

# TheNISTian 2021



## SILVER JUBILEE CELEBRATION

(1996-2021)

*Celebrating our Legacy and Vision*



[www.nist.edu](http://www.nist.edu)

# NIST AUTONOMOUS

Center for Academics and Research Excellence Since 1996

Institute Park, Pallur Hills, Berhampur, Odisha-761008, India



*The Silver Jubilee (25th Anniversary) Celebration of NIST*

# ***SOUVENIR***

**2021-22**

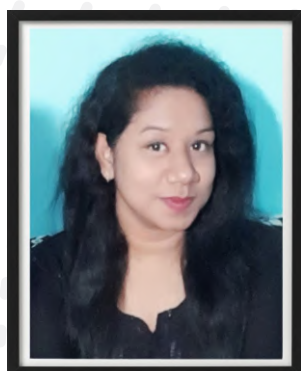


**Chair, Souvenir**  
Prof. Anil Kumar Bishi

## **Editorial Board**



Prof. Sarangadhara Hota



Prof. Afreen Ali



Mr. Abhisikta Mishra

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# MESSAGE FROM Hon'ble Governor



I am glad to know that NIST (National Institute of Science and Technology), Berhampur celebrates its 25<sup>th</sup> anniversary on September 18-20, 2021. A souvenir is also being brought out to mark the occasion.

Twenty-five years on, NIST has grown into a leading institution offering undergraduate, postgraduate and doctoral programmes to the students. The efforts and dedication of founder, faculty and many others have taken the institute to this height. On this memorable occasion I convey my congratulations and best wishes. I am sure NIST would continue to build on its academic excellence while promoting innovation and inter-disciplinary environment and prepare students to make a positive difference in the world.

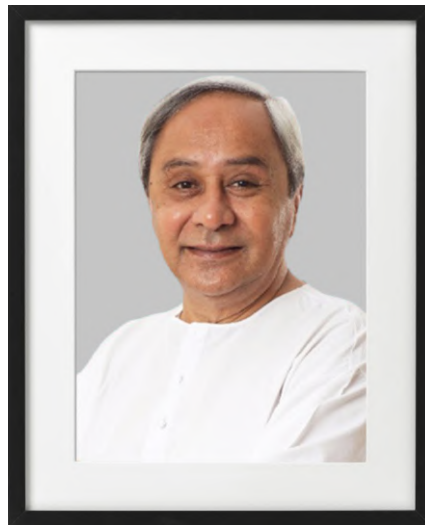
I wish the occasion and publication all success.

A handwritten signature in black ink, appearing to read 'Ganeshi Lal'.

(Ganeshi Lal)

# MESSAGE FROM

Hon'ble Chief Minister



I am glad to know that the National Institute of Science and Technology (NIST), Autonomous Berhampur is celebrating its 25<sup>th</sup> anniversary from 18<sup>th</sup> to 20<sup>th</sup> September 2021 and a souvenir is being brought out in commemoration.

The National Institute of Science & Technology, Berhampur occupies a special place in technology education of the State. In the last 25 years, it has created a niche for itself in the realm of higher education in the country through its focussed quality education. I am glad that the NIST has been investing a lot in cutting-edge research. I am sure the institute will continue to scale new heights in higher learning and knowledge.

I congratulate all of you on this occasion and wish the celebration all success.

A handwritten signature in black ink, appearing to read 'Naveen Patnaik'.

( NAVEEN PATNAIK )

# MESSAGE FROM

Minister, SDTE



It gives me immense pleasure to know that NIST, Berhampur is completing 25 years in the service of Technical Education in Odisha.

It is heartening to know that NIST, Berhampur has been doing valuable efforts in industry-academia collaboration, thereby creating a nurturing environment where the industry and educational institutes work hand in hand. I hope and wish that Institute will be a trend setter in addressing industry issues in the State. I also hope, the institution will have participatory role in enriching the human resources environment. .

I convey my best wishes to the Chairman, Faculty & staff. Also wish the Institute to serve remarkably to the technical education system and foster industry academia interaction.

I convey my best wishes for the success of Silver Jubilee Celebration and the publication of the Souvenir.

  
(Premananda Nayak)

# MESSAGE FROM UGC Chairman

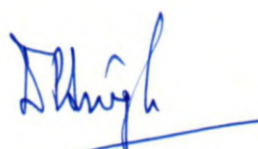


## MESSAGE

I am pleased to know that National Institute of Science and Technology (NIST), Berhampur, Odisha, has completed glorious 25 years of its existence and is going to celebrate its Silver Jubilee from 18<sup>th</sup> to 20<sup>th</sup> September, 2021. To commemorate this occasion, the Institute is planning to publish a Silver Jubilee Souvenir.

On this historic occasion, which marks the realization of dreams of the founding fathers of the institution, I extend my best wishes and greetings to the Principal, Management & Administration, teaching and non-teaching staff, students and Alumni.

I wish the Silver Jubilee Celebration a grand success.



(Prof. D.P. Singh)

# MESSAGE FROM Chairman, NIST



It is indeed a great pleasure that National Institute of Science and Technology (NIST), Institute Park, Berhampur is celebrating its 25<sup>th</sup> anniversary (Silver Jubilees) on its foundation day of September 18<sup>th</sup>, 2021. NIST was established in 1996 as first NRI higher educational venture in the state. It was the first engineering college in southern Odisha affiliated to Berhampur University then. It was the vision and dream of the founding members to build NIST as a center of academic and research excellence at par with International Research Universities in their home state of Odisha.

