Collaborative research interaction	Head of Department	22 July 2022	Dr. K Venkatesh from CSIR-NAL
2	One-day Collaborative research interaction	Head of Department	29 July 2022	Alumni, Batch of 1979
3	One-day Workshop on Interactive Flat Panel Smart Board: Product demonstration	Dr Arun Kumar Shettigar	17 August 2022	Mr Sabrinathan
4	Interaction on Catalyse Tech 2022 at IIT Dharwad	Head of Department	16 Sept 2022	Dr. Dheeraj V. Patil, Dr. Anish S.K, (IIT Dharwad)
5	One-day research Interaction on Academics and Research	Head of Department	18 Sept 2022	Prof. D. Ravi Kumar, IIT Delhi
6	Interaction on Capabilities of 3D CAD Software SOLIDWORKS	Head of Department	14 Oct 2022	Mahadev Bhandarkavate, and Vinod V. BEACON Pvt Ltd., Bengaluru
7	Interaction on Material Science Equipment	Head of Department	20 Oct 2022	Ameyraj, Elico Marketing Pvt. Ltd.
8	Expert Lecture (NITK Faculty and Students) R.E.INV.ENT Ecosystem - Connecting Research, Education, Innovation, And Entrepreneurship	Dr K V Gangadharan	10 Nov 2022	Prof. B. RAVI, Institute Chair Professor of Mechanical Engineering, IIT Bombay and Founder & PI, Biomedical Engineering & Technology Innovation Centre (BETIC)
9	International Conference, jointly organised with Manipal Institute of Technology, Manipal Robotics Control Automation and Artificial Intelligence (RCAAI 2022) 2022	Dr Arun Kumar Shettigar (NITK Surathkal) and Dr Ankur Jaiswal, Dr. K Abhimanyu K Patro, Dr. Umesh Kumar Sahu (MIT Manipal, MAHE)	24 to 26 November 2022	Prof. Clement Gosselin (Laval University Canada), Prof. Fumitoshi Matsuno (Kyto University Japan), Prof. Subir Kumar Saha (IIT Delhi), Prof. Prasanna S Gandhi (IIT Bombay), Dr. Dhruv Chandel (Mathwork)

10	Workshop cum Expert Lecture During First-Year B.Tech Orientation Program	Dr Arun M and Dr Parthasarthy P	11 to 13 Nov 2022	Gowrish Bhat (Associate Professor, A. B. Shetty Memorial Institute of Dental Science, Mangalore), Dr. Sivaraj Patil (Chief Medical Officer, SDM Nature Cure Hospital), Prof. Anil Kakunje (Psychiatrist, Yenepoya Medical College), Radhajeewan Dasa (ISKON M'luru), Mr. Shvetadvipa Dasa (ISKON M'luru), Asha B (Art of Living), Dr. M.S. Ravi, (Art of Living), Mamatha Achar (Student Counselor, Mangalore University), Yogesh D Kamath (Orthopedician, KMC Manipal), Dr. Jagadesh Bala (Principal, Govt. Women's College M'luru)
11	Workshop Series Introduction cum Demonstration Bio-Waste Recycling Pilot Plant (BWRP) for 8, 9, 10 School Students of NITK English Medium School and Vidyadayini School, Surathkal	Dr Vasudeva M	4, 7, 15, 17 Nov 2022	Mr Sudeep N S, Dr Paoulami Datta
12	Invited Lecture on Musical and Arts as Profession by a Btech, Mechanical Engineer	Head of Department	4 Nov 2022	Mr Nakul Abhyankar, NITK Alumni (2018)
13	5-day Workshop and Hands-on Sessions in Heat Transfer, IC Engines, Metrology for NIT Goa Student	Dr G N Kumar, NITK Surathkal, and Dr B Shanti NIT Goa	27 Nov to 01 Dec 2022	Department faculty and resource persons
14	One-day Workshop Experiments, Operations of Non- traditional Machining and Machines	Dr Arun Kumar Shettigar and Dr A S S Balan	30 Nov 2022	Department faculty

	(for Karnataka Government Polytechnic, Mangaluru, III- year students)			
15	Expert Lecture on Musical Acoustics	Dr K V Gangadharan and Dr P Jeyaraj	1 Dec 2022	Dr P Chandramouli, Mech Engg Dept., IIT Madras
16	Invited Talk on Can Thermochemical conversion be a sustainable pathway for clean energy generation?	Dr Suvin P S	16 Dec 22	Dr. Rakesh N, IIT Madras
17	One-day Workshop (Mechanical Engineering Faculty) on Hexagon NEXTGEN 3D Lab., Piping Design Software	Head of Department	22 Dec 2022	Sakhamuri Raja Sekhara, Chandra Shekar Konidena, Murali Pulikollu, Anjani Prabhakar, Narahari Sanga
18	Online Lecture Series 3-day SPARC sponsored On-Line Lecture Series Microsystem and Microfluidics	Dr Sujatha C (IIT Madras) & Dr Hemantha Kumar (NITK Surathkal).	24 to 26 Feb 2023	Course Instructor: Prof. Muthukumaran Packirasmy of Concordia University
19	3-day SPARC sponsored Short- Term Training Program on short- term course on Random Vibrations and its engineering Applications	Dr. Hemantha Kumar.	6 to 8 March 2023.	Course Instructor Prof. Ramin Sedghati, Concordia University.
20	International Conference on Recent Advances in Modelling and Analysis of Thermal and Energy Systems (Ramates-2023)	Dr. Kumar G N Dr. N. Gnanasekaran Dr. Ranjith M Dr. Arumuga Perumal D Dr. Parthasarathy P	10-12 May, 2023	Guest of Honor Prof. K. Srinivas Reddy Professor, Indian Institute of Technology Madras; Prof Manab Kumar Das Professor, Indian Institute of Technology Kharagpur; Keynote Lecture- Dr V.P. Chandramohan, Professor, NIT Warangal, Dr Rajesh Baby, Dean (Res), St. Joseph's Coll. Engg & Technology, Kerala
21	One-day Workshop on Role of Technology in Aerospace and Defence	Chairman, CDC and HoD, Mech Dept.	22 May 2023	Mr Ashwani Bhargav, Senior Director, Boeing India Supply Chain



**Visit by Honorable Minister for Education
Shri Dharmendra Pradhan to Bio-Waste to
Energy, Aravali Hostel, NITK Surathkal**



**Invited Talk by Prof Chadramouli (IIT Madras)
on Musical Acoustics**



**Mr Ashwani Bhargav, Senior Director, Boeing
India Supply Chain, inaugurating the One Day
Workshop- Under Boeing Higher Education
Relations - Role of Technology in Aerospace and
Defence, 22 May 2023.**



**Mr Ashwani Bhargav, Senior Director, Boeing
India Supply Chain, interacting with II-year
BTech students during One Day Workshop-
Under Boeing Higher Education Relations -
Role of Technology in Aerospace and Defence,
22 May 2023.**

Department of Mining Engineering

Sl. No.	Title of the Event	Coordinator/ Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc with affiliation
1	DST-SERB sponsored workshop on "Industrial Safety and Health"	Dr. B.M. Kunar and Dr. M. Aruna	19 and 20 October, 2022	Dr. Shanth A. Thimmaiah, Chairman, Karnataka State Pollution Control Board (Chief Guest) Sri. Ch. Narasimha Rao, GM, Singareni Collieries Company Limited (Guest of Honour) Dr. Apurna Ghosh, Senior Lecturer, School of Minerals, Energy and Chemical Engineering, Curtin University, Australia Mr. Suryanshu Choudhury, Deputy General Manager, Adan Enterprise Ltd. Rajib Pal, Director General of Mines, Safety, Government of India Prof. Ashis Bhattacharjee, Mining Engineering, Centre of Excellence on Safety Engineering & Analytics (COE-SEA), Indian Institute of Technology Kharagpur
2.	Skill development workshop on Blasting for Mines/ quarries / Infrastructure Projects	Dr. Sandi Kumar Reddy	1-2 August 2022	Internal resource persons from the Department
3	Role of Rock Engineering in National Building	Dr. B.M. Kunar	06 March 2023	Dr. H.S Venkatesh, Director, National Institute of Rock Mechanics

Department of Physics

Sl.No.	Title of the Event	Coordinator / Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc with affiliation
1	“Evidence for carbon clusters present near thermal gate oxides affecting the electronic band structure in SiC-MOSFET”	Dr. Kartick Tarafder	28 October 2022	Prof. Thomas A Jung
2	“2D MOF on Functionalized Graphene: Chemical Interaction Overriding Addition for Energy Applications”	Dr. Kartick Tarafder	28 October 2022	Prof. Nirmalya Ballav
3	“Spacetime dual-unitary operators: From many-body physics to quantum combinatorics”	Dr. Ajith K M	13 December 2022	Dr. Aravind S.
4	Foundational questions of Quantum theory: Beginning of second Quantum revolution	Dr. Ajith K M	14 December 2022	Dr. Aravind S
5	Distinguishing inflationary Models through Quantum Signatures of Primordial perturbations	Dr. Sreenath V	9 February 2023	Dr. Rathul Nath Raveendran

School of Humanities, Social Sciences and Management

Sl.No.	Title of the Event	Coordinator / Co-Coordinator	Held during	Name of the Guest/s, Keynote Speaker, etc with affiliation
1.	A Management Development Program (MDP) on Contemporary Skill Development in Effective Leadership, Team-Building and Communication	Chairperson: Dr. Sheena Coordinator: Dr. Savita Bhat	March 20-24, 2023	Mr. Niranjan Mahabalappa, CCO, Zapcom Group



A still from the MDP

Faculty Achievements

Department of Chemical Engineering

Dr. Hari Prasad Dasari was awarded the fellowship of The Institution of Engineers (November 2022).

Department of Civil Engineering

1. Dr. Sreevalsa Kolathayar received Er. Dr. B R Samaga Young Civil Engineer Award 2022 by The Institution of Engineers (India), Mangaluru Local Centre.



