



JIS GROUP

Educational Initiatives



NIT NEWSLETTER

SPECIAL EDITION : COVID 19- LOCKDOWN
APRIL 2020

NARULA INSTITUTE OF TECHNOLOGY

#GharPePadhaiCoronaSeLadai

INDEX

- ❖ Online Digital Class
- ❖ Parent Teacher Meet (PTM)
- ❖ Institutional webinar on COVID-19
- ❖ Industry Collaborative Webinar
- ❖ Alumni Interaction
- ❖ Internship
- ❖ NPTEL Online Courses
- ❖ Online test
- ❖ Hackathon & MHRD ICC activity
- ❖ Innovation bulletin
- ❖ OnlinePublication
- ❖ workshops & webinar
- ❖ NSS activity
- ❖ Community connectivity
- ❖ Cultural activity
- ❖ Quiz and debate
- ❖ Creative corner
- ❖ Feedback

MESSAGE FROM PRINCIPAL

The world at this moment seems extraordinarily fragile affected with the pandemic COVID-19. Yet we are confident that every human being has the potential and opportunity to make a difference as seen now across the globe, in our families, our communities, and those on the front line. What's most important right now is the health and wellbeing of everyone across the globe and finding solutions for the many issues that have presented themselves as a result of this pandemic. Thus, we NiT family is focusing on this new chapter to understand how we can best contribute. Thus, we NiT family is focusing on this new chapter to understand how we can best contribute. Still, our work continues in the virtual making its impact on the real.



Quarantine! Quarantine!

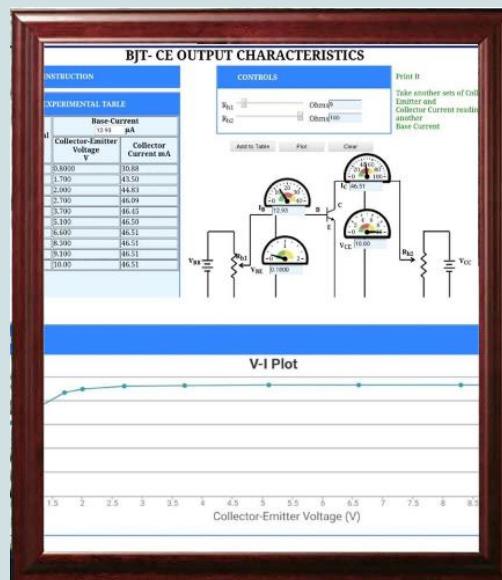
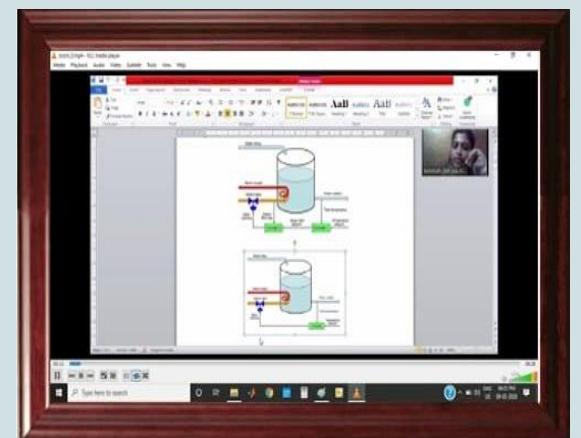
From where did the word come? What is the root of it? The word is Italian and has its root in Venice. The word "quarantine" originates from quarantena, the Venetian language form, meaning "forty days". Before the Ottoman invasion, the art, culture, luxury, and opulence of Venice were at its height. Many of the luxury items were imported from China via the sea route. From those ships came the rats which were the cause of the plague in China. In China, 66% of people died in a plague which was then transmitted to Venice via the rats in the cargo ships. In the late 13th and early 14th Century when the Black Death wiped out an estimated 30% of the European population and the plague was just rummaging Venice, then the people of Venice realized that the root of the plague was the rats from the ships of China. Thus, the ships were asked to stay away on a secluded island for 40 days (quarantine) to check if there were symptoms of infection to death. Therefore, determining the health of crews from potential trading and supply ships. Thus, as history repeats itself.

So, 2020 also witness the origin of the COVID-19 pandemic which originates from China. However, we could see that China adopting quarantine isolation could restrict the pandemic, but unfortunately, Italy couldn't, as they didn't follow isolation and social distancing.

ONLINE CLASSES

Total number of online classes : 6734

During this Lockdown period, our faculties have been continuing their teaching by using different online teaching platforms like *Google classroom*, *Cisco-Webex*, *Zoom* and various other ways. Teachers also provide teaching materials, Assignments etc. in the form of audio, audio-visual or other digital documentary modes. Teachers have also taken their respective lab classes through different online portals like *VirtualLab*, *Whiteboard* etc. by providing their lab assignments.



PARENT TEACHER MEETING

Total number of parent teacher meeting :48

All Departments of NiT have organized multiple numbers of *Online Parent-Teacher Meet* in various digital platforms. Teachers and parents share their valuable opinions regarding academic and digital activities. Principal, Prof. (Dr.) M.R.kanjilal attended every meeting and shared her valuable suggestions to the students. A huge number of parents conveyed their sincere gratitude for the support from the college in this crisis period. They mentioned that digital classes and all other digital activities conducted by the college authority in this crisis are highly appreciable.