Located at foothills of Pallur Hills in Berhampur, spanning over sixty acres of lush green campus, NIST has become a premiere research institute in the country offering undergraduate, graduate, and Ph.D. programs. NIST is NACC “A” and NBA accredited. It is highly ranked amongst the institutes and in 2021 it ranked 98<sup>th</sup> in the country in engineering by Times ranking.

Over 25 years, NIST has set benchmark through its outstanding academic programs, quality education, and cutting edge multidisciplinary research in many areas such as VLSI Design, Data Science, IoT, Renewable Energy, etc. NIST faculties and scholars are recipient of significant research grants from multiple international and national organizations like DST, DST SERB, UGC, and AICTE etc. NIST has research collaboration with Universities around the globe and has strong industry-academia partnership. NIST alumni over 15000 today occupying leadership positions in technology, management, research, academics and being successful entrepreneurs in the span of 25 years speaks volume about institute’s significant contribution in higher education in the state and country.

My sincere thanks to entire NIST fraternity of alumni, students, faculties and staff of the wonderful accomplishments and completing glorious 25 years of NIST. You have not only excelled in your areas of interest, but your uniqueness, diversity, and commitment will carry forward the legacy of NIST. We have made tremendous progress, but we have miles to go, as our quest for excellence will never stop; our rich heritage and legacy will only continue to grow further.

I congratulate the entire editorial team for their hard work and dedication for publication of the souvenir on the occasion of golden jubilee celebration of NIST.

A handwritten signature in black ink, appearing to read 'S. Mohapatra', with a horizontal line underneath.

Dr. Sukant K. Mohapatra



# MESSAGE FROM

## Principal, NIST



National Institute of Science and Technology, Berhampur was a dream project of SM Charitable trust. It came into existence in 1996, as the first NRI venture in Odisha, to provide technical education to the students of Southern Odisha. It is the continuous efforts of the trust members that NIST continues to grow in proper direction imparting formal and informal knowledge to its students.

With a visionary and encouraging blend of mind, NIST has seen multi-fold growth in the last 25 years. In the recent years, NIST has bagged number of awards and recognition. Over these years, NIST has set a benchmark in the field of research and academics. NIST along with collaborating institutions like IIT, Delhi, NEERI, Nagpur, CMET, Pune, University of Hyderabad, University of California, Michigan State University, Stanford University, and NJIT, USA have bagged the Intel DST-IUSF Award for the project, *'Integrated low cost water sensor for real time river-water monitoring and decision-making'* jointly funded by the Department of Science and Technology, Govt. of India and Intel (Indo-US Science and Technology Forum).

I extend my heartfelt thanks to the hardworking and dedicated faculties, staff and students who have been completing their assignments with enthusiasm. It is through their consistent and personal involvement that we have come this far and feel proud to be a centre of research and academic excellence.

*Priyadarshi Tripathy*

Dr. Priyadarshi Tripathy

# Journey of NIST

National Institute of Science and Technology (NIST), Berhampur, Odisha is a premier educational institute in the state and country today, promoted by SM Charitable Educational Trust. The Trust is founded by donor/author trustees Dr. Sukant K. Mohapatra and Ms. Sanjeeta Mohapatra based in USA. Dr. Sukant Mohapatra, Founder Chairman is an Alumni of NIT, Rourkela with MS from University of Louisiana, Lafayette, and PhD from Stevens Institute of Technology, USA. NIST was established in 1996 as first NRI higher educational venture in the state and first engineering college in southern Odisha under Berhampur University.

It was the vision of founding members of the institute to establish and grow NIST as a world class centre of academic excellence and research in their home state of Odisha.

The physical infrastructure at NIST is second to none. Nestled in the green hills of Pallur, the campus is spread over 60 acres and is home to 4000 students residing in the campus. A fully Wi-Fi campus with landscaped gardens, aquarium, parks, fountains, makes it a place full of joy of living amidst nature. The 4.3 lakh square feet of academic space makes it one of the largest in this part of the country. The sports infrastructure of indoor games, swimming pool, floodlit tennis courts, basketball courts, cricket, and indoor stadium makes it a veritable paradise for sports lovers.

NIST is considered as a benchmark research institution in eastern India. The Institute has recently signed MoU's for research collaboration in the field of nanosciences, communications, semiconductor technology with the National Taiwan University and University of Electro Communications, Japan.

NIST has signed MoU with industries like Sandhur and SunMoksha for collaborative work in the area of Nano Technology and Renewal Energy. NIST, in association with IIT, Kharagpur, is also part of the MHRD Virtual Laboratory project.



Every year, NIST offers skill development programs that are highly beneficial for students and industry sponsored candidates in getting employed or enhancing the career. The participants of these programs can build a strong base learning directly from experts, knowing the practical implementations, and finally getting a certification from NIST, a recognized study, research and development centre. NIST is nodal agency for many skills development programs and has been organizing programs in association with govt. agencies, professional associations and corporates.

National Institute of Science and Technology (NIST) is a pioneer institute in Research and Development (R&D) activities in the State of Odisha. Right from its inception in the year 1996, NIST has been involved in numerous R&D activities. The institute has set up modern laboratories and the supporting infrastructure for undergraduate and post graduate and Ph.D. students. Research orientated education at this Institute can enhance engineering science to development of new technology. NIST has successfully implemented Under Graduate Research program and student RAs and Summer Interns have done commendable research work. Recently NIST has been awarded the Energy Conservation Award - 2017 by the Govt. of Odisha and NIST Student Team has won the First Prize in the CADENCE design contest.

NIST along with collaborating institutions like IIT, Delhi, NEERI, Nagpur, CMET, Pune, University of Hyderabad, University of California, Michigan State University, Stanford University, and NJIT, USA have bagged the Intel DST-IUSF Award for the project, 'Integrated low-cost water sensor for real time river-water monitoring and decision-making" jointly funded by the Department of Science and Technology, Govt. of India and Intel (Indo-US Science and Technology Forum). Research activities are the backbone of NIST and the activities lead to innovation and development of new technologies.