2. Dr. Sitaram Nayak was appointed as a nominee of VTU Belagavi to the “Internal Quality Assessment Committee (IQAC)” of NMAMIT, NITTE (Deemed to be University).
3. Dr. Sreevalsa Kolathayar was nominated as a member of the Estate & Works Committee of Chanakya University.
4. Dr. Sreevalsa Kolathayar was inducted as an Expert member of the Working Group (WG) on developing a new Indian Standard IS 13920 (Part 11) on “Earthquake Resistant Design and Detailing of Coastal Structures”.
5. Dr. Sreevalsa Kolathayar was inducted as an Expert member of the Working Group on developing a new Indian Standard IS 15988 (Part 11) “Earthquake Safety Assessment and Retrofitting - Coastal Structures”.
6. Dr. Sreevalsa Kolathayar was re-elected as TC Member of “Earthquake Engineering and Soil Dynamics”, Technical Committee of Geo-Institute, American Society of Civil Engineers (ASCE)
7. Dr. Sreevalsa Kolathayar was nominated as Executive Committee Member, Indian Society of Earthquake Technology (ISET), IIT Roorkee.
8. Dr. Rajasekaran C. has been nominated as a BOS Academic Council Nominee for Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu.

9. Dr. Rajasekaran C. has been nominated as a BOS Member for Noorul Islam Centre for Higher Education, Kumaracoil, Tamilnadu.
10. Dr. T. Palanisamy has been nominated as a BOS Member for Annapoorna Engineering college, Salem, India.
11. Dr. T. Palanisamy has been nominated as a BOS Member for Dr. N. G. P College of Engineering and Technology, Coimbatore, Tamil Nadu, India.
12. Dr. T. Palanisamy has been nominated as a BOS Member for the Government College of Engineering (GCE), Salem, Tamil Nadu, India.
13. Dr. Babloo Chaudhary has been nominated as the Secretary of Asian Regional Technical Committees 1 (AsRTC1): Geotechnical Mitigation and Adaptation to Climate Change-induced Geo-disasters in Asia-Pacific Regions of ISSMGE.
14. Dr. T. Palanisamy delivered a keynote lecture on “Strengthening of RC Rectangular Beam Using Externally Bonded Basalt Fiber Reinforced Sheet” in the five-day faculty development programme on “Role of Smart Materials and Sensing Technologies in the Construction Sector” on 19th December 2022 at the Department of Civil Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai
15. Dr. T. Palanisamy delivered a keynote talk on “Introduction of Micro Characterisation of Concrete” on 3rd November 2022 at the Two-day workshop on Non-Destructive Testing & Repair Material Characterization, NRMC-22, organized by the Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal, India.
16. Dr. Vinoth Srinivasan is nominated as a member of the special committee constituted by M/s. Hutti Gold Mines Company Limited (A Govt. of Karnataka Undertaking) to explore the feasibility and viability of mine reefs of Bharath Gold Mines at Kolar
17. Dr. B.B. Das of the Department of Civil Engineering was a Board of Studies Member at NMAMIT, NITTE, on 25-06-2023
18. Dr. B.B. Das of the Department of Civil Engineering was a Board of Studies Member at NMAMIT, NITTE, on 28-06-2023.
19. Dr. Narasimhan M. C. of the Department of Civil Engineering, was invited as an expert member for faculty selection at Presidency University, Bengaluru, from June to July 2023.
20. Dr. Varghese George was invited to attend the Special Interest Group (SIG) meeting of D3 Session (Travel Behaviour and Attitude-I: General Mobility Scenario) held on 20 July 2023 (Thursday) as part of the World Conference on Transportation Research (WCTR-2023) held in Montreal (17-21 July).

Department of Computer Science & Engineering

1. Dr. Jeny Rajan, CSE Department, NITK-Surathkal, and Dr. Santhosh Kannath, Additional Professor, Department of Imaging Sciences and Intervention Radiology, Sree Chitra Tirunal Institute for Medical Science & Technology, collaborated on a project titled “Development of Radiomics and Artificial Intelligence Augmented Imaging Biomarkers and Computer-Aided Tool for Prediction of Stroke Evolution.”
2. Dr. Mohit P. Tahlilani, CSE Department, NITK-Surathkal attended the IETF 115 meeting in London, UK, in 2022 as well as the IETF 116 meeting in Yokohama, Japan, in March 2023.
3. Dr. Basavaraj Talawar was officially appointed as Faculty Advisor of HackVerse 4.0.
4. Dr. Sourav Kanti Addya of the Department of Computer Science & Engineering was awarded “Outstanding Young Professional” by IEEE Mangalore Subsection on 15 January 2023.

Department of Electrical Engineering

1. Dr. B. Dastagiri Reddy delivered a talk on “Flash charging system for EV Bus” during FDP held at the Department of Electrical and Electronics Engineering, Amrita School of Engineering, Bangalore, from 21 to 23 December 2022.
2. Dr. B Dastagiri Reddy and Dr Prajof P received consultancy of Rs 14 Lakhs from Hella India Pvt Ltd. Pune.
3. Dr. B. Venkatesa Perumal delivered a talk on “IoT application to Electric Vehicle” during FDP on AEVT-22- Advances and Challenges in Electric Vehicle held at PSG College of Technology, Coimbatore, on 23 November 2022.
4. Dr. Dattatraya N Gaonkar, delivered a keynote address on “Materials for Renewable Energy Dominated Future Grid: Issues and Challenges” at the 2nd Global Conference on Recent Advancements in Sustainable Materials (GC-RASM 2022) organized by AJ Institute of Engineering and Technology, Mangaluru, during 28 – 29, July 2022.
5. Dr. B. Venkatesa Perumal delivered a talk on “Chargers for Electric vehicle and its impact on AC Grid” during TECHNOLOGY-22 held at RNSIT, Bengaluru, on 18 November 2022.
6. Dr. B. Venkatesa Perumal delivered a talk on “Solar Based EV Charger and System Impact with Grid” during ATAL FDP on Electric Vehicles held at Vivekananda College of Engineering for Women (Autonomous), Elayampalayam, Tiruchengode, Tamil Nadu on 14th December 2022.
7. Dr. Prajof P., Department of Electrical & Electronics Engineering was awarded the Best Paper Award for his paper titled “A Novel Bidirectional Modified SEPIC Converter with Wide Voltage Conversion Ratio” in ICNTE-2023 organized by Fr. C. Rodrigues Institute of Technology, Vashi in association with IEEE and IAS on January 20-21, 2023.

8. Dr. Debashisha Jena, Department of Electrical & Electronics Engineering was awarded the “Best Paper Award for his paper titled “Probabilistic Load Flow Study Considering Fuzzy Logic-based Contingency Sequencing for Network Outages” at the 2nd International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2023) Organized by NIT Meghalaya on 24th -25th February 2023.
9. Dr. Tukaram Moger, Department of Electrical & Electronics Engineering was awarded the Best Paper Award for his paper titled “Probabilistic Load Flow Study Considering Fuzzy Logic based Contingency Sequencing for Network Outages” in the 2nd International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2023) organized by NIT Meghalaya on 24th -25th February 2023.
10. Dr. Krishnan Chemmangat, Department of Electrical & Electronics Engineering was awarded the Best Paper Award for his paper titled “A Comparison of Different Signal Processing Techniques for Upper Limb Muscle Activity Onset Detection using Surface Electromyography” in the 3rd IEEE International Conference on Artificial Intelligence and Signal Processing (AISP)-2023 School of Electronics Engineering, organized by VIT-AP University, Amaravati held between 18th -20th March 2023.
11. Dr. R. Kalpana, Department of Electrical & Electronics Engineering was awarded the VGST Award for Research Publication on 16 March 2023.
12. Dr. Vigneskumar V. Department of Electrical & Electronics Engineering was awarded the Best Paper Award for his paper at Aligarh Muslim University, Aligarh, India, on 12 February 2023.
13. Dr. G.S. Puneekar delivered an invited talk at IEI(India) Mangalore Local Center on “The Spectacular Lightning: Revisiting Some Interesting Facts”, on 13 June 2023.

Department of Electronics and Communication Engineering

1. Vipin Sharma, Sandeep Kumar, Krishna Pandey, Rachit Patel, and Sapna Katiyar: Assistance device for Visually and Hearing-Impaired Person; Patent Application No. 202211039377 A, published in July 2022.

Department of Information Technology

1. Dr. G. Ram Mohana Reddy delivered Keynote Talk on “Research Trends in AI & IoT and Some Smart Applications”, FDP on AI in IoT (AIOT), E&ICT, NITW and CS Dept., KU Warangal, Telangana, India, July 22 - August 02, 2022.
2. Dr. G. Ram Mohana Reddy delivered Keynote Talk on “AIML: Research Trends and Applications”, FDP on Recent Research Trends and Applications of AIML, E&ICT, NITW and KUCET Warangal, Telangana, India, August 10 - August 20, 2022.
3. Dr. G. Ram Mohana Reddy delivered Keynote Talk on “AIML: Research Trends and Applications”, FDP on Applications of Artificial Intelligence and IoT in Engg., E&ICT, NITW, and Sridevi Women’s Engg. College, Hyderabad, India, Aug 22 - Aug 30, 2022.

4. Dr. G. Ram Mohana Reddy was selected as an IEEE Computer Society Distinguished Visitor (from Jan. 1, 2023 to Dec. 31, 2025)
5. Dr. Anand Kumar M received first place in E-Risk: Search for symptoms of depression shared task conducted along with ERISK 2023: EARLY RISK PREDICTION ON THE INTERNET CLEF 2023 Workshop Thessaloniki, 18-21 September 2023.

Department of Mechanical Engineering

1. Dr. Subhashchandra Kattimani was awarded the Prof. Satish Dhawan Young Engineers State Award Instituted by the Government of Karnataka in the field of Engineering Sciences for the year 2021.
2. Dr. Subhashchandra Kattimani Visited Universiti Teknologi Malaysia, Johor Bahru, Malaysia, to carry out a Collaborative Research project titled Investigation on Radiolucent Composite Sandwich Materials for Biomedical Imaging System under Hygrothermal Environment ASEAN - India (S&T) Collaborative Research project work from 2 August to 15 August 2022.
3. Dr. S.M. Kulkarni participated in the Leadership for Academicians Program (LEAP 2020) at Nanyang Business School, Nanyang Technological University Singapore, from 15 to 19 August 2022.
4. Dr. Ranjeet Kumar Sahu was honoured for publishing two authored books (published by CRC Press and Taylor & Francis) in the 14th Global Convention organised by NITK Surathkal Alumni Association on 24 December 2022.