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Total number of webinar conducted : 78

INSTITUTIONAL WEBINAR ON COVID-19

Across the world, people are being told to stay at home and practice 'social distancing' in the wake of the global corona virus pandemic. In the wake of this emergency situation, educational institutes around the globe are shifting their operations to online learning. The Narula Institute of Technology is stepping forward into this Online Learning by Collaborating with many reputed Industries and organizations to combat with this situation. Not only that the college have already organized many Webinars for Students, Faculty Members and Teaching and Non-Teaching Staff Members. Among them Dr. Manpreet Singh Manna former Director of AICTE, Ministry of HRD, Govt of India had addressed two Special Webinars on "How to make oneself productive: A key to unlock your skills in this Lockdown" and "Accreditation-Road to Transformation for Higher Education Institution"; Swami Vedatitananda, Ramkriahna Mission Shilpamandira(A Self-Financed Polytechnic), Belur Math-Howrah had addressed a Webinar on "What is my Future?"; Mr. Krishna Kumar, CEO of GreenPepper given a Webinar on "Future of Work: Life Post Covid 19"; Ms. Rama Moondra, Strategic Consultant, Leadership & Management Coach, Visiting Faculty at Different IIMs given a Webinar on "Role of Confidence and Attitude in Public Speaking" are to name a few.

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WEBINAR SESSION

HOW TO MAKE ONESELF PRODUCTIVE:
A KEY TO UNLOCK YOUR SKILLS IN THIS
LOCKDOWN

Dr. Manpreet Singh Manna
Former Director AICTE,
Ministry of HRD, Govt. of India

Date: 17th of April, 2020
Time: 3 PM

Coordinator
Ms. Nidhi Singh

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WEBINAR SESSION

FUTURE OF WORK : LIFE POST
COVID 19

Mr. Krishna Kumar
CEO of GreenPepper, Motivational Speaker

Date: 18th of April, 2020
Time: 12.30 PM – 1.30 PM

Coordinator
Ms. Nidhi Singh

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#IndustryInitiative

ASK ME ANYTHING
ABOUT ADMISSION

**A SESSION WITH
MS. NIDHI SINGH**
REGISTRAR, NIT

DATE: 05.04.2020
TIME: 12.30 pm to 1.00 pm

ZOOM WEBINAR

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APPLY NOW

A Special Webinar on
ACCREDITATION-ROAD
TO TRANSFORMATION FOR
HIGHER EDUCATION INSTITUTION

05
April
2020

Speaker Dr. Manpreet Singh Manna
Former Director AICTE, Member SWAYAM
Assoc. Prof. SURET, Langkawi
Member UNO SDGs
Advisor SMT UK
Senior Member IEEE, Fellow IET

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bhumika.ahm@iitgroup.edu.in
- All Participants will receive participation
e-Certificate

BAC

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WEBINAR SESSION

ROLE OF CONFIDENCE AND ATTITUDE
IN PUBLIC SPEAKING

Ms. Rama Moondra
Strategic Consultant,
Leadership & Management Coach
Visiting faculty at different IIMs

Date: 24th of April, 2020
Time: 12.30 PM

Coordinator
Ms. Nidhi Singh

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INDUSTRY COLLABORATIVE WEBINAR

Total number of industry collaborative webinar :35

Industrial Training/ Industrial Visit is a vital part of Students getting *first-hand experiences* and get a chance to explore more *knowledge*. It is provided to the students so that they are capable of implementing the subjects practically. Keeping that in mind, Narula Institute of Technology has organised **Industrial Collaborative Webinars** to overcome the crisis caused by COVID-19.

Industry Experts who conducted this Industrial Collaboration are *Mr Rahul Bose* from IBM, Kolkata, *Mr Mrinal K.Barman*, from Ex-Executive Director(P&A) Steel Authority of India, Bhilai Steel Plant, *Dr Sacchchidananda Sarkar*, MBBS, DPH, FETP(WHO), MBA, Former Public Health Director, Govt. of West Bengal, Presently associated with Peerless Hospital.

ALUMNI MEET

Total number of alumni meet : 6

Even in this pandemic situation, Narula Institute of Technology has taken the initiative of the long-established tradition to stay in touch with their ex-students. So besides Digital classes, Webinars and other activities, different departments of Narula Institute Of Technology had organized **RENDEZVOUS WITH ALUMNI** - to go down the memory lane and look forward to new interactions with new hopes. Due to the epidemic situation, the alumni were not able to be back on the campus again. But they were thrilled to interact with some old friends and make many new ones.



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ALUMNI WEBINAR

Total number of alumni webinar : 21

Our Alumni play multiple roles in society. Now, in this pandemic condition, our Alumni are involved in motivating, educating our students by sharing their knowledge. They are taking the initiative to conduct different kinds of Webinar. Till date, many webinars are being conducted by them.

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WEBINAR ON
Internet Of Things: The Uber Connected World

Organized by
Department of CSE
In association with
Alumni Association of NIT

Mr. Rahul Dutta
Director,
Technology Consulting
Pricewaterhouse Coopers Private Limited,
and
Alumni, Batch of 2005, CSE, NIT.