Research collaboration with National Taiwan University, Taiwan



Signed MoU with University of Electro-Communication, Japan



Research Collaboration with Academia Sinica, Taiwan



Brunel University London, UK



Myongji University, Seoul, South Korea



Stanford University, CA, USA



New Jersey Institute of Technology, NJ, USA



University of California at Riverside, CA, USA

Over these 25 years of legacy, NIST has always thrived for academic excellence, national accreditation and reputation, research and innovation in engineering. In recent years, NIST has achieved a number of awards and recognition. NIST has been ranked 61st among the top engineering colleges of India by Outlook India 2017. NIST has been ranked 1st in Eastern INDIA and 14th among all Engineering Colleges in INDIA by DATAQUEST 2017. NIST ranked 69th at all India level and 1st Private Engineering College of Odisha by MHRD, Govt of India in 2017. Awards, rewards and accreditations have become synonymous with the institution in the recent past. The latest and the most prestigious in the list of achievements is the Grade 'A' accreditation bestowed upon NIST by the National Assessment and Accreditation Council (NAAC) of India (UGC) with the highest rating of 3.22 among all engineering colleges of Odisha. NIST has once again proved its credentials in bagging the "Best R&D Institute of Odisha". NIST has been honoured with the prestigious eINDIA 2013 Award at an event held in Hyderabad on July, 23.

The institute was bestowed the Best Performance Award for effective use of Renewable Energy in its campus in the Odisha Energy Conservation Awards 2015 and 2016. Abhijeet Mishra, 3rd Yr. B.Tech, Amit Bikram Sahu, 3rd Yr. B.Tech, and Kabita Mahato, 3rd Yr. B. Tech (Advisor: Dr. Palash Dash) were awarded with Rs. 50,000 for implementation on Design and development of an automated measurement and cutting system for dress making applications under Odisha Youth Innovation Fund Scheme by Odisha Youth Innovation Fund (OYIF) by OSIC Ltd. in 2017. Ankit Pandey, Yogeshwar kumara, Siba Pradhan, Anwesh Parida, Prateek Behera, Bigyan Dash and Ashish Swain won first prize in the Model Exhibition on problem statement on "U2 Interchange" in "Megalith 2017" at IIT Kharagpur. S. Sachin Kumar, Akanksha Garodia, Abhisek Negi won the 3rd prize in IEEE Agra Student Innovation Platform (SIP); HTC 2016 in 2016 under category: Hardware design. S. Sachin Kumar, AkankshaGarodia, AbhisekNegi, Amrita Sinha, Amitesh Prasad, Avijeet Mishra, Amit Bikram Sahu, Kavita Mahato, Ayush Kumar Pandey, won the 4th prize in IIT BHU Techfest (Technex) in 2016 under Category: Hardware design.

The NIST Student Team won the first prize in the CADENCE DESIGN CONTEST 2016 (Undergraduate Category) held in Bangalore on 22.9.2016. SAE NIST COLLEGIATE CLUB Team MErauders 2.0 had participated in SAE EFFICYCLE 2016 a National Level Competition, held in Lovely Professional University, Jullundur from 12th of October 2016-16th of October 2016 and got awards in two categories; (1) BEST HYBRID VEHICLE, (2) BEST CAD/CAE AWARD. NIST RE Club group achieved WIPRO EARTHIAN-2015 Award. NIST, RE club student Group achieved the Runners up in the Event SAMPAN, in the IIT-BHU Techfest, TECHNEX-2015. National Institute of Science and Technology (NIST), Berhampur, Team Members in CADENCE Design Contest 2015 won the 1st Prize in the Under Graduate Category for their project titled "Automated Parking System Design using Cadence Tool". NIST Electronics Hobby Club bagged the first prize in TECHFEST(COGNIZANCE-2015) of IIT, ROORKEE on 27-29th March-2015. NIST won the CADENCE Design Contest 2014.



### PANDEMIC IT IS ...

I don't want to go school  
My stomach hurts, I have fever  
I'll use this excuse again...I know I'm a believer  
Covid-19 has become one of the scariest times  
It's like having ketchup with more limes  
I used to run away, not from life  
But I used to run, run hard from household chores  
And now I'm stuck cleaning every windows and every doors  
I was never respected in the house before  
But now, I don't know how but my mother adores  
Who said that, spending time in the house helps  
If you have a brother like me, you'll yelp  
Everyone is working out and here I'm, always hungry  
Mom can I get some more curry and is there any nutella left in this country?  
I decided to do something productive, how about writing some poetry!!  
Never mind my soul and mind disagrees  
Not because of the talent required, but laziness definitely  
We'll get through this my mind yelled  
Amazingly, somehow the entire world meld  
The day is not far when it's going to be the very same old  
Where freedom impelled and happiness excelled



NAME: AANCHAL KARNA  
BATCH- 2019

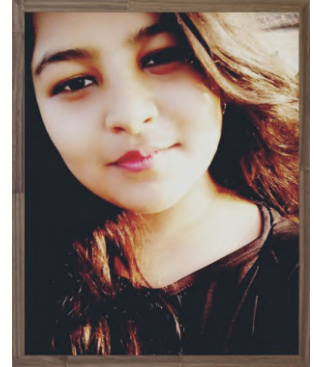
### "MY AWAITED ONE"

I had been waiting for someone;  
Who would be a stranger yet was none;  
Who would be with be on an endless night;  
And would croon me a tune to allay my fright.