Keynote Addresses Delivered

Sl. No.	Faculty Name	Delivered Keynote Address
1	Dr. Ramesh M. R	High Entropy Alloys and Bio Coating Materials, One-week Faculty Development Programme (FDP) on Advanced Materials and Manufacturing Techniques, BMS College of Engg, Bangalore, 9-14 Jan 2023.
2	Dr. Srikanth Bontha	Computational Modelling of Laser Directed Energy Deposition Process CEP Course on "Additive Manufacturing of Metal Components", Online mode organized by Defence Metallurgical Research Laboratory, Hyderabad. 23-25 Jan 2023.
3	Dr Jeyaraj P	Indo-French Research Seminar on Innovation in Manufacturing and Machining of Advanced Aerospace Materials, PSG College of Technology, Coimbatore, Tamilnadu, India, 2-3 March 2023

4	Dr Arumuga Perumal D	The nuances of writing a research paper and publishing it in High Reputed Journals, One-day Seminar, JP College of Engineering, Tamilnadu. 30 March 2023.
5	Dr Jeyaraj P	Dynamics of Heated Structures, Research Opportunities in Vibration Engineering-2023, SRES Sanjivani College of Engineering Kopargaon-423602, 4-8 April 2023.
6	Dr. Ranjith M.	CFD for FSI Applications, International Conference on Recent Advances in Materials, Processes and Technology for Sustainability (RAMPTS2023), Govt. Engineering College, Thrissur, Kerala. 19-21 April 2023.
7	Dr. A Sathyabhama	Wind energy exploitation in urban environment, five-day faculty development program on Renewable and green energy strategies for sustainable development, JCET, Lakkidi, Palakkad, 24-28 April 2023.
8	Dr. Ranjeet Kumar Sahu	Indigenous production of nano-colloids for promising application in manufacturing tribology: A leapfrogging and sustainable approach, SERB Sponsored High-End Workshop (Karyashala) under Accelerate Vigyan Scheme on Industrial Tribology: Towards Sustainable Approach, SRM University, Kattankulathur, Chennai, India. 15 -22 May 2023
9	Dr. Srikanth Bontha	Analytical and Numerical Modelling of Laser Directed Energy Deposition Process, One-day online Seminar on Recent Trends in Direct Energy Deposition (DED), Online mode organized by Vellore Institute of Technology, 7 June 2023.
10	Dr. Ranjeet Kumar Sahu	An exemplary approach for additive nano-manufacturing under surrounding environment conditions using a spark-based energy source, Five-Days National Workshop on Additive Manufacturing: Knowledge and Skill Development towards Industry 4.0 (AM-KSD 2023), NIT Rourkela, Odisha, India. 10-14 June 2023.

Awards

Sl No.	Faculty Name (Authors Details)	Achievements/ Awards/ Prize / Book Published
1	Dr Subhaschandra Kattimani	Prof Satish Dhawan State Award for Young Engineers for the Year 2021 Outstanding Contribution in Engineering Sciences.

Department of Metallurgical and Materials Engineering

S. Anandan, Selvakumar Murugesan, and Arunjunairaj Mahendran published an edited book titled 'Progress in Polymer Research for Biomedical, Energy and Specialty Applications'. It was published by CRC Press, Boca Raton, USA, 2022, ISBN 9781032061009

Department of Mining Engineering

1. Dr. B.M. Kunar and Dr. M. Aruna delivered keynote lectures on "Postural risk of dump truck operators by using biomechanical principles: A case study in Indian open cast metal mines" in five-day faculty development program on Recent Advances in Mine Safety, during 30 January - 3 February 2023.
2. Dr. K. Ram Chandar, delivered a keynote lecture on 'Best Quarrying Practices Considering Slope Stability and Blasting Operations in Small Scale Quarries at Int. Mining & Mine Safety Expo- Symposium, Coimbatore- Tamil Nadu, on 18 March 2023, organized by Tamil Nadu Quarry Owners Association.
3. Dr. Sandi Kumar Reddy delivered a keynote lecture on the Highwall Stability Assessment for Sustainable Development in an Open Pit Coal Mine. International Conference on Opencast Mining Technology & Sustainability (ICOMS-2022) organized by Northern Coalfields Limited (NCL), Singrauli, 10-11 April 2023.
4. Dr. B.M. Kunar and Dr. M. Aruna delivered a keynote lecture on "Ergonomics study of Dumper operators in Indian Mines: A Static Biomechanical approach" at the 23rd Geomintech Symposium in New Equipment-New Technology, Management and safety in Mines and mineral based industries, during 11-12 May 2023.
5. Dr. Sandi Kumar Reddy delivered a keynote lecture on "Stability Assessment and Design of Open Pit Slopes of Limestone Mines in India, 4th International Conference on Geology and Earth Sciences (ICGES 2023)' 15-17 June 2023, Bangkok, Thailand.

School of Humanities, Social Sciences and Management

1. Alem, H., & Jena, P. R., published an edited book titled 'Sustainable Agricultural Value Chain'. It was published by IntechOpen, London, <https://doi.org/10.5772/intechopen.94780>
2. Dr. S. Pavan Kumar of the School of Humanities, Social Sciences and Management was awarded the Best Paper Award in the "Engineering Education for Sustainable Development" track for the paper titled, "Engineering Education for Sustainable Development: Bibliometric Analysis" during the Tenth International Conference on Transformations in Engineering Education (ICTIEE 2023) held from January 5th to 8th, 2023.
3. Dr. Sheena of the School of Humanities, Social Sciences and Management delivered a keynote address during the 7th International Conference on the theme, "Transform and thrive in an agile world" on 10 June 2023 organised by the AIMIT, St. Aloysius College, Mangalore.

Projects/Consultancies Sanctioned

Project Title	Investigator(s)	Funding Agency	Sanctioned Amount (in Lakh Rs.)	Duration
Department of Chemistry				
Novel catalytic conversion of chitin biomass to furanics and levulinates vis 5-(acetoxymethyl) furfural for a shell biorefinery.	Dr. Saikat Dutta	SERB DST	23	2023-25
Department of Civil Engineering				
Influence of perforation in cold-formed steel compression member design	Dr. J Vijaya Vengadesh Kumar	Craftsman Automation Limited, Coimbatore. CSR fund.	11.2	2022-24
Development of AI-based Prediction System Coupled with Ecological Mitigation Technologies for Landslide Prone Areas	Dr. Sreevalsa Kolathayar	Department of Science and Technology, GoI.	24	2022-25
Computation of Site-Specific Earthquake Parameters and Dynamic Analysis of Bhandardara Masonry Dam	Dr. Sreevalsa Kolathayar	Water Resources Department, Government of Maharashtra.	24	2022-24
Rockfall Hazard Analysis and Identification of Critical Areas in MRPL Aromatic Complex	Dr. Vinoth Srinivasan and Dr. Sridhar G	MRPL, Mangalore	11	2022 (6 months)
Stability Analysis of Masonry and Earthen Dam Sections of Ukai Dam Under DRIP	Dr. Sreevalsa Kolathayar and Dr. Pavan G.S.	Water Resources Division, Narmada, Water Resources, Water Supply and Kalpsar Department, Government of Gujarat.	58	2022 (6 months)
Technology development and engineering performance Evaluation of jute geocells for slope stabilization and Pavement applications	Principal Investigator: Dr. Sreevalsa K Co-Principal Investigators: Dr. Raviraj H.M., and Dr. Somasekhara Rao	National Jute Board Government of India	47.98	19 th January 2023 to 19 th January 2026 (Three Years)

Department of Computer Science & Engineering				
Automatic Early Detection of Lung Cancer from LDCT Images based in Deep Neural Networks	Chief- Investigator: Dr. Annappa Co-investigator(s): Dr Jeny Rajan	SERB	29.55	2023-2026
Department of Electronics and Communication Engineering				
1. Design and Fabrication of Lab-on-Chip Hybrid Plasmonic Slot Waveguide based Nanograting Gas Sensor	Dr. Mandeep Singh (Co-PI: Dr. Umesh Kumar Tiwari, Principal Scientist, Micro and Nano Optics Centre, CSIR-Chandigarh)	CSIR, Govt. of India	26.25	2023-2026
2. Speech technologies in Indian languages (A Consortium project with IITM, IISc, IIT Goa and other HIEs)	Dr. Deepu Vijayasanen; E&C Engg.	MeitY, Govt. of India	90.00	2022-2025
3. Programmable photonic microwave signal generation using on-chip spectral shaper for satellite communication	Dr. Mandeep Singh	SAC-ISRO, Ahmedabad	22.51	2022-2024
4. Metamaterial-Based Novel Antenna Technologies Reconfigurable Intelligent Reflective Surfaces for 6G Wireless Communications	Dr. K Krishnamoorthy	SERB International Research Experience (SIRE)	19.22	2022-2023
Department of Electrical and Electronics Engineering				
Technical Feasibility Report for Integrated Air Source Heat Pump (Testing & Consultancy) and Dr. Prajof P.	Chief-Investigator: Dr. Dastagiri Reddy Co-investigator/s: Dr. Poornesh Kumar K	Swadeshi Ventures Pvt. Ltd., Bangalore	5	04/01/2023 - 07/01/2023
Skill Development activities on design and development of switched-mode power converters (Testing & Consultancy)	Chief-Investigator: Prof. B. Venkatesaperumal Co-investigator/s: Dr. V. Vigneshkumar	Schneider Electric Pvt. Ltd.	6.1	23/01/2023
Solar PV-based electric vehicle charge with V2G and G2V capability for net-zero emission e-mobility.	Chief-Investigator: Dr. B. Venkatesaperumal Co-investigator/s: Dr. V. Vigneshkumar	Centres of Innovative Science, Engineering and Education (CISEE)	30	2023-2025