Date: 12th and 15th April, 2020
Time: 12 NOON – 1 PM

Coordinators
Prof. Jayanta Pal
Prof. Sagarika Chowdhury

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WEBINAR ON
"EXPLORE THE POWER OF MIND USING BRAIN-COMPUTER INTERFACE"

Organized by:
Department of EE
Narula Institute of Technology
For 1st to 4th year EE students

Date: 29th of April, 2020
Time: 05:00 pm to 06:30 pm
For registration click the link below:
<https://forms.gle/18sp5UkFzF81xg7Z>

Mr. Arnab Rakshit
CSIR Direct Senior Research
Fellow
Alumni, NIT-EE (2008-2012)

Coordinators
Dr. Nabamita Banerjee Roy
Prof. Amlan Chakrabarti
Mr. Ar Kendu Mitra

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ALUMNI INITIATIVE

WEBINAR ON
OOPS WITH JAVA

Organized by
Department of
Computer Application
In association with
Alumni Association of NIT

Mr. Rohan Chaudhuri
Alumni, Batch of 2013, MCA, NIT.

Date: 20th April, 2020
Time: 4:00 PM – 5:00 PM

Coordinators
Prof. Rupa Saha
Prof. Debrupa Pal
Prof. Subhasree Bhattacharjee

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INTERNSHIP

Total number of students registered for internship : 374

At an internship, a student can practice and improve their industry skills while also learning how to work. Students can gain a better understanding of how what they are learning in college can help them with their future. Surprisingly, during this Lockdown period, a lot of students got registered for Online Internship mostly via Internshala –an internship partner of AICTE. They will also be remunerated monthly for their work. Even in the month of April 2020, many got an offer letter from the different industry for Online Internship. This will give the students an exclusive experience of Work from Home culture.



NPTEL Online Courses

Besides Digital Classes conducted by the college faculties, students have also registered for *online courses in NPTEL, approved by AICTE*. They are increasing the *knowledge* through NPTEL *videos and lectures*, then *testing* them with *assignments and quizzes*. And all these students are thriving under the guidance of our Faculty Members.

Student	Correct	Incorrect	Unattempted	Average Time	% Marks	Total Time	Percentage	Marks
Adarsh Saha	30	0	0	41 seconds	100.00%	20 mins 29 seconds	71	30.00
ANURUDDHA SHHA	30	0	0	37 seconds	100.00%	18 mins 21 seconds	71	30.00
SATISH KUMAR MALU	30	0	0	43 seconds	100.00%	21 mins 31 seconds	71	30.00
ROHANKISHANS	30	0	0	24 seconds	100.00%	17 mins 6 seconds	71	30.00
Akshay Chandra Chakrabarti	30	0	0	52 seconds	100.00%	25 mins 47 seconds	71	30.00
Ashish Dhar	30	0	0	30 seconds	100.00%	14 mins 45 seconds	71	30.00
Ashita Pal	30	0	0	46 seconds	100.00%	22 mins 46 seconds	71	30.00
SUHAL DAS	30	0	0	43 seconds	100.00%	21 mins 44 seconds	71	30.00
LOKESH HOY	30	0	0	45 seconds	100.00%	22 mins 44 seconds	71	30.00
Debanjali Palen	30	0	0	56 seconds	100.00%	28 mins 2 seconds	71	30.00
Sreya Choudhury	30	0	0	32 seconds	100.00%	16 mins 5 seconds	71	30.00
Debjyoti Saha	30	0	0	57 seconds	100.00%	28 mins 16 seconds	71	30.00
SUOPRA DAS	30	0	0	37 seconds	100.00%	18 mins 21 seconds	71	30.00

ONLINE TEST

Total number of online test organized :506

Beside regular assignments, Faculty Members of all the departments of NiT have conducted *online tests* on various digital platforms like *Whiteboard of MyPerfectice, Google Forms, FlexiQuiz* etc. This helps both Faculty Members and students to keep track of students progress report.



HACKATHON and MHRD IIC ACTIVITY

Total number of students participated in Hackathon :86

Under the *circumstances and outbreak* caused by COVID-19 virus, Narula Institute Of Technology has organised **CONQUER COVID-19 HACKATHON**, digitally.

This gives a **platform** to present *innovative ideas/prototypes* that can help us *fight against COVID-19* and *take precautions to secure our future*. So many ideas have come forward till now.

SIH 2020 results were declared and two teams are into the Grand Finale of Smart India Hackathon 2020.

➤ Team “DataPirate” lead by Ruparna Mukherjee student of IT Dept has been selected in software category for the grand finale of SIH 2020.

➤ Team “Irrigatasur” lead by Swagata Dasgupta, student of ECE Dept has been selected in the hardware category for the grand finale of SIH 2020.

MHRD IIC section of NiT organised the online conquer covid 19 hackathon online from 15th - 17th April 2020.

Participants from outside like Jammu and Kashmir, Arunachal Pradesh also presented the idea.