Little did I knew my wait was over;  
My heart was robbed my breathe became slower;  
I felt contented and no more loner;  
As I became your book and you were my owner.

You made me humm, you made me smile;  
The bond grew deeper and made great stride;  
The dreams of ocean, you made me dive;  
My fear was gone and I felt alive.

Your presence around me is so much fun;  
The lane is unfathomable in which we run;  
Our decision was approved and we became one;  
Thus, a new chapter of my life had begun.



NAME: KHUSHI GUPTA  
BATCH- 2019

### HAPPINESS..

Is having a cup of tea at an old distorted place with old school buddies.

Is coming across an old friend and starting a conversation while waiting alone for the bus at the bus stop.

Is when I write poems and he smiles reading himself in them.

Is when a new born baby tangles it's fingers in yours.

Is when it rains suddenly when you are having a cup of coffee by the window.

It's when a random stranger crosses your path with a smile when you are upset.

Is when suddenly in the middle of a conversation someone laughs and seeing that person laugh everyone else start laughing out of nothing.

Is when we are craving for sweets and then we find that last scoop of ice cream inside the fridge.

Is when we accidentally find a ten rupees note inside the pocket of an old jeans. It sometimes comes in a round shape packed inside a square box in the form of pizza.

Is having your favourite dish from the hands of your beloved.

Is getting the name of the song whose music you have been humming since long without being able to recall it's name.

Is getting fit into an old cloth and smiling while admiring yourself in front of the mirror.

Is eating cotton candy by the streets along with your small siblings.

Is recalling all the moments associated with a picture while going through an old album.

Is in being lost in your life and being found in someone else's. Happiness is in all that is around us, all that is within us and all that is with us.

It's the most beautiful feeling that paves the way to all the other feelings of the world and enhances their charm.

It's a matter of what the heart choses over time.

Happiness is in being Happy.



NAME: PRATIKSHYA  
MAHARANA  
BATCH- 2019

### Freedom

With mind as wild as forests , and eyes that await's adventure,  
the Illusion of thoughts acts as a bait for me,  
I close my eyes, to avoid the crowd ,  
trying to control something that's controlling me.  
Among the gusts of wind , everything seem to be paused ,  
the play of time doesn't bother me now .  
Music holds me in her hands,  
like a melody to the deafening silence,  
bit by bit I feel myself sinking  
into the world of thoughts ,  
all I could see are blurred images with lots of dots.  
Somehow ,music connects them all and weave a story ,  
and the lyrics bring up the emotions that I never felt before.  
I wish these moments could last forever!  
For a show so fine was never seen before.  
I wish these lies were true ,  
where I haven't chained my freedom with reasons and justifications.  
I wish I was brave enough, to be as free and wild as my mind is.  
How about we turn these temporary moments into an eternity!  
For there is pleasure in these pathless thoughts.  
In between sleep and awake , I create my own escape.  
Music has always been like a home to my demons.  
"But aren't we all the same within?  
Looking to be understood in someone else's writings!"



NAME: ANKIT KUMAR  
BATCH- 2019



### Ek bachpan mera vi...

NAME: SOUMYAJEET KHUNTIA  
BATCH- 2019

Kaam karne me din raat

Bachpan kehin kho diya

Kachhi umar me duniya dekh

Duniya ko he samjh liya

Yeh zikr vi toh karoon kisse

Sabke soch ne mujhe yaahan khada kiya  
Ladhun vi toh me kis seh

Khud khuda ne yeh safar de diya

Maan toh mera vi karta ki

School jata, durson jese hasta firta

Par yeh sab mujhse he duur kehin

Sayad mere kismat me yeh likha nehi

Traffic ke bhid seh liye, makan aur dukan tak

Bhaga dauda kaam me karta

Din ke ujjale seh liye raat ke andhere tak

Har pal bachpan she ladta firta

Kyun me haas na paya?

Kyun me school ja na paya?

baat toh sab karte rahe

Paar sache dil se kadam koie na liya.

### Souvenir

At the eve of my thinking  
when I gazed into the deep inside of my heart ,  
I used to get chunks of splitted memories  
Of picturesque dreams and  
never ending urge of have a glimpse of that Art...

From the diary of time  
She behold a small section of white  
Yah! It's true She painted well , and  
gave a color sprinkled touch to it ...

But!

At the end of the day  
She left that unfinished....  
She left that Scattered....  
She left that soul splitted....  
And The colors got faded.  
I was knelt down  
When the Weather changed  
When having that hailstorm punch.

But having a little hope  
that will get that glee back

I stopped there.  
And had the blow hymns of time  
Having little sips of dream wine.



NAME: SURYA PRAKASH DAS  
BATCH- 2019

### In this pursuit of happiness, i gorgot how to cry

NAME: K SOMESH  
BATCH- 2019

It's been years  
Since i saw tears  
rolling down my eyes.  
So i thought i was happy,  
Enjoying every moment  
Rejoying every day  
But then I realized  
That was not true  
My life was not that good glad all the way.  
I had been hiding all my pain,  
All my grief, without any phase  
I had been putting on  
A happy face.  
But it's too late now  
No matter how hard I try  
In this pursuit of happiness  
I forgot how to cry.....

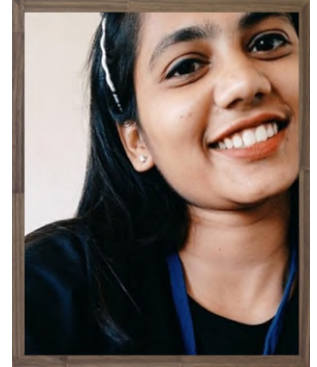
### To all the women out there

To all the women out there,  
Who are not as strong as the world demands,  
To all the women out there,  
Who continue to strive in abusive households,  
Who continue to hold on toxic relationships,  
Who continue to be allowed to be nipped in the bud,  
Who continue to allow negative things to happen to them.