Sophisticated Optimised DC-DC Converter for Charging Electric Vehicles Using Reliable GAN devices and Planar Magnetics.	Dr. R. Kalpana	Science and Engineering Research Board (SERB), Department of Science & Technology, Bharat Sarkar (GoI).	30	2023-2026
Investigations on Inertial Migration Dynamics of Aerosol Particles.	Chief-Investigator: Dr. Ranjith M. Co-investigator/s: Dr. Krishnan C. M. C.	DST-SERB	24.03	3 Years
Department of Information Technology				
Artificial intelligence-based modeling and assessment of saltwater intrusion phenomena	Dr. Shrutilipi Bhattacharjee Co-Investigator/s: Dr. Sowmya Kamath S	SERB POWER Grant	30	2022-25
Artificial Intelligence-based modeling and assessment of saltwater intrusion phenomena in West-flowing rivers of Coastal Karnataka	Chief Investigator: Dr. Shrutilipi Bhattacharjee Co-Investigator/s: Dr. Sowmya Kamath S	SERB POWER Grant	29.87	August 29, 2022 to Aug 28, 2025
Implementation of Quantum Support Vector Machine and Quantum Naive Bayes System for the Detection of Spam and Non-Spam Mails.	Chief Investigator: Dr. Bhawana Rudra	MeitY Quantum Computing Applications Lab (QCAL).	14.5	25-04-2023 to 25-04-2025
Department of Mechanical Engineering				
1. Investigations on inertial migration dynamics of aerosol particles	Dr. Ranjith M. Co-PI: Dr. Krishnan CMC	DST-SERB	25.2	2023-2026
2. Synthesis of intelligent nanostructured materials via a plasma source-based digital nano-manufacturing method and their characterization	Dr. Rajeeth Kumar Sahu; Co-PI: Dr. Hemantha Kumar and Dr. Debashisha Jena	DST-SERB	30.27	2023-2026
3. Enhance lubricant performance in an electrical environment to overcome electrical bearing failures in EV	Dr. P.S. Suvin; Co-PI: Dr. Nikhil and Dr. Arun D	DST-SERB	13.5	2023-26

4. Design and development of hybrid-frp based composites for low-cost and sustainable mobile shelter houses	Dr. Saurabh Chandraker; Co PI: Dr. Ranjeet Kumar Sahu	SYST- DST	48.35	2023-2025
5. Performance evaluation of hvaf sprayed nial intermetallic based composite coatings for aerospace repair and manufacturing applications	Dr. M.R. Ramesh; Co-PI: Dr. Sharanappa Joladarashi	DST-SERB	27	2023-2026
6. Laser-directed energy deposition of functionally graded cu-ss316l structures for power generation applications	Dr. Srikanth Bontha; Co-PI: A.S.S. Balan	DST-SERB	31.45	2023-2026
7. Ionic and physical property modulation in solid-state ion-exchange polymers	Dr Poornesh Kumar Koorata	DST-SERB	50	2023-2026
8. Design of concentrated solar receiver tube using inverse thermo-elastic analysis for improved efficiency and safe operation of solar power plants	Dr. Somasundaram; Co-PI: Dr. N. Gnanasekaran	DST-SERB	28	2023-2026
9. Development of ternary mixture based solar absorption refrigeration system	Dr. A. Sathyabhama	VGST Karnataka	15	2023-2025
10. Technology development and engineering performance evaluation of jute geocells for slope stabilization and pavement applications	Dr. Somsekhar Rao Todeti – Co-PI (PI: Dr. Sreevalsa Kolathayar, Dept. of Civil Engg.)	National Jute Board, Government of India	47.98	2023-2026
Department of Metallurgical and Materials Engineering				
1. Surface Engineering of Biomedical Implants for the Prevention of MDR Infection	Dr. Selvakumar Murugesan (Co-Investigator: Prof. Xu Liqun from Southwest University, P.R. China and Prof. Valentim A R Barão from University of Campinas, Brazil)	DST-BRICS	34.67	2023-2026

2. Fabrication of 2-D Layered Nanosheets Strengthened Multifunctional Coatings for Bone Tissue Regeneration	Dr. Selvakumar Murugesan (Co- Investigator: Prof. Vasilenko Irina Vladimirovna from Belarusian State University, Belarus)	DST- Indo-Belarus (Bilateral Grant)	13.50	2023-2026
3. Metallurgical Failure Analysis (Consultancy Project)	Dr. Subray R Hegde & Dr. Sumanth Govindarajan	MRPL, Mangalore	25	2023-24 (one year)
Department of Mining Engineering				
Definition of delay sequencing in blast designs using advanced analytical techniques for optimization of blast fragmentation and improving mine economics in non-coal mines	Dr. Karra Ram Chandar (jointly with CIMFR- Nagpur & Anna University- Chennai)	Ministry of Mines - Govt of India	42	2022-24
Scientific Study for evaluation of method of working, ultimate pit slope, dump slope, and monitoring of slope stability at RG OCP-II, RG Area to comply with Reg No. 106 of CMR-2017, SCCL.	Dr. Karra Ram Chandar Collieries Company Limited, Govt. of Telangana	The Singareni	7	2022 (3 months)
Scientific Study to carry out safe blasting practices to protect the permanent structures lying within the danger zone to obtain permission from DGMS and operate the mine at the upcoming VKOC coal mine, KGM area, SCCL.	Dr. Karra Ram Chandar Collieries Company Limited, Govt. of Telangana	The Singareni	5.65	2022 (3 months)
Scientific study for establishing safe distance from the existing road, gas pipeline and other structures if any performing blasting operations at Naini coal mine, SCCL- Odisha.	Dr. Karra Ram Chandar Collieries Company Limited, Govt. of Telangana	The Singareni	6	2022 (3 months)
Scientific Study on the Feasibility of doing Mining below the existing Prang Limestone Band at 'Nongtra Limestone Mines'	Dr. Karra Ram Chandar Mining Pvt. Ltd. East Khasi Hills, Meghalaya.	M/s Lafarge Umiam (4 months)	12.5	2022
Slope Stability Study of the Zamblidadga Dongor Iron Ore & Manganese Ore Mine (M.L. No.3/Fe/Mn/79) of Naraina	Dr. Sandi Kumar Reddy Quirtonim Mine	M/s Naraina S. (3 months)	7.67	2022

Sinai Quirtonim for Safe Workings and Optimu Design situated at Cavurem Village, Quepem Taluk, South Goa.				
Scientific study on slope stability study for highwall benches and stabilization of hillocks on east and west side at the proposed Goleti OC Mine, Bellam palli Area, SCCL	Chief Investigator: Dr. K. Ram Chandar	The Singareni Collieries Company Limited	14.50	Jan-2023- July-2023
Scientific study on slope stability, impact of Godavari river water on Indaram	Chief Investigator: Dr. K. Ram Chandar	The Singareni Collieries Company Limited	21.10	April-2023- Sept-2023
Opencast Project (OCP) benches, dumps and embankments and effect of Indaram OCP blasting on IK-1A underground workings of Srirampur Area- SCCL.	Co-investigator/s: NITW			
Scientific study of blasting operations and ground vibration at Bharathi Cement Limestone Mines, Kadapa.	Principal Investigator: Dr. Harsha Vardhan Sanctioned	Bharathi Cement Corporation Pvt. Ltd.	5.90	
Blasting vibration studies at Zuari Cement Limestone Mines, (Heidelberg Cement Group) Kadapa to establish MCD for blasting near adjacent villages to get the blasting permission from DGMS.	Principal Investigator: Dr. Harsha Vardhan	Zuari Cement Ltd.	5.90	
Assessment of stability of ZP road passing through the lease area of Kumaraswamy Iron Ore Mines, NMDC Ltd.	Investigators: Dr. Harsha Vardhan and Dr. M. Aruna	NMDC Ltd.	9.95	
Predictive assessment of postural risk and biomechanical analysis of musculoskeletal disorders related problems in dump truck operators in Indian open cast metal mines.	Investigator: Dr. Sandi Kumar Reddy and Dr. M. Aruna	KFIST(L1), DST, Govt of Karnataka (VGST)	15	2-year grant
Predictive assessment of postural risk and biomechanical analysis of musculoskeletal disorders related problems in dump truck operators in Indian open cast metal mines.	Investigator: Dr. Sandi Kumar Reddy and Dr. M. Aruna	KFIST(L1), DST, Govt of Karnataka (VGST)	15	2-year grant

Scientific study for pit slope stability studies of Subbarayanahalli Iron Ore Mine & Thimmapangudi Iron Ore Mine	Investigator: Dr. Sandi Kumar Reddy and Dr. M. Aruna	KSMCL, Govt of Karnataka	9.98	1 year 6 months grant
Slope Stability Study of the Kalay Iron Ore Mine of Fomento Resources Pvt. Ltd. For Safe Workings and Optimum Design situated at Santona Village, Sanguem Taluka, South Goa District, Goa.	Investigator: Dr. Sandi Kumar Reddy	Fomento Resources Pvt. Ltd.	10	
Slope stability study of the Block-V, Advalpale-Thivim Mineral Block M/s Fomento Resources Private Limited for safe workings and optimum design situated at Advalpale and Thivim Villages, Bicholim & Bardez Taluka, North Goa District, Goa	Investigator: Dr. Sandi Kumar Reddy	Fomento Resources Pvt. Ltd.	7.67	
Scientific studies for recovery estimation of granite material from the Hosamani Granite (QL No: 399), Ilkal, Bagalkot District, Karnataka State Funding agency: Sanctioned amount:	Investigator: Dr. Sandi Kumar Reddy	Hosamani Granites	2	
Department of Physics				
Investigation of primordial origin of anomalies in cosmic microwave background.	Dr. Sreenath V	SERB	11.858	3 Dec 2021-2023
Department of Water Resources and Ocean Engineering				
Design, analysis of development of hybrid offshore floating breakwater	Dr. D. Karmakar (PI) and Dr. Manu (Co-PI),	Ministry of Ports, Shipping and Water ways, New Delhi, India,	49.21	2021-2023
School of Humanities, Social Sciences and Management				
Evaluating the potential of circular agri-food systems on improving the socio-economic conditions of farmers	Chief-Investigator: Dr. Ritanjali Majhi Co-investigator/s: Dr P. Padhi, IIT Bombay	SPARC	54.02	2023-2025

Students' Achievements

Department of Chemical Engineering

1. Mrs. S. Subraja, a Ph.D. scholar, was awarded the best paper presentation award during the 3rd International Virtual Conference on Recent Trends in Clean Technologies for Sustainable Environment (CTSE-2022) held at SSN College of Engineering, Chennai during September 15-16, 2022
2. Pranathi Samineni, Atmuri Shourya, Sunaina S Patil, and Hari Prasad Dasari of M. Tech and Ph.D. respectively, were awarded the best poster and flash talk award for a paper titled "Yeast bio-template based synthesis of Ceria/Cordierite and its soot oxidation Kinetics" at IIT Guwahati in December 2022.
3. Ms. Sedevino Sophia, a PhD scholar of the Department, received the Best Paper Award during the International Conference on Environmental Sustainability (ICES-2023) held on 16-17th March, 2023 at Veermata Jijabai Technological Institute Mumbai, Matunga Campus.
4. Soumya Koippully Manikandan, PhD scholar, received the DST-SERB for International travel grant support for presenting her work titled "Biodegradation of chlorpyrifos by *Aeromonas veronii* immobilized rice husk biochar," 4th International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability, May 14–17, 2023, Lake Garda, Italy.
5. Ms. Megha Gupta, III sem. M.Tech (Industrial Biotechnology), was awarded the prestigious Khorana Scholarship to carry out internship at St. Jude Children's Research Hospital, Memphis, USA.