Only five teams have been shortlisted for this problem from all over India amongst 150 teams. This is the first instance of a team from NIT winning at the prestigious Smart India Hackathon. Team DataPirate members - Arpita Dutta, Suraj Singh, Ankush Banerjee, Shibam Biswas, and Rohan lal keshri under their leader Ruparna Mukherjee of IT department submitted an idea proposal against a Problem Statement of Bajaj FinServ which is stated as "Lab report digitization using OCR" under Software Category for the Smart India Hackathon (SIH) 2020



The winners of the conquer COVID hackathon are:

➤ 1st Prize: Low Cost Fully Automated & IOT based Bag Valve Mask

1.Tanmoy Munshi, ECE 3RD Year
2.Swagata Dasgupta, , ECE 3RD Year
3.Indranil Jana, ECE 3RD Year
4.Sandipan Seal, ECE 3RD Year

Dr. Anilesh Dey. Faculty ECE

➤ 2nd Prize: SELF SANITIZING POD

1.Sougata Sikader, CE, 2nd year
2.Subhradip Sengupta, CE, 2nd year
3.Santu Ghosh, CE, 2nd year
4.Souvik Roy, CE 2nd year
5.Dishani Samaddar, CE 2nd year

➤ 3rd Prize: Design of an automatic contact less delivery drone

1.Ratul Saha, EIE 2nd year
2.Raktim Pratihar EIE, 4th year
3.Sourab Ghosh, EIE 2nd year
4.Debmalya Sadhukhan, EIE 3rd year

➤ MHRD IIC committee members is coordinating the MHRD e-sessions in the college. The e-sessions started from 28th April 2020 and will continue upto 15th May 2020. The sessions are being attended by students and faculty.

➤ Students were encouraged to participate in the different covid 19 hackathons. Mr. Arnab Nag of ECE dept and his team got selected for his idea SELF SANITISING GLOVES in the top 5 in the FIGHT CORONA IDEATHON organized by MHRD on March 27, 2020.

NiT NEWSLETTER

APRIL 2020



Soumyadeep Ghosh, MCA 3rd year has secured all India 2nd rank in TCS Xplore Weekly Hackathon (Java) on Leaderboard held on 2nd April,2020 . He has got job offer from Accenture (Full stack Engineer), TCS and INFOSYS.

INNOVATION BULLETIN

Subham Chakraborty from BCA, has created a Corona Virus Tracker Application and named it as Covid Visualizer. In this app we can see the widespread and increasing numbers of the COVID-19 Patients country wise. We can even search for our Country and check specific data of a country. I have also added its relative symptoms and precautions. I have also added the State Wise Helpline Numbers of our Country which may help the users to call to helpline numbers if necessary.



Tanmoy Karmakar, a final year CSE student of Narula Institute of Technology, has created "AirCommand Technology", Future Human-Machine AR Interaction system. This is hygiene and human-computer interactive systems. This is useful for deaf and dumb peoples, those who use sign languages so-called gestures to communicate.



Now, they can easily control any systems using Gestures. No need to touch keyboards, Mouse and screens. One can just use hand-gestures to control systems. So, Break the Chain & maintain your hygiene, be safe from COVID19

NiT congratulates Sagnik Kar studying in 4th year of Information Technology(IT) department at Narula Institute of Technology for enrolling and successfully completing the course "COVID-19:



Operational Planning Guidelines and COVID-19 Partners Platform to support country Preparedness and Response" and getting a Record of Achievement from the World Health Organisation(WHO).

A three member team from our very own IT Dept here at NIT, recently won the Innovative Project Competition organized by CII/MSME. This eminent competition was fiercely contested by teams from all across the nation. The team included Anirban Karmakar, Tathagata Pal and Ujjwal Ghosh. Their project was titled as Assistive Technology for Blind People. This innovative team came up with an incredibly advanced tool which they aptly named the 'Smart Walking Stick'. It is a significant upgrade on the age-old walking stick. congratulations to the whole team, their mentors and their departmental figures. We hope to see the 'Smart Walking Stick in the wild soon.



We are happy to inform that Sumit Kumar Singh, a final year CSE student of Narula Institute of Technology has created an Android application:- "Covid-Aid" to help you know about all the latest information related to Covid 19. This app shows a clear result about the infected and recovered patient of Corona virus across the world. This application also shows news regarding the Corona virus from authentic sources. One can also get to know the different practices adapted by our Institute during this quarantine time through this App.



"INNOVATION WINGS" under the leadership of Arnab Nag, student of 2nd year of ECE department of Narula Institute of Technology participated in the online HACKATHON #hackthecrisis with his prototype for sanitized gloves organized by MHRD and the Government of India and getting selected for the final round of presentation. They competed with 4000 teams and selected among the top 15 teams for the final round



ONLINE WORKSHOPS & WEBINAR

NIT + ISOEH + JIS

To Beat The LOCKDOWN, Narula Institute of Technology & ISOEH are jointly bringing to you

FREE ONLINE WORKSHOP
On the following topic

7th April, 2020
Date: 7th April, 2020
Time: 2:30PM to 4:30PM

Ethical Hacking and Penetration Testing with Kali LINUX

Classes will be conducted by ISOEH faculties who are certified: OSCP, OSCP, CEH, ECSS, LPT, CHFI

Register Here <https://forms.gle/USf1phijjW3qDnZFA>

College Coordinator Contact: Dr. B K Mehta - Mobile: 9830160783, Mr. Jayanta Pal - Mobile: 9831686279
ISOEH Contact: Mr. Sampal Mukherjee - Mobile: 9903767814, Mr. Jayanta Pal - Mobile: 9831686279, WhatsApp: 9830310550

FREE ONLINE WORKSHOP
for BCA Students

Organized by Department of Computer Application of Narula Institute of Technology on 1st April, 2020

Machine Learning Using PYTHON
Time: 10am - 11:30am

PHP & MYSQL
Time: 11am - 12:30pm

JAVA
Time: 2:30pm - 4:00pm

PYTHON
Time: 2:30pm - 4:00pm

#Techstasy

5 DAYS WORKSHOP ON "A SERIES ON EXCEL QUICK START TUTORIAL"

Interactive Session With Prof. Jayanta Pal HOD, Dept. of CSE

Date: 22nd - 26th April, 2020
Time: 5 PM - 6 PM

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Application of Artificial Intelligence in Telecom...