To all the women out there,  
Who find hope that everything would fall back in place,  
Who sacrifice their self-respect for satisfying someone's ego,

Who let others to exploit their  
Who always pray for everything to set back right.

To all the women out there,  
You are not weak,  
You are just too good for this world,  
Too greedy to hope to find peace in this chaos.





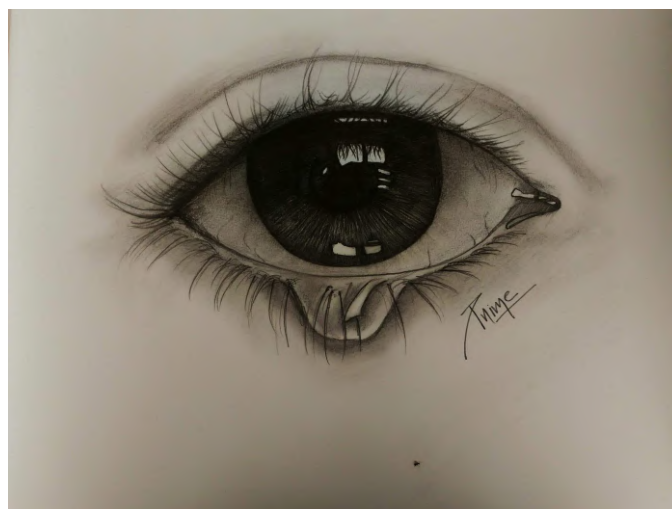
NAME: ANCHAL KARNA  
BATCH- 2019



NAME: ANSUMAN  
BATCH- 2019



NAME: ASISH SAHU  
BATCH- 2019





NAME: SAUMYA RANJAN  
BHARTI  
BATCH- 2019



NAME: SHYAMA TRIPATHY  
BATCH- 2019



NAME: SHREYA SWAIN  
BATCH- 2019





NAME: PRIYADARSHINI  
PANIGRAHI  
BATCH- 2019



NAME: M SAPNA ACHARI  
BATCH- 2019



NAME: RONALI DAS  
BATCH- 2017



NAME: SUSHMA SINDIRI  
BATCH- 2019



NAME: SWAYAMSIDDHA DAS  
BATCH- 2019



NAME: SINDIRI VINELLA  
BATCH- 2019





The NIST campus is spread over 60 acres where 4.3 lakh square feet of academic space. Around 70% of campus (above 40 acres) is green landscape and 15 acres of the campus anchor world class academic infrastructure, halls of residence, roads, sport complex and other facilities.

The sports infrastructure of indoor games, swimming pool, floodlit tennis courts, basketball courts, cricket, and indoor stadium makes it an absolute ecstasy for sports lovers.



## Flora & Fauna

Campus is dotted with multiple gardens. Major ones are:

- ⦿ Rock Garden
- ⦿ Fruit Garden
- ⦿ Ornamental Tree Garden
- ⦿ Cactus Garden
- ⦿ Flower and Rose Garden

The campus has significant water bodies such as ponds and fountains which makes it wonderful paradise during day and night.

### Flora:

The campus has over 80 species of fruits, vegetable and flowers. Among fruits, there are coconut, guava, banana, litchis, Sapota, Jamun and others. Multiple seasonal and other vegetables such as tomato, brinjal, spinach, etc. are also firm in the campus which is used in hostels and cafeteria.

### Fauna:

The campus is home to many animals and birds making it a perfect blend of human and animal ecosystems. There is an assortment of about 20 species of birds & animals in the campus. The animals include rabbits, guinea pigs, and trained dogs among others. Campus is a natural habitat for many species of birds includes love bird, ducks, pigeons, and sparrows among

### Aquarium:

The campus host magnificent aquarium with over 200 fishes covering many species. Institute has spent huge amount of fund to create campus green with significant and consistent effort to preserve rich ecosystem of flora and fauna in the campus. There about 40 peoples are involved on a daily basis to augment, preserve, and protect the ecosystem.



## Green and Renewable Energy

In partnership with SunMoksha, a clean technology solutions company from Bengaluru, and others, NIST has embarked on a unique development of "Renewable Energy Living Laboratory" in the campus. The institute has built a "Green Campus" that encompasses green solutions for all aspects of the campus operations such as renewable energy for electricity generation, thermal applications in kitchens, water recycling, waste management, waste-to-energy conversion, fully automated and monitored campus and a campus replete with greenery. It has set up renewable energy solutions on the campus and is imparting sustainability training to both students and faculties.

In a first-of-its-kind endeavor in the world, NIST is establishing a unique method of incubating a clean technology solutions company which would develop, test, and deploy the patented Nano Power solutions for rural homes, farms, and microenterprises. With Odisha Renewable Energy Development Agency (OREDA) playing the lead role - NIST's students, faculty, and staff are collaborating with SunMoksha, to develop, test, and deploy Nano Power solutions to create zero-emission sustainable communities.

### 10 kW WIND-PV Hybrid SETUP

It includes a Solar PV unit of 6.8 kW and a wind mill of 3.2 kW. It generates approximate 10000 units at a rate of 50 units a day. It includes a Solar PV unit of 6.8 kW and a wind mill of 3.2 kW. It generates approximate 10000 units at a rate of 50 units a day.



### SOLAR CONCENTRATED POWER UNIT FOR NIST HOSTEL KITCHEN

It's a Solar Concentrated power unit used for thermal application to generate heat to convert water into steam and facilitate steam based cooking for about 800-1000 meals a day in NIST hostel. It produces heat worth 85000KCal a day which is equivalent to 60kWh-e a day and 9000kWh-e a year/ 5.44kgs of LPG a Day and about 51 LPG cylinders per year.