Department of Civil Engineering

1. Mr. Abhay Kumar won the VOIS for Tech Innovation Marathon 2022, a prestigious competition that invites students to build tech solutions using data analytics, artificial intelligence, machine learning, cloud computing, and cyber security.



2. Mr. Aditiya Joshi was selected for the Internship Programme of the Ministry of Environment, Forest and Climate Change, Government of India, for the Summer Session 2022, from October to December 2022.
3. Ms. Priyanka Narayan earned a gold medal at the All-India inter-NIT Chess tournament, and her team reached the quarter-finals of the All-India inter-NIT badminton tournament.
4. Mr. Nadeem Akhtar of MTech Transportation Engineering received the Best Paper Presentation Award for the paper titled “Driver Skill Profiling using Machine Learning”, co-authored with Dr. Mithun Mohan, at the Annual Conference on “Infrastructure and Built Environment: Towards Sustainable and Resilient Societies”, (IBSR 2023), held from February 2-4, 2023 at IIT Kharagpur



5. Dr. Snehal Kusumadhar, who pursued her PhD under the guidance of Dr. Bibhuti Bhusan Das, joined Motilal Nehru National Institute of Technology (MNNIT), Allahabad (Prawagraj) as Assistant Professor-II with effective from 9 March 2023.
6. Ms. Venilla Manikanta of MTech Geotechnical Engineering was selected for PhD (Regular) at the Department of Mining Engineering, Indian Institute of Technology, Kharagpur.
7. Ms. Annapurna Balulmath of MTech (Research) Geotechnical Engineering was selected for PhD (Regular) at the Department of Civil and Infrastructure Engineering, Indian Institute of Technology, Dharwad.
8. Mr. Ranjeet Sonawane, BTech graduate of 2023, joined Indian Institute of Management Bangalore for fulfilling his Masters of Business Administration (MBA).
9. Mr. Y Pratap, BTech graduate of 2023, joined Columbia University, USA, for pursuing his Master of Science (MS).

Department of Computer Science & Engineering

1. Mr. Pawan S. Jogi and Mr. Pooranand Purushottam Naik, research scholars, carried out their research work for the period of 16 days from 01 to 16 September 2022, at Nagasaki University in Japan under the guidance of Dr. Muthu Subhash Kavitha, School of Information and Data Sciences.
2. Ms. Rashmi Adyapady R and Mr. Shubham Dodia, research scholars of the department, attended and won the I prize in Ph.D. Scholar's Research Colloquium 2022 conducted by A.J. Institute of Engineering and Technology in association with IEEE Mangalore Subsection on 17 September 2022.

Internships:

1. Ayush Singh Baiswar undertook an internship at AMD India Pvt Ltd. from July 2022 to May 2023. The project was titled 'Auto-tuning Framework for ZenDNN'
2. Vaishnavi Adithya Balike undertook her internship at Baker Hughes from November 2022 to June 2023. The project title was 'Embedding Tableau in IEP and ECR Reduction'

Department of Electrical Engineering

1. Miss. Sharvani Somayaji of VI Sem. BTech was awarded the Prestigious URAM Scholarship for the year 2021-22, worth Rs. one lakh.
2. Indian Patent Titled "Method and System for Major Event Detection in a Power System" (Application Number: 202241012056) was granted to UG Students Sagar Dipesh Dahanuwala, Prathamesh Gachhi, Abhinandan Pathak, and Shantanu Ajay Arya under the Guidance of Dr. Tukaram Moger
3. Mr. Vikas Singh, Ph.D Scholar, was awarded the Best Paper Award for his paper titled "Probabilistic Load Flow Study Considering Fuzzy Logic based Contingency Sequencing for Network Outages" at the 2nd International Symposium on Sustainable Energy and Technological Advancements (ISSETA 2023) organized by NIT Meghalaya.
4. Mr. Sunil Mandol, Ph.D. Scholar, received the Best Paper Award for his paper titled "A Novel Bidirectional Modified SEPIC Converter with Wide Voltage Conversion Ratio" at ICNTE-2023 organized by Fr. C. Rodrigues Institute of Technology, Vashi, in association with IEEE and IAS on January 20-21, 2023

Department of Electronics and Communication Engineering

1. A startup, PSup Communities Pvt. Ltd. founded by Aditya LHS (2022 BTech Batch) was incubated by NASSCOM.
2. A startup, dArticle.io, a blockchain-based text generation tool for articles, was founded by Abhishek Ghadge (2021 BTech Batch).

Department of Information Technology

1. Achintya Kumar, Gayathri Nisha, Niraj Nandish and Shlok Uday Bhosale (B.Tech students), were awarded the United Nations Academic Impact and MCN Millennium Fellowship 2022.

Department of Mechanical Engineering

S.No.	Student Name	Achievements/: Internship Abroad (Jan-July 2022 information only)
1	Dulam Naveen Reddy, Spandana Bhat K, Polinati Rajesh, Ramavath Krishna Kishore, Chappa Abhiram (B. Tech. Students) Guide Dr. Ranjith M (Assistant Professor),	Best Paper Award at the International Conference on Mechanical Engineering: Researches and Evolutionary Challenges 2023 held at National Institute of Technology Warangal, Telangana during 23-25 June 2023. Numerical Modeling of Skin BioHeat Transfer Using Finite Difference Method.
2	Mr Dhruv Gupta (II-year BTech) Faculty Advisor Dr Arun M Isloor and Dr Veershetty G.	Internship in Institute of Nanoscience and Nanotechnology (ION2) Universiti Putra Malaysia (UPM), 43400 Serdang, Selangor Darul Ehsan, Malaysia.

Department of Water Resources and Ocean Engineering

1. Elisuba Kuruvilla, Akshya Soman, research scholars, and Dr. Subrahmanya Kundapura, have received the 'Best Paper Award' for the paper titled 'Machine Learning Ensemble Model for Flood Susceptibility Mapping' at the 7th IEEE International Conference on Recent Advances and Innovation in Engineering (7th IEEE ICRAIE 2022) held during 1 to 3 December 2022 at NITK, Surathkal
2. Deepa C., research scholar, received the Student Travel Grant to participate in the 2022 American Geophysical Union (AGU) Fall Meeting, 12-16 December 2022, in Chicago, Illinois, USA.

Students' Activities

Hudugata Hudukata

Kannada Vedike organized one of its flagship events – *Hudugata Hudukata* on 27 August 2022. Registrations for the event were only open to the freshers of NITK. The main motto of this event was to introduce the freshers to Kannada and make them learn a few words in Kannada by making them explore the NITK campus by playing treasure hunt with the clues printed in Kannada. 128 teams participated in this event. Each team had 3-4 members with at least one non-Kannadiga and at least one Kannadiga. In total, 503 students participated in the treasure hunt. Non-Kannadiga students were also asked to perform activities like singing, dancing, and introducing themselves in Kannada and were taught a few simple Kannada words.



Hudugata-Hudukata

Koti Kantha Gayana

On 28 October 2022, *Koti Kantha Gayana*, an event initiated by the Karnataka government was conducted in Pavilion at 11:00 am. More than 250 people participated in the event including Director, Deans, Registrar, Joint Registrar, Associate Deans, Assistant Registrar,



HoDs, students, and staff. It was a unison singing event of various Kannada songs that reflected the heritage and culture of Karnataka. Some of the songs sung were Nada Geethe, "Udayavagali Namma Cheluva Kannada Nadu", "Barisu Kannada Dindimava", "Hacchevu Kannadada Deepa", "Vishwavinutana" and "Huttidare Kannadanadinalli huttabeku".

Kannada Rajyotsava - Parva

On 3 November 2022, Kannada Rajyotsava was celebrated with Prof. Gururaj Krajagi (Director, Academy of Creative Teaching, Bengaluru) as Chief Guest, Shri. Nakul Abhayankar (Music Director & Playback Singer) as Guest of Honour, in the honourable presence of Prof. G. C. Mohan Kumar (Director in-charge), Prof. Narendranath S. (Dean - Students Welfare) and Dr. Raviraj H. M. (faculty advisor, Kannada Vedike). The event started at 4:00 pm with the procession of Kannadambe (mother Kannada) followed by cultural programmes in SJA and the day concluded with Bhuri Bhojana, a dinner organized by the Kannada Vedike in the Old Sports Complex.



Parva – on the occasion of Kannada Rajyotsava

Inter-NIT Tournament

All India Inter-NIT Tournament was held during 17-20 November 2022, at NIT Jaipur and during 17-19 November 2022 at NIT Silchar in various Sports and Games. Our Institute won Basketball – Women (Runner up), Basketball – Men (II Runner up).



Winning teams from NITK

Engineer 2022

The annual technical symposium of the Institute, *Engineer 2022* was celebrated from 22nd to 25th September 2022. The 3-day long event commenced in the presence of *Mitra*, the humanoid robot. Dr. Venkata Ramana Akkaraju, Chairman, New Mangalore Port Authority, Mangalore, was the chief guest for the inauguration ceremony. It was filled with eye-catching events and workshops like Bot Hockey (hockey played by bots built by students), wright-flight (flying models built by students) gaming events, The Space Quiz, Engixlor, Engi Talk, *Antariksh*, Drone Competition, Fox Hunt, Squid Game, NITK Racing Workshop, Engineer Hackathon, Magic Show, and many more events. The students danced to the beats of *DJ Night*.