Chanchal Chakraborty

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WEBINAR ON
Role of modelling in development of engineering science

Organized by Department of ME Narula Institute of Technology

Date: 20th of April, 2020
Time: 3:00 PM to 4:30 PM

Dr. Subhas Ganguly
Assistant Professor
NIT, Raipur

Coordinators: Dr. Sumit Chabri, Dr. Bikash Panja, Mr. Bhola Guha

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WEBINAR SESSION WITH

Dr. Vaskar Raychoudhury
Associate Professor,
Dept of Computer Science and Software Engineering,
Miami University

Organized by The Department of CSE

Date: 15th of April, 2020
Time: 7 PM

Coordinators: Prof. Subram Das, Prof. Shubendu Banerjee

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WEBINAR ON
How to deal with Psychological & Employment hurdles during Lockdown

Organized by Department of ECE Narula Institute of Technology

Date: 17th of April, 2020
Time: 4 pm

Mr. Animesh Santra
Manager in Project Coordination
L&T Construction

Coordinators: Dr. Saradindu Panda, Mrs. Anjita Barman Santra, Mr. Kaushik Sarkar

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WEBINAR ON
Application of AI in Telecom

Organized by Department of ECE Narula Institute of Technology

Date: 10th of April, 2020
Time: 11.00 am to 1.00 pm

Mr. Chanchal Chakraborty
Vice President, Network
Reliance Jio

Coordinators: Dr. Saradindu Panda, Mr. Kaushik Sarkar

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WEBINAR SESSION
LIVE PROJECT DEMONSTRATION ON CLOUD WITH

Dr. Sajal Saha
Dean- School of Computing Sciences and Research,
Westergang University

Organized by The Department of EIE
<https://bit.ly/3aNR8mU>

Date: 2nd May, 2020
Time: 4 PM

PUBLICATIONS

Total number of publications : 26

Publication with student ME dept.

1. Goutam Roy , Shoaib Raza, Md. Jabir, Abhishek Kumar, Adnan,” Study of the effects of crack in statically loaded structural element with the aid of piezoelectric sensor” in National Journal, ISSN 2277-1654, 8th April 2020.

Publication with student ECE dept.

1. Pranab Hazra, Sagnik Bhattacharya, Lokesh Roy, Sudipta das, “WSN And It’s Application In Agriculture And Pollution Control Using QualNet”, National Conference Proceedings, March 2020, ISSN/ISBN No. 978-93-89817-19-5
2. Pranab Hazra, Krisnendu Ghosh; Pratiti Debsharma; Soumashis Das; Soumendu Biswas, “Significance of Remote Sensing in Healthcare Monitoring.”, International journal of Engineering and Advance Technology, April 2020, ISSN/ISBN No. 2249-8958 (Online)
3. Moupali Roy, Sayantani Nayek, Swagata Ghosal, “A Review Study on: Indian Railway Network Safety, Anti-collision System”, IOTWR 2020, Conference, March 2020

Faculty Publication ECE dept.

1. Pranab Hazra, “Studies on Schumann Resonance Phenomena and some Recent Advancements” ,Geomagnetism and Aeronomy, Springer journal, March 2020, impact factor: 0.669
2. Pranab Hazra, “Significance of Remote Sensing in Healthcare Monitoring.” Intrenational journal of Engineering, Blue Eyes Intelligence Engineering & Sciences Publication (BEIESP), impact factor: 6.02, 30th April’2020
3. Sandhya Pattanayak, “A GENETICALLY TRAINED NEURAL NETWORK FOR PREDICTION OF PATH LOSS IN OUTDOOR MICROCELL”, IJARET, April 2020, impact factor: 10.221
4. Swati Barui, “Object grasping classification using K-Nearest Neighbour for enhance dexterity of robotic arm”, International Journal of Control & Automation, Accepted on 17th April,2020
5. Arnima Das, “Strained Engineered Induced Mobility P + IN + Photodiode - A Novel Opto-sensor For Bio-Medical Application”, Advances in Medical Physics and Health Engineering 2020, Accepted on 13thMarch,2020
6. Arnima Das, “Design and Analysis of Ka Band Micro-strip Patch Antenna for Bio-Medical Accelerators”, Advances in Medical Physics and Health Engineering 2020, Accepted on 15thMarch,2020
7. Arpita Barman Santra, “Strained Engineered Induced Mobility P + IN + Photodiode - A Novel Opto-sensor For Bio-Medical Application”, Advances in Medical Physics and Health Engineering 2020, Accepted on 13th March,2020
8. Arpita Barman Santra, “Design and Analysis of Ka Band Micro-strip Patch Antenna for Bio-Medical Accelerators”, Advances in Medical Physics and Health Engineering 2020, Accepted on 13th March,2020

Publication with student EIE dept.