### KITCHEN WASTE - BIOGAS PLANT AT NIST HOSTEL

This is a 1 Ton volumetric plant of kitchen waste-biogas plant producing 70CUM of gas per day. Which is 234kWh-e equivalent per Day and 70325 kWh-e per year and saving about 2 cylinders of LPG worth 27Kgs and about 8064kgs of LPG a year i.e 504 LPG cylinders. The plant consumes less than 5 units of electricity to shred the food waste to slurry and pump them out in to the primary storage.





## 15KVA BIOMASS - GASIFIER POWER GENERATING UNIT

This unit consists of 20kW gasifier from GEK, All Power Lab, USA which is fed to a biogas run engine-generator set of 15KVA capacity. Which is run at various feeds as wood stocks, rice husk/saw dust briquettes, coconut shells etc. This unit is run for 5hours a day to generate 48kWh-e a day and about 14400 kWh-e a year.

## BIOGAS FIRED 10MT COLD STORAGE AT NIST HOSTEL

This is a renewable energy based cold storage supplied by New Leaf called as Green Chill. Which does not use any electrical compressor unit but produces an equivalent cooling of about 4 degree Celsius equivalent to a 5TON Compressor runs a 10 TOR cold storage 24x7. The unit saves about 14000kWh-e per year with a recurring cost of only Rs 5000 a year.



## NIST Green Campus Awards and Recognitions



## WIPRO EARTHIAN WINNER

Group of Members from Renewable Energy Group had won the prestigious Sustainability Contest and workshop by Wipro Limited, Bengaluru at PAN India Level. The students had worked on the assigned problem areas of sustainability analysis and suggesting mitigation on the given guidelines. NIST was the only Private Engineering College among all other Top 10 who are the IITs, IIMs and Top Universities of India.

## SMART VILLAGE AWARD

The deployment of the NIST Embedded software group test bench genesis "Nano Power" and "Smart Nano Grid" in Chhotkei village in remote Satakoshia Tiger Reserve, Odisha was a path breaking village microgrid solution and it was not until it was agreed by the Smart city India group and awarded us with the Smart village award. The groups still are working on the field fed issues to develop smarter versions of the same.





## ODISHA STATE ENERGY CONSERVATION AWARD

All these focused research and development followed by immediate implementation as Proof of Concept and field deployment has been realized by the state energy authorities to bestow us with the best performance categories in the Odisha State Energy Conservation Award on the World Energy Conservation Day in sequel for last three years.

## GREEN CAMPUS AWARD BY DEPARTMENT OF FOREST

Last but not the least the Department of Forest and Environment, Govt. of Odisha awarded NIST for its outstanding performance plantation and afforestation work in 2016.





**Dillip Ranjan Sahu**  
(BE, CSE , 1996-2000)  
Citrix R & D India Pvt Ltd

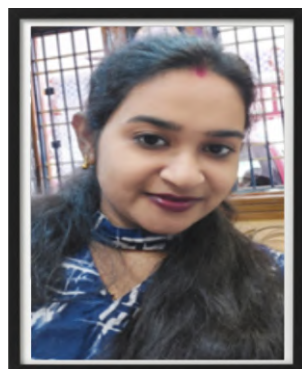
I joined NIST with great interest to learn something new and different. I am from the first batch of engineering batch, when NIST was starting. From that time onwards, it was a great journey in learning and experiencing academically. I am grateful to the professors, instructors, mentors and my friends who helped me in learning many aspects of life academically and grow to fulfill our dreams of becoming good engineers in the respective area of interest. I am thankful to the professors and instructors, who has guided us through the 4 important years of life which helps us to be in a great place and what we wanted to do. Thanks to their dedicated efforts and trust in us to become a good human being and become professionally efficient. I am thankful to NIST for providing me the recognition to stand out of the crowd. I wish NIST and the family a great success in delivering learnings to each of us and the new comers as well in future as well.

**Dr. Sudhakar Das**  
Batch (1997 to 2001)



**On the eve of the 25th establishment day (Silver Jubilee year) on 18th -20th September 2021.**

When I first entered NIST, I was anxious about my future as it was a newly established and it was just a year old. However, over the four years, I got the confidence with many opportunities both personally and professionally. My experience at NIST was just amazing. It was really a blessing in disguise. The college has molded my personality and clarified my vision of the future. These four years at NIST are the best years of my life concerning learning, experience and gaining exposure to fields relevant to my discipline, all due to my respected faculty members. The professors are all dedicated experts and helpful in their respective subjects. I will always cherish the feeling of studying at an institute which focused on career enhancements along with overall skill development. NIST has really proved as the stepping stone of my professional life. I would always be grateful to my beloved institute for providing me multi dimensional learning by providing the apt mix of academics, industry exposure and leadership and inspire me to achieve my goals. I just want to thank to the wonderful faculty members, staffs and my friends at NIST. I really feel proud when people recognize me with the name of NIST.



**Dr. Akankshya Patnaik**  
Head, Department of Management  
NIST, Berhampur

Rightly said “A Student life is a golden life”. But my life in NIST was more than gold. It was so awesome that few words can’t do justice to express my love for NIST. In its green den I felt the love of mother, I nurtured in my faculties gracious hands like a father, with friends, seniors, juniors I entered into a new sizzling environment in 2009. Honestly till now I am bound in its graceful palm. My life here was fun, intellectual, passionate and reliable. Strongly I believe the distinct ability to innovate, inspire and indulge I learned here. It helped me to sharpen my ideas and amplify my leadership skill. I pray God for NIST’s endless journey.