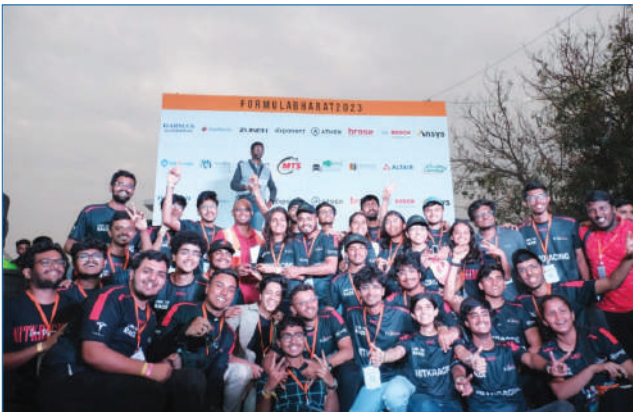
Visuals from *Engineer*

Film Festival 2023

Film Festival 2023 was held during 13-20 January. It had various events like screening of critically acclaimed Indian movies, Film Quiz, short movie competition etc. Movies Screened during the Film Fest 23 were *Dollu*, *Kantara*, *Last Film Show*, *Malayankunju*, *Sita Ramam*, *Qala*, etc.

NITK Racing Club

NITK Racing showcased first ever electric car at the prestigious Formula Bharat competition which took place at the iconic Kari Speedway in Coimbatore, in the month of January 2023.



Building the First Electric FS Vehicle of NITK

NITK Racing team was faced with task of designing, procuring, and manufacturing a high-performance electric race car that met strict competition regulations and budget constraints. The team drew inspiration from the principles of innovation, sustainability, safety, and reliability, which guided their decision-making throughout the process.



Electric Race Car designed by students

Bharat Darshan

Bharat Darshan competition was organized by Dance Dramatics and Fashion Club (DDFC) on 30 January 2023 in Silver Jubilee Auditorium. This showcased the rich regional cultures of India. 7 teams representing various states participated in the event.



Members of the NITK Racing Club and the participation certificate



Visuals from *Bharath Darshan*

Rotaract Club, NITK

Rotaract NITK conducted the Blood Donation Drive on 25 February 2023 in collaboration with Wenlock Hospital, KMC and A. J. Hospital. It was a huge success wherein, over 220 blood donations were done.



Blood Donation Camp

A two-day event was organised on the 24 and 25 March 2023 to spread awareness about mental health. On Day-1, Rotaract Charity Play was held in collaboration with LSD Stage. The box-office collection from the play (Rs.1,03,557/-) was donated to NITK English Medium School, Riya Foundation and Citizens Allians Rural Development Training Society.



Day-2 was the pavilion event, which consisted of open mic in collaboration with ISTE. Members made drawings with the theme of mental health and put them up across pavilion. Two stalls set up by ISTE focussed on spreading awareness through fun activities.

BAJA NITK Racing

BNR Achilles ATV was launched by Team BAJA NITK Racing on 9 February 2023, the first ever 4-wheel drive car was presented which was manufactured on-campus after 4 years, with a drastic change from 2-wheel drive in NITK. The proud moment for the team to launch the vehicle in the presence of Dean SW, Prof. Narendranath S. and HOD Mechanical Dept, Dr. Ravikiran Kadoli, other professors of NITK and visiting professor, Dr. Jessica, ECAM, France.



4-wheel drive car manufactured by students and its launch

TEDx

The 9th edition of *Mosaic* was organised by TEDx club on February 17, 2023 in SJA with an audience strength of 600. Speakers shared valuable insights from various walks of life. There were seven speakers, all from different walks of life, who delved deep into their respective fields and shared their wise insights and ideas worth spreading. Speakers like Captain Naveen Nagappa (Kargil war hero), Mr. Gangadhar Patil (Journalist), Mrs. Arshi Yasin (Co-Founder & CEO of The Bridge), Ms. Archana Singh (brand management expert), Mrs. Nandini Shankar (Indian Classical Music Performer), Ms. Asha Thadani (photographic artist), Ms. Sapthami Gowda (actress) were the guest speakers of the event.



Speakers of *Mosaic*

Incident

Incident, the Annual Cultural Fest of NITK was back with a bang from the 16th to the 19th of March 2023. Themed “A Tale of Bards and Knights”, Incident 2023 truly brought a medieval vibe to the lush-green campus of NITK and set the stage for the grandest edition of the fest. Incident was officially inaugurated at 6 PM at a formal ceremony featuring lots of high-profile guests like Shri. Prakash Belawadi, Shri. Shanth Thimmaiah and Smt. Tulsi Gowda. It was truly a fitting inauguration ceremony for the festival.

There was a plethora of competitions held across all three days of the festival across various domains such as music, dance, sports, literature, business, fashion, drama and many more. Incident 2023 witnessed huge numbers in participation from other institutions. The day events also consisted of various performance-based events such as Inci-Talks (Shri Shankar Bidari and Shri Girish Bharadwaj), street performers performing fire shows, juggling, magic shows and bike stunt shows.

All the days would conclude with the Pro-Shows which were held at the main ground. The Pro-Show of Day 0 was a Comedy Night headlined by Gurleen Pannu, an upcoming artist in the comedy scene. Day 1 Pro-Show was the Fusion Night and there were spectacular performances by Mysore Xpress and Masala Coffee on a stunning stage setup. Day 2 was the DJ Night which was headlined by 2 renowned DJs – DJ Aceaxe and DJ Gian Nobilee. Day 3 Pro-Show was by none other than Sunidhi Chauhan who set the stage on fire with the finest of her numbers.



Inauguration of Incident by Shri Prakash Belawadi, Shri Shanth Thimmaiah and Smt. Tulsi Gowda



Various competitions organised during Incident



Bollywood night by singer Sundhi Chawhan

World Bicycle Day

On the occasion of the World Bicycle Day, to create awareness on physical activities, a cycling event was organised by the Institute on 3 May 2023 at 7:00 am. Around 200 students along with faculty, staff and administrative heads, participated in the event. The program was inaugurated by Prof. Narendranath S., Dean (Student Welfare) and Sri. Ravindranath K., Registrar. Cycling event had a stretch of about 6KM inside the campus.



Faculty and students participated in the World Bicycle Day

Ring Presentation Ceremony 2023

Ring Presentation Ceremony is one of the unique traditions of NITK Surathkal. During this ceremony every graduating student is presented with a Silver Ring on which the NITK emblem and year of graduation is embossed. Ring Presentation Ceremony was organised on 20 April 2023 at 5.30pm in the New Sports Complex Ground. Managing Director of Sona Group of Industries, Sri Yajnanarayana Kammaje, Youth for Seva Founder and Chief Mentor, Sri Venkatesha Murthy, Director, NITK (Additional Charge) Prof. Prasad Krishna, Registrar, Mr. K. Ravindranath, Dean-Alumni Affairs, Prof. Shrikantha S. Rao and others were present on the occasion.



Inaugural of the ceremony and the Director giving away the ring

Yuva Sangam (Phase-2)

As a part of *Ek Bharat Shrestha Bharat* program, the Yuva Sangam (Phase-2) was organised to promote the exchange of ideas and cultures between students of different State in India. Under the *Ek Bharat Shreshtha Bharat* programme, the states of Karnataka and Madhya Pradesh have been paired to implement the initiative. As part of this collaboration, the responsibility of coordinating the Yuva Sangam activities in their respective states has been assigned to the esteemed institutions, National Institute of Technology Karnataka (NITK), Surathkal, and Maulana Azad National Institute of Technology (MANIT), Bhopal, by the AICTE. Overall, 39 students from Karnataka including NITK and other colleges have visited MANIT Bhopal. There was warm welcome from MANIT staff and students. They visited various places like Indira Gandhi Manav Sangrahalaya, Birla temple, plantation event with the Chief Minister and meeting with the Governor, Waste Management Centre and the Integrated Command Control Centre, Sanchi Stupa, Bhojpur Temple, Ujjain temple, etc.



Karnataka Delegates Interacting with Faculty Members and Students of MANIT Bhopal



Karnataka Delegates at Madhya Pradesh Governor's Office

As per the second phase of the *EK Bharat Shrestha Bharat Yuva Sangam*, a delegation of 45 students accompanied by 4 faculty members from MANIT Bhopal, visited NITK Surathkal from 11 to 17 May 2023. Director, Dean (Student Welfare), and the Registrar welcomed the students and the faculty of MANIT Bhopal. Dr. Prasad Krishna, Director of NITK, inaugurated the programme by lighting the lamp. Under the guidance of NITK staff, students were taken to various places such as the beach, Pilikula Nisarga Dhama, the Jain temple, Udupi Matha, Sringeri Temple, etc.



Inauguration by the then Director, Prof. Prasad Krishna



Delegates from Madhya Pradesh at Swami Vivekananda Planetarium, Pilikula, Mangalore

9th International Day of Yoga

On the occasion of the celebration of 9th International Day of Yoga on 21 June 2023, a mass demonstration of the Common Yoga Protocol was undertaken in the Yoga Hall of the New Sports Complex. Around 300 faculty, staff members and students participated in the programme.



Participants of Yoga Camp

The programme was coordinated from the office of the Dean (Student Welfare). Dean (SW) welcomed the gathering. Prof. B Ravi, Director, addressed and enlightened the gathering about the benefits of Yoga. Yoga Guru Shri. Radhesh Mohandas demonstrated various yogic postures as per the Common Yoga Protocol suggested by Ministry of Aayush and Ministry of Education, Government of India.

NEWS FROM THE DEAN'S (RESEARCH AND CONSULTANCY) OFFICE

Currently, there are 208 ongoing and new projects sponsored by various sanctioning agencies including government, private and alumni bodies.

Financial Support from the Student Internship Fund

Activity	Academic Level of Beneficiary Students	Total Number of Students Benefitted
Conference	Ph.D	4
Abroad	B.Tech	1
Conference in India	Ph.D	7
	M.Tech	2
	B.Tech	2

NEWS FROM THE CENTRAL LIBRARY

Inauguration of the Renovated Library



The renovated and remodelled library was inaugurated on 6 August 2022 by the then director, Prof. Udaykumar R. Yaragatti, in the context of the Institute Foundation Day. The renovation work took almost two years to complete due to the obstruction from the pandemic. The remodelled library is fully air-conditioned with modern facilities. The classic reading hall on the ground floor has been given a new look with refurbished reading tables with power sockets for laptop and mobile charging. The renovated library has a capacity of seating more than 300 students.