1. Dibyendu Sur, Jasmine Firdaus, “A Study on ionospheric response to CIR induced geomagnetic storms”, URSI General Assembly, 2020, Rome, Italy (accepted on April 7, 2020), Peer Reviewed.
2. Dibyendu Sur, Jasmine Firdaus, Raktima Dutta, “The Dynamics of Earth's Ionosphere”, Inter University Academic Meet, March 15, 2020, ISBN No. 978-93-5396-819-9, Peer Reviewed.
3. Dibyendu Sur, Jasmine Firdaus, Annasha Purohit, Raktima Dutta, Deblina Mitra, Kunal Majumder, “IoT based fuel level monitoring and fuel theft detection system”, Inter University Academic Meet, March 15, 2020, ISBN No. 978-93-5396-819-9, DOI: 10.36375/prepare_u.a89, Peer Reviewed.
4. Dibyendu Sur, Jasmine Firdaus, Annasha Purohit, Raktima Dutta, Deblina Mitra, Kunal Majumder, “Use Of ECG/ EOG/ EEG for the Purpose of Health Monitoring of Partially or Fully Paralyzed Patient and to Communicate with the Patient in Case of an Emergency”, Inter University Academic Meet, March 15, 2020, ISBN No. 978-93-5396-819-9, DOI: 10.36375/prepare_u.a87, Peer Reviewed.
5. Dibyendu Sur, Sanjukta Podder, Nishita Paik, Sashwati Rang, Debarpita Bhowmik, Debduitta Bhowmik, “An Innovative Water Supply System”, Inter University Academic Meet, March 15, 2020, ISBN No. 978-93-5396-819-9, DOI: 10.36375/prepare_u.a90, Peer Reviewed.
6. Susmita Das, Soutrik Karmakar, Shyam Sundar Banerjee, Aniket Chakraborty, Tirtharaj Sarkar, Trisha Paul, Chaitali Bhattacharyya, “Secured Remote Control Room Using Biometric System”, International Journal, Published on 7th April 2020, ISSN/ISBN No. 2321-9653, Peer reviewed, impact factor 7.129
7. Susmita Das, Abhishek Das, Aditya Khare, Ambalika Gupta, Soumya Dipta Boral, International Journal, Published on 10th April 2020, ISSN/ISBN No. 2395-0056, Peer reviewed, impact factor 7.529
8. Susmita Das, Trisha Paul, Chaitali Bhattacharyya, Payosmi Sen, Riya Prasad, Suraj Shaw, “Human Emotion Recognition using GSR and EEG”, International Journal, Published on 4th May 2020, ISSN/ISBN No. 2250-3153, Peer reviewed, impact factor 6.14
9. Susmita Das, Arijit Dutta, Arka Chanda, Sujay Chandra Das, Kushal Das, Aritra Dwibedi, Arnava Bose, “Self-Balancing Multipurpose Quadcopter for Surveillance System”, International Journal, Published on 5th May 2020, ISSN/ISBN No. 2321-9653, Peer reviewed, impact factor 7.429
10. Susmita Das, Abhishek Das, Aditya Khare, Ambalika Gupta, Soumi Roy, Soumya Dipta Boral, “Multi- Directional Automatic Solar Tracker”, Inter University Academic Meet, March 15, 2020, ISBN No. 978-93-5396-819-9, Peer Reviewed.

Faculty Publication EIE dept.

1. Dibyendu Sur Ashik Paul, Haris Haralambous, “Multi-wavelength coordinated observations of ionospheric irregularity structures from an anomaly crest location during unusual solar minimum of the 24th cycle”, Advances in Space Research, Volume 65, Issue 5, Page 1402-1413, Impact factor: 1.746, SCI Indexed Journal, March 2020.
2. Dibyendu Sur, Ashik Paul, “Morphology of Ionospheric Cycle Slips from Conjugate Polar Regions”, URSI General Assembly 2020, Italy (accepted), Peer Reviewed, 6th April'2020
3. Susmita Das, “System Stability Performance Analysis on An Artificial Lower Limb”, Springer Lecture note

Publication with student CA dept

1. Subhasree Bhattacharjee, Swarna Saha, “LEAST FIRST SORT”, Accepted in International conference IOTWR2020 in March'2020

NIT NEWSLETTER

APRIL 2020

NSS ACTIVITY

MASK DISTRIBUTION

Students have taken initiative to protect them and society against COVID-19. They prepared 3 layer reusable masks at home and distribute the masks within their locality as part of their NSS activities. We feel proud for their social activities. Some of the pictures of their home made masks are attached.