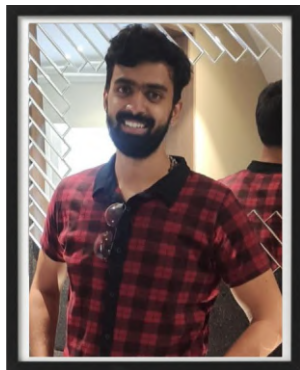
**Abhijeet Padhy**  
NIST Grad- 2018

Dreams were created at NIST & Dreamers were born here. They say engineering is 4 years, with 4000 assignments. But they forget to add it also includes 40,000 lessons of life in its syllabus. My journey was full of ups and down at NIST, but one thing is for sure, it all began from NIST. I am grateful to the NIST community, my batchmates, my teachers and my juniors for making me the person I am today. And on its 25 years of culmination, I wish this institution much more success ahead.

**Debabrata Parida**  
Philips India Ltd



I am Debabrata Parida, working in Philips India Let. as a Sr. Program Manager & Solution Architect. I work on end to end Data and workflow interoperability space in healthcare. I work across the globe in almost every geography including North America, Europe & Indian subcontinent. Last 21 years I have been into Healthcare IT sectors.



**Vanamali Ajay**

I take a lot of pride in calling NIST as my alma mater. Providing an evolving environment with a never ending zeal to provide the necessary platform to students, NIST has the responsibility of building skillful engineers for many decades ahead. As NIST celebrates its silver jubilee, I believe that it has the potential to stand out as one of the topmost universities in the country and be a face of the nation, I wish the college All the very Best for the future. Long Live NIST and its Legacy !!

**Anupam Baral**  
Wing Commander  
1996-2000 First Batch, ECE Branch.



My heartiest congratulations to all the NISTians on achieving the milestone of 25 glorious years of establishment by the NIST. I feel immensely proud and privileged to be part of this great institution, which continuously providing Culture of Excellence, Empowerment, and Enrichment. Since inception, the college has been molding the personality, clarifying vision of the future and providing guidelines & motivation to all the NISTians in achieving their goals. Excellent effort and great initiative by the institution for organizing the Alumni Meet as part of Silver Jubilee celebration. This is one of the many initiatives taken in past to stay connected among us and remained attach to this premiere institution. My sincere gratitude to the college management and Alumni Co-ordinator Mr. Manoj Kumar Sahoo for this effort. Once again, many congratulations on this outstanding achievement. Happy 25th Anniversary.



**Priti Mandal**  
MCA, 2016 Batch,  
Technology Analyst, Infosys

It is a moment of great joy for us as NIST, Berhampur is celebrating the Silver Jubilee of its foundation. On this auspicious occasion, I congratulate the management, staff, students, parents and all well-wishers of this institute. I chose this College as it is one of the best Engineering colleges in Eastern India. It's a privilege for me to study in NIST as the college not only provides excellent education, but also provides a platform for the students to discover and express their talents in different fields. From NIST, I got placed in a top MNC i.e.

Infosys and am serving here for the last five years. Because of the quality education in NIST, I was able to perform well in my professional life and get promoted two times in this period. I feel proud that the institute which started in 1996, with the sole objective of providing quality education to the students from various places in India, has made great strides in learning skills and made them great citizens of India. I pray that this institution may grow still higher with all its advancements and technology and become a centre of excellence in education.

**Sandeep**  
1996-2000 First Batch, ECE Branch.

What a great moment to travel back in the time machine 25 years back and cherish those wonderful moments we spent at NIST..!

Privileged being the first batch, thanks to all faculties and staffs of NIST for providing a very different curriculum which focussed on the necessary ingredients of becoming a successful Engineer. This really helped in all stages of my professional career and still continuing..!

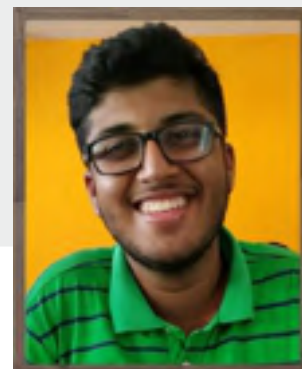
Thank you NIST.

**Rudra Tripathy**  
1996-2000 First Batch, CSE Branch

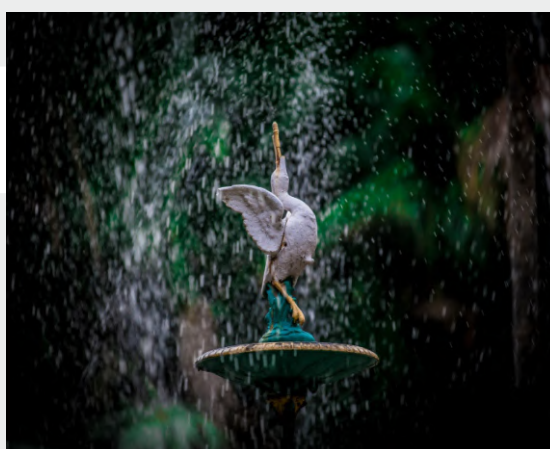
As a proud alumni, I congratulate management, lecturers and staffs for maintaining such a high standard of education. I wish students a great success in their career.