Awards & Recognition:

The Central Library received Certificate of Excellence from Knimbus Online Pvt. Ltd., New Delhi, for being one of the top 10 libraries for the highest usage of the Knimbus Remote Access portal in India.

Book Donation by Alumni Members:

Global Convention – 14 (GC-14) of the Alumni Association of NITK was organised during 23-24 December 2022. One of the attractions of the event was an exclusive session on “Author’s Corridor” to display the books authored by the NITK Alumni. Most alumni members visited the e-Library Complex and the remodelled library during the two-day event and applauded the fantastic facilities and services of the library. It was a proud moment for the library when the Alumni Association came forward to donate as many as 52 books (with 9 unique titles) authored by the alumni members. The Librarian thanked all the authors and the Alumni Association for their noble contribution to the library books collection. All the books of the alumni members have been displayed in a separate Rotating Display Rack in the Classic Reading Hall of the remodelled library for wider visibility and usage by students and faculty members. The service has received an overwhelming response from the students and visitors to the library. The Chairman of the NBA Accreditation Committee, who visited the library, appreciated the library team for showcasing the books by the alumni.



User Awareness Programmes/Workshops/Events:

- Organised a webinar on “Integrating SCOPUS in Your Research Workflow” on 30 November 2022 at the Digital Learning Centre, e-Library Complex. Dr. Shubra Dutta, Customer Consultant, Elsevier, was the resource person.
- Organised an Online Demo on “Harvard Business Case Studies: An Overview” on 21 October 2022 at the Digital Learning Centre, e-Library Complex, for the faculty and students of the School of Humanities, Social Sciences & Management. Ms. Tarika Seth and Taran Panth from Harvard Business Publishing were the resource persons.
- Celebrated “Gandhi Jayanti” on October 2 by displaying books on Mahatma Gandhi selected from the Rare Books collection.
- Organized an author workshop on “Scientific Writing and Publishing” for the faculty and research scholars on Tuesday, 28 March 2023. The workshop was conducted at Digital Learning Centre, e-Library Complex with more than 60 Ph.D students and faculty members participation. Ms. Suvira Srivastava, Publishing Director, Springer Nature was the resource person, who spoke on How to Write and Get Published.



Ms. Suvira Srivastava, addressing the participants

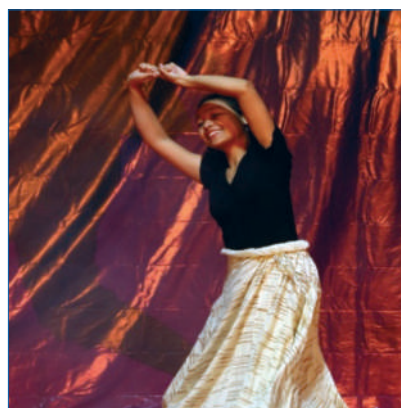
NITK Hostels

Crescendo

Crescendo, a festival of co-curricular activities for the students, is managed by a group of elected students from the hostel representatives. Crescendo organized the Aurora Dance Event on 26 November 2022 which was inaugurated by Dr Narendranath. S., Dean (SW) and Professor In-charge, Hostel Affairs (Additional charge). The event attracted many students from various branches. The winners were awarded attractive prizes and certificates.



Prof. Narendranath S. gives away prizes



Aurora Dance Event

Phoenix

Phoenix is a cluster of sports activities for the residents of the hostels managed by a group of elected students from the hostel representatives. The Phoenix recreation committee organized the Fresher' Cup Tournament, from 21 to 23 October 2022. The event was inaugurated by Dr. Narendranath. S. Phoenix attracted many students from various branches for the competitions. The winners were awarded attractive prizes and certificates.



Participants at the Fresher' Cup Tournament

Crescendo organised Coliseum, a competitive event from 24 March to 2 April 2023, which attracted many students from various branches for the competitions. The winners were awarded with attractive prizes and certificates.

1. Tree plantation in girl's hostel:



2. Phoenix

The phoenix recreation committee organized the Freshers' Cup Tournament, from 13 to 15 January 2023, flood-lit tournament from 17 to 19 February 2023 and Inter-Branch Tournament from 24 March to 2 April 2023. All the events attracted many students from various branches for the competitions. The winners were awarded with attractive prizes and certificates.

Fresher' Cup Tournament



Flood-lit tournament



Inter-branch tournament

3. Holi Festival Celebration 2023

Holi festival was celebrated in the NITKS Hostel premises on 10 and 11 March 2023. Kamadahana held on 10 March 2023 at 7.00 PM. The procession and colour play were held on 11 March 2023 between 9.00 AM and 12.00 noon.



Celebrating Kamadahana

Alumni Activities

Several batches of KREC/NITK visited the campus in person during the months of July to December 2022. NITK Surathkal Alumni Association organized the 14th Global Convention during December 23-24, 2022 on the campus.

The alumni footfalls in the campus started with the 1979 batch visiting the campus in the month of May 2022, almost after 43 years of graduation. During their visit, they interacted with several departments and centres to know how they could contribute to the Institute. Some of the alumni from this group have initiated a team called "IMPACT '79" to improve the ties with industries and bring quality R&D projects to NITK.



1979 batch alumni Meeting with HoDs and Centre Heads

Subsequently, alumni from the 1978 batch visited the campus during November 24-26, 2022. The batch visited all the departments and had discussions with faculty to explore the areas in which they could extend their support to the institution. A few of them also contributed to the Institute's endowment fund.



1978 batch alumni with Director (i/c) and Dean (Alumni Affairs)

On November 26, 2022, a group of MCA alumni (1998 batch) visited the campus. They held a stage function and felicitated their faculty members. Besides, they also assured of contributing to the alma mater in various possible ways.



MCA reunion group at SAC

About 65 alumni from the 1976 batch visited the campus during 9-11 December 2022. The group had a stage function in the Main Seminar Hall and also visited different departments and centres. The reunion batch also contributed to the Institute endowment fund. One of the alumni from this batch, Dr. Bopaya Bidanda, Professor of Industrial Engineering, from the University of Pittsburg USA, delivered a talk that was attended by students and faculty.



Alumni group of the 1976 batch handing over the donation

During 16-18 December 2022, a group of alumni comprising old students from the 1975 batch ('KREC Friends') was on campus for a reunion. A stage function was organized in the Main Seminar Hall with faculty and administrative officials attending the event. Sri N.G. Tukaye, MD of EM Electronix, delivered a talk on 'Manufacturing for Defense Applications'. The talk was attended by faculty and PG students. The batch also contributed generously to the Institute's endowment fund. During this time, an E-Vehicle model developed by CSD and sponsored by the 1972 batch, was launched.



MOU exchange with EM Electronix



N.G. Tukaye MD EM Electronix delivering Talk



1980 Batch reunion



A group from the 1977 batch



A group from the 1985 batch in front of the First Hostel Block

On 22 December, the batch of 2000 visited the campus and went around the campus and expressed their satisfaction with the research work taken up in the Institute. They also assured of supporting their alma mater soon.



Stage Function of the 2000 Batch Reunion

Alumni from the 1977 batch, 1980 batch, and 1985 batch also had their reunions and were on campus during 20-22 December 2022.

The Global Alumni Association (NITK Surathkal Alumni Association) organized the 14th Global Convention on the campus during 23-24 December 2022. More than 270 alumni attended the Convention – many of them with their families. There was the representation of alumni from most of the batches from 1967 to the 2021 batch. Alumni from USA, UAE, Ethiopia, and many other countries participated. A grand stage function was organized in the Silver Jubilee Auditorium. All the faculty and non-teaching staff of the Institute were invited to the event. During the two days of the Convention, sessions on Education and Technology, Panel Discussion, Author's corridor, Entrepreneur's Lane, Launch of E-Vehicle, and entertainment events like classical music, sand art, and Yakshagaana were organized.



**Address by Director (Additional Charge)
Prof. Prasad Krishna during the inaugural
function of GC-14**



**Handing over books authored by our alumni to
the Institute Library**

The batch of 1982 organized their reunion on 7th and 8th of Jan 2023. A stage function was held in LHC-C Seminar Hall. A few of the retired faculty who taught the batch were felicitated along with the Director and other officials of the Institute. The batch also visited CRF and CSD and departments.



**Address by Director (Additional Charge)
Prof Prasad Krishna**



Felicitation to teachers



At the Centre for System Design and the Central Research Facility

On 04 February, the 1973 batch organized their reunion on the occasion of completing 50 years of graduation (Golden Jubilee Reunion). 73 batchmates with families attended the event. The stage function was organized in LHC C Seminar Hall during which the batch felicitated their teachers. The batch visited the academic departments, library, and other centres. They also promised to renovate two lawn tennis courts of the institute and provide an astroturf surface for these two courts. The Bhumi Pooja was performed on 05 February.



A group from 1973 batch in front of the library



1973 batch at the lawn Tennis court



Inauguration of foundation stone for Obstacle Course at NITK, Surathkal

An obstacle course is a series of challenging physical obstacles an individual or a team must navigate, usually while being timed. Obstacle courses can include running, climbing, jumping, crawling, swimming, and balancing elements with the aim of testing speed, endurance, and agility. To be specific, this obstacle course includes straight balance, clean jump, zig-zag balance, high wall, double ditch, right hand vault, left hand vault, gate vault and ramp. 2 KAR ENGR COY NCC at NITK, along with NITK Surathkal and NITK Surathkal Alumni Association, is involved in the construction of obstacle course at NITK. The estimated budget of the project is Rs. 4.5 lakhs and is sponsored solely by NITKSAA (NITK Surathkal Alumni Association). The foundation stone was inaugurated by the Director NITK (Additional charge), Prof. Prasad Krishna and commanding officer 2 Kar Engr Coy NCC, Col. Anilesh Kaushik, on 11 May 2023.