Food packet distribution to poor and needy

COMMUNITY CONNECT



CULTURAL ACTIVITY

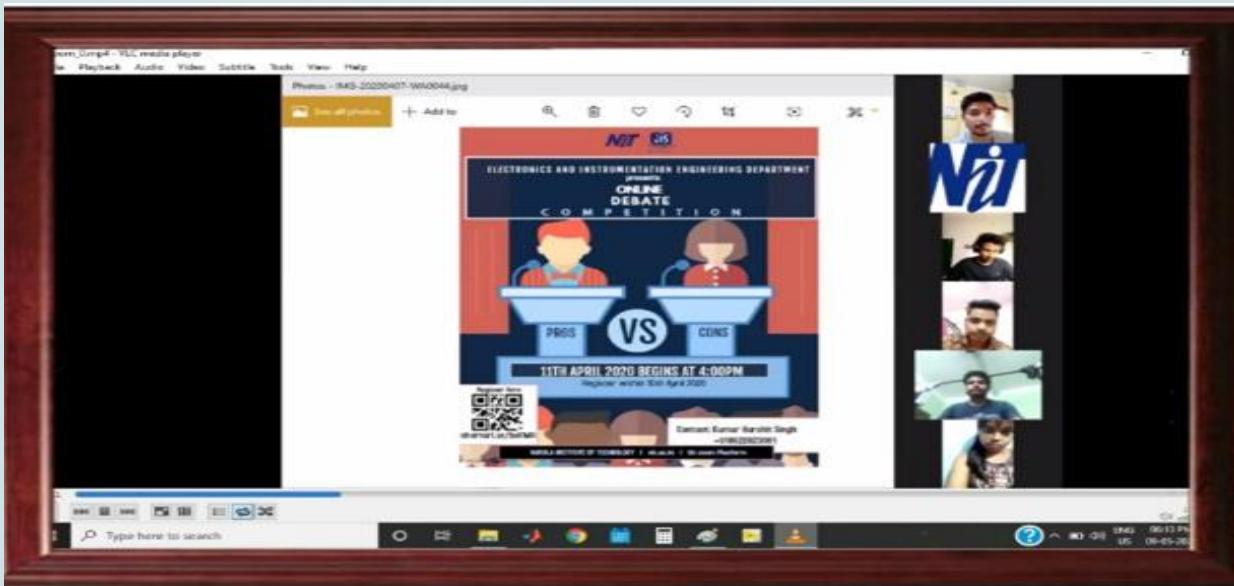


QUIZ AND DEBATE

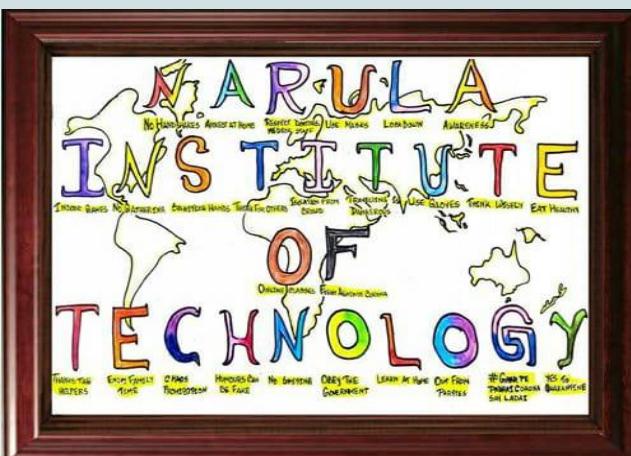
A quiz is an easy way to keep track of progress from both perspectives of students and teachers. Throughout this lockdown period, teachers of all departments from our college organised quizzes on different topics. These quizzes are taken on various **digital platforms** like *Whiteboard of MyPerfectice, Google Classroom* etc.

Teachers are constantly trying to engage their students in a unique and fun way. Thus, debates are also organised to help students improve their critical thinking skills, helps sharpen communication skills, to think out of the box.

Always remember, *"You learn more from the person who disagrees with you than from the one who agrees."*



CREATIVE CORNER



CREATIVE CORNER

স্যানিটাইজার এর আত্মকথা

জানিনা হঠাৎ করে,
প্রত্যেক দোকানে দরে দরে!
রাখছে সাজিয়ে আমায়--
কিনছেন লোকে বেশি দামে,
কাড়াকাড়ি করছে বড়!
বুঝলাম না হঠাৎ করে
আমার এত দরকার কেন হল?
রেডিও-টিভিতে --
আমার শুধু বিজ্ঞাপন!
লোকে এখন দিনে রাতে,
মাথছে হাতে আমায় সারাফণ!
আমার মধ্যে থাকা
অ্যালকোহলের মাত্রা বড় বিবেচ্য,
কেন! হঠাৎ কি যে হলো?
বুঝতে পারছিলাম না কোন কিছুই---
হঠাৎ করে আমাকে নিয়ে,
কালোবাজারি চালু হলো!
যারা আমাকে আগে কেনে নি;
বোরেনি আমার মর্মা!
লকডাউন এরপর আমায় না পেয়ে --
তারাই বড় নিরাশ হলো!
পরিস্থিতির করুন চাপে সবাই যখন অসহায়,
আমার ওপর ভরসা রেখে হচ্ছে তারা সহায়;
উপদেশ বার্তায় যেন আমার বড়ই নাম!
আমাকে হাতিয়ার করে, মানুষ চালাচ্ছে
"জীবন সংগ্রাম”!