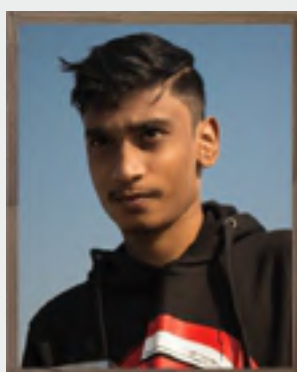
NAME: A SURAJ KUMAR  
BATCH- 2019



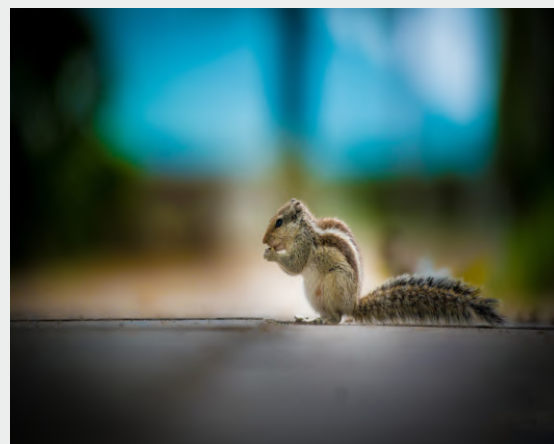
NAME: ANAND KISHEN PUJARI  
BATCH- 2019



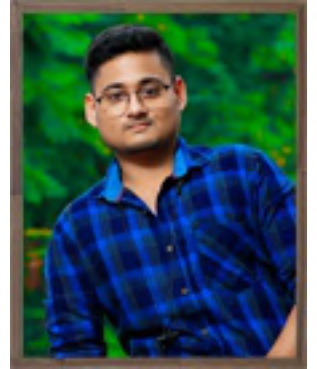
NAME: SAURABH PANDA  
BATCH- 2019



NAME: ANIKET PADHY  
BATCH- 2019



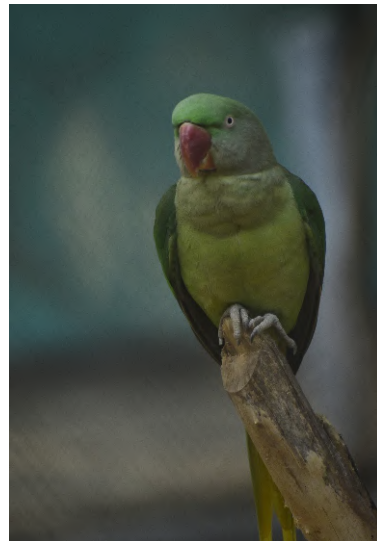
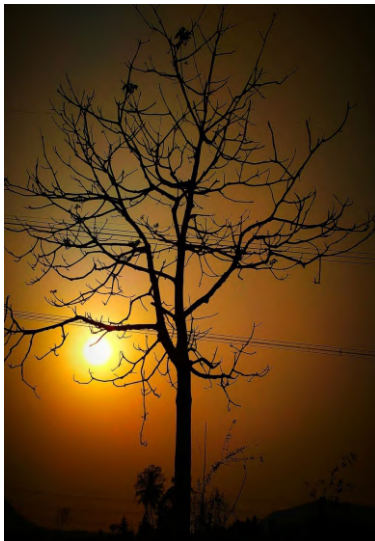




NAME: SAURAV MISHRA  
BATCH- 2019



NAME: SUBHAM SAHU  
BATCH- 2019



NAME: SUJAL PRASAD  
BATCH- 2019



NAME: SWASTIK PALO  
BATCH- 2019



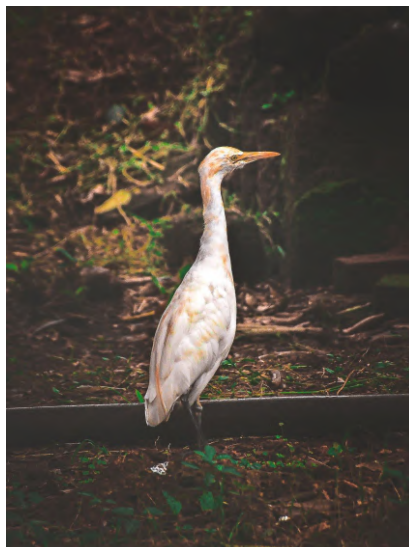
NAME: ARYASHRESTH  
PATTANAYAK  
BATCH- 2017



NAME: KRITIK KUMAR SAHU  
BATCH- 2019



NAME: LAGNAJIT PATNAIK  
BATCH- 2017







*Celebrating our Legacy and Vision*

**About NIST:** The National Institute of Science and Technology (NIST) (Autonomous) [www.nist.edu](http://www.nist.edu), Institute Park, Pallur Hills, Berhampur, Odisha, was established in 1996 as first NRI higher educational venture in the state. Located at foothills of Pallur Hills in Berhampur, spanning over sixty acres of lush green campus, NIST is a premiere research institute in the country offering undergraduate, graduate, and Ph.D. program in Engineering, Science, and Management. NIST is NACC “A” and NBA accredited. It is ranked 69th by NIRF, MHRD (Govt. of India) in 2016, 69th in All-India by DATAQUEST in 2017, and 58th and 60th in all India by OUTLOOK in 2018 and 2019 respectively and 98th in the country in 2021 Times ranking. NIST has set benchmark through its outstanding academic programs, quality education, and cutting edge multidisciplinary research, research collaboration with Universities around the globe and has strong industry- academia partnership with multiple industries in different sectors.



[www.nist.edu](http://www.nist.edu)

# NIST AUTONOMOUS

Center for Academics and Research Excellence Since 1996

Institute Park, Pallur Hills, Berhampur, Odisha-761008, India

## Vision

Focused on high quality teaching, creative innovation, entrepreneurship, and universal partnership

## Mission

A research institute committed to academic excellence, fundamental research and innovation, nurturing global citizens, and collaborative engagement

 0680 2492 421, 0680 2492 422

 Email: [info@nist.edu](mailto:info@nist.edu)

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