MoUs Signed with Industries and Institutions/Universities (2022-2023)

SL No.	MoU SIGNING DATE	DURATION (Years)	ORGANIZATION	DOMAIN
1	11-07-2022	3	Srinivas University, Mukka, Mangaluru	To encourage collaboration and synergy between their staff and students in areas like R&D, Organising conferences, etc.
2	16-07-2022	5	Karnataka State Minerals Corporation Limited Bengaluru	Research, Training, and Internship to BE/B.Tech students by KSMCL during their Training
3	25-07-2022	3	QUNU Labs Private Limited, Bangalore	To promote interaction between QUNU labs and the Institute in Cybersecurity, Quantum safe internet technologies, Network Security, Cryptography, and allied areas
4	09-09-2022	3	Niveus Solutions Pvt. Ltd, Udupi	To advance multidisciplinary research, development, and education in emerging technologies and applications, such as cloud infrastructure, Data Analytics, AI, ML, and a few others
5	16-12-2022	5	EM Electronix Pvt. Ltd, Bengaluru	To Promote Collaboration in the area of EV Control Units and Charges
6	06-02-2023	5	Bharat Electronics Ltd (BEL) Bengaluru	Solving academic, research and other pressing problems faced by Defence, Strategic, and Civilian Sectors
7	14-06-2023	3	Technomillennials Private Limited, Mangaluru	To foster collaboration in various areas such as research and development projects, enhancing skills and training, and engaging in several other mutually agreed activities.

PLACEMENTS 2022-2023

Statistics as of 30.06.2023

Department	Eligible Students	Placed	% Placed
B.Tech			
Civil Engg	90	67	74.44
Chemical Engg	54	50	92.59
Computer Science & Engg	115	113	98.26
Electronics & Communication Engg	112	108	96.42
Electrical & Electronics Engg	112	105	93.75
Information Technology	113	112	99.11
Mechanical Engg	178	165	92.69
Metallurgical & Materials Engg	38	36	94.73
Mining Engg	44	40	90.90
Total B.Tech	856	796	92.99
M.Tech			
Civil Engg			
Structural Engg.	39	30	76.92
Geo Thermal Engg	23	18	78.26
Environmental Engg	35	21	60
Transportation Systems Engg	31	22	70.96
Construction Tech & Mgmt	31	28	90.32
Water Resources & Ocean Engg			
Marine Structures	28	24	85.71
Water Resource Engg & Mgmt	17	15	88.23
Geoinformatics	23	13	56.52
Chemical Engg			
Environmental Science	31	13	41.93
Chemical Engg	12	5	41.66
Industrial Biotechnology	24	22	91.66

Computer Science & Engineering			
Computer Science & Engg	37	35	94.59
Information Security	39	38	97.43
Electronics & Communication Engg			
VLSI	38	33	86.84
Communication Engg & Network	33	28	84.84
SPML	31	29	93.54
Electrical & Electronics Engg			
Power & Energy System	38	37	97.36
Information Technology			
Information Technology	35	35	100
Mechanical Engg			
Thermal Engg	24	21	87.5
Manufacturing Engg	26	23	88.46
Mechatronics	32	30	93.75
Mechanical Design	26	25	96.15
Metallurgical & Materials Engg			
Process Metallurgy	3	3	100
Materials Engg.	21	18	85.71
Nanotechnology	13	6	46.15
Mathematical & Computational Science			
Computational Data Science	36	31	86.11
Total M.Tech	726	603	83.05
MCA	54	51	94.44
MBA	43	31	72.09
MSc (Chemistry)	35	18	51.42
MSc (Physics)	16	10	62.5
Total	Eligible Students	Placed	Total % Placed
	1730	1509	87.22
Total Companies Visited: 352	Maximum salary: Rs 54.75 LPA		
Average Salary UG: Rs. 18.26 LPA	Median Salary: 15 LPA UG: 93 %		PG: 81.57 %

2022-23	Total Eligible Students	Placed	% placed	Max Salary	Median salary	Avg salary
B.Tech	856	796	92.99	54.75	15	18.26
M.Tech	726	603	83.05	38.14	11	12.64
MCA	54	51	94.44	38.14	13.59	16.76
MBA	43	31	72.09	9.83	8.1	7.93
MSc	51	28	54.90	18	6.5	7.1

Internship Slots for the Academic Year 2022-23 as on 30-06-2023

Sl. No.	Branch	No. of Slots
01	Chemical Engg	27
02	Civil Engg	7
03	Computer Science & Engg	94
04	Electronics & Communication Engg	49
05	Electrical & Electronics Engg	37
06	Information Technology	83
07	Mechanical Engg	48
08	Metallurgical & Material Engg	6
09	Mining Engg	0
10	Mathematical & Computational Science	13
11	Water Resources & Ocean Engg	7
Number of Companies: 68		Number of Internship Slots: 371

New Infrastructure Completed, Planned and Being Executed

Buildings Completed

- Building for Boys Hostel of 200 triple occupancy room (Block-11) has been completed by CPWD, at the cost of Rs. 43.00 Crore under Grant-in-aid-OH-35 (picture below).



- Building for Girls Hostel (Block-6) has been completed by CPWD at the cost of Rs.37.88 crore under the HEFA infrastructure scheme (picture below).



Godavari, the 6th Hostel Block for Girls (212 Double-occupancy and three Single-occupancy Rooms for Differently-abled Persons)



10th Hostel Block, Brahmagiri, with 500 Single-occupancy Rooms

Infrastructure Being Planned and Executed

- Construction of the Lecture Hall Complex (LHC-D) at the cost of Rs.59.29 crore under HEFA has begun. The complex with G+5 floors having a total built-up area of 11,240 Sq.Mtr, shall house 30 Lecture Halls, four smart studios, and faculty rooms. CPWD is constructing this facility. Union Cabinet Minister for Education, Skill Development and Entrepreneurship, Shri Dharmendra Pradhan laid the foundation stone for this building on 15 October 2022.
- The Heavy Structure Testing lab of the Department of Civil Engineering at Rs. 7.3806 Crore has been approved by BoG. Work entrusted to CPWD shall commence soon.
- The BoG has approved state-of-the-art swimming pool complex at Rs. 7.96 Crore; CPWD has commenced the construction.

Activities at the Central Research Facility (CRF)

AMCT - 2022 Workshop by CRF-NITK



Participants of the Workshop on Advanced Materials Characterization Techniques (AMCT 2022) organised by the CRF from 10 to 14 October 2022.



Workshop for Indian Naval Academy Organised at CRF from 24 to 29 July 2022

CRF as Exhibitor at AM 3D Aero 2022



Exhibition held during 8th & 9th December 2022, organised by American Society of Mechanical Engineers (ASME) India at M.S. Ramaiah Institute of Technology, Bengaluru



3D PIV with LDV/PDPA System equipment installed during 19-23 December 2022

Apart from the above activities, a 45-day Internship Training was held in the area of X-Ray Diffraction and Field Emission Gun Scanning Electron Microscopy for students from the Department of Metallurgical and Materials Engineering, National Institute of Technology, Srinagar.






During January-June 2023, the following were the external visitors to CRF:

- Dr. Biju K. G., Department of Physics, WMO Arts & Science College Muttill PO, Wayanad.
- Robin George, M/s Log9Materials, Bengaluru.
- Dr. Sedagatti, Professor, Mechanical, Industrial and Aerospace Engineering, Concordia University, Canada
- Dr. N. Panchanathan, Former Vice-Chancellor at Tamil Nadu Teachers Education University, Cuddalore, Tamil Nadu, India
- Dr. Diane Langer, Director, Automotive OEM Coatings Technology BASF (Americas),
- R. Adm D. K. Goswamy, Naval Dockyards, Mumbai
- Dr. Yaqian Liu, Polymer Research Division, BASF, Germany
- Dr. Dhiren Panda, Executive VP (R&D), JSW Steel








RETIREMENT OF STAFF

Faculty

Dr. Muralidhar Kulkarni , Professor (HAG), Department of Electronics and Communication Engineering	Retired from the Institute service under Voluntary Retirement Scheme (VRS) on 31 December 2022	
Dr. Vijay Desai , Professor, Department of Mechanical Engineering	Retired from the Institute service under Voluntary Retirement Scheme (VRS) on 31 January 2023	
Dr. Chivukula Suryanarayana Murthy , Professor (HAG), Department of Mining Engineering	Retired from the Institute service upon superannuation on 31 March 2023	
Dr. K. Swaminathan , Professor, Department of Civil Engineering	Retired from the Institute service under Voluntary Retirement Scheme (VRS) on 31 March 2023	
Dr. A.U. Ravishankar , Professor (HAG), Department of Civil Engineering	Retired from the Institute service upon superannuation on 30 April 2023	

Dr. (Mrs.) H. D. Shashikala, Professor, Department of Physics	Retired from the Institute service under Voluntary Retirement Scheme (VRS) on 30 April 2023	
Dr. Vedala Rama Sastry, Professor (HAG), Department of Mining Engineering	Retired from the Institute service under Voluntary Retirement Scheme (VRS) on 30 April 2023	
Dr. H. Suresh Hebbar, Professor, Department of Mechanical Engineering	Retired from the Institute service upon superannuation on 30 June 2023	
Dr. Gopal Mugeraya, Professor (HAG), Department of Chemical Engineering	Retired from the Institute service under Voluntary Retirement Scheme (VRS) on 30 June 2023	
Shri Shivaram A., Senior Scale Assistant Physical Director, Department of Physical Education, Sports and Student Activities	Retired from the Institute service upon superannuation on 30 April 2023	

NON-TEACHING EMPLOYEES

Sl. No.	Name of the Employee	Date of Superannuation	
1	Purushothama B. Assistant Engineer (SG-I) Department of Civil Engineering	31.07.2022	
2	Smt. Premalatha Assistant (SG-II) Academic Section	31.07.2022	
3	Shri Padmanabha Acharya Technician Department of Water Resource and Ocean Engineering	31.07.2022	
4	Smt. Bhavani Junior Assistant Office of the Security Officer	31.07.2022	
5	Shri M. Suresh Poojary Technical Assistant Works Establishment Section	31.08.2022	
6	Shri Dinesh K. Assistant Engineer (SG-I) Building and Works Section	30.09.2022	
7	Shri S. Rajesh Junior Assistant Office of the Dean (FW) and (P&D)	31.12.2022	





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