:- Ashmita Majumdar
(CSE 3 rd Yr)

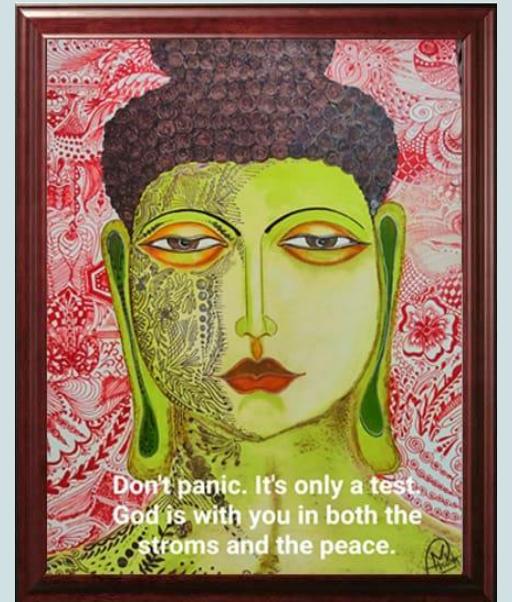
“দুনিয়া কা অকেলাপন”

আজ लगता है जैसे दुनिया तन्हाई में है,
चीजें इतनी खराब हो चुकी है, की अब डर इन्सान को इन्सान की
परछाईं से है।
सडकें सुनी है, पहियों पे घुमने वाले ना जाने कहा गुम से हैं,
स्कूल की बेंच, वो चायां की दुकान , मॉल्स, ऑफिस, वो पार्टी वाले
आसियानें कहीं गुम सूम हैं ।
विकास की रेस में कुछ ज्यादा ही तेज भागने लगे थे,
चैन की नींद की जगह बेचैनी की रातों में जागने लगे थे।
होश तब आया जब हमने लोगो को खोना शुरू कर दिया,
जिंदगी जो की एक सफ़ेद कपड़े की तरह होनी चाहिए हमने उसे
खुन से भिगोना शुरू कर दिया ।
बहोतो ने अपनी जिंदगी गँवाई है , उन सब के लिये बोहोत बुरा
लगता है,
हर एक डॉक्टर को हर एक उस इंसान को सैल्यूट है जो हमारी
केयर के लिए रात भर जागता है ।
घबराहट से हल नहीं आयेगा।
याद रखिए की अफवाहें फैलाने से , माहौल और भी खराब
होजयेगा।
घर पे रहे , हाथों को बार बार धोएं, सरकारी आदेशों का पालन करें
क्यूंकी हमें सब को और खुद को सुरक्षित रखना है,
आज लड़ाई एक वायरस से है,
जंग हमारी है इसे क्वारेंटाइन और लॉकडाउन से जितना है।

Digital Education

--Subhasree Bhattacharjee
(Assistant Professor, Dept.of CA)

Digital education is the solution
NIT is outstanding in innovation.
Be safe do not roam
Learning will reach at home.
"Ghar se padai
Corona se ladai"
is the slogan
need to share
Consciousness is in the air.
Google classroom,electa,Zoom
We all are in classroom .
Innovation and research
builds next generation
That makes us powerful
Knowledge felicitation.
Learning is continuous,
never should be stopped
Positivity in our mind
Determination will be gropped.
Almighty is powerful,
Shower blessings on us
We build nation, we are the
guides.



GUARDIAN FEEDBACK

#Parents'Corner

NIT Promotes Digital Education
#GharPePadhaiCoronaSayLadai



“ We highly appreciate the initiative of NARULA INSTITUTE OF TECHNOLOGY for the e-classes being conducted on the curriculum so that the valued time under this inevitable quarantine condition is not wasted but utilised properly. We sincerely thank you all, EIE FACULTY and NARULA INSTITUTE OF TECHNOLOGY for your sincere initiative.
STAY HOME , BE SAFE. ”

Smt. Baisakhi Dutta
Guardian

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#Parents'Corner

NIT Promotes Digital Education
#GharPePadhaiCoronaSayLadai



“ Well, the way NIT faculties are meticulously and carefully guiding and teaching the students via digital classes and assignments, students are happened to be engaged in studies in this lockdown period and getting the induction of work from home ! Kudos to NIT Management for this admirable effort !! ”

Shri Himadri Dey
Guardian

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#Parents'Corner

NIT Promotes Digital Education
#GharPePadhaiCoronaSayLadai



“ Now a days, Corona virus is a miserable current affairs all over in the world. Since central government and state governments has declared lock down, our kids are supposed to stay at home for unlimited time not only that they are unable to go to college also. So, in this situation we are grateful to the professor s and head of the department of NIT for a on line teaching system. Hope our kids they will be benefitted for the digital study course, before final examination. ”

Shri Saugata Chowdhury
Guardian

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#GharPePadhaiCoronaSayLadai



“ I highly appreciate NARULA INSTITUTE OF TECHNOLOGY initiative for conducting digital online classes. As a mother I am very happy for this initiative. It is like to see that vacation is not wasted. ”

Sharmila Roy Chowdhury
Guardian

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ALUMNI SPEAKS

NIT Promotes Digital Education
#GharPePadhaiCoronaSayLadai

ALUMNI'S CORNER

“ I Shri Suvadip Roy, an alumni of the electronics and communication engineering department of NIT and presently working as a Scientific Officer E in the Atomic Energy Regulatory Board, Department of Atomic Energy is very much enthralled to see NIT use digital teaching platforms for keeping up to date with the university curriculum amidst this disturbing dark phase of COVID 19 pandemic that has engulfed the world and brought it into a standstill. The situation outside is very tense and students and faculties of the institute have to stay at home during the lockdown period. During such a unplanned situation which in my opinion is first of a kind global event, the classes and interaction of the students with the faculties is taking place via online digital platform like CANVAS, ZOOM VIDEO, GOOGLE CLASS ROOM, WHAT'S App etc. This is a very innovative technique and reminds me of NPTEL lectures (although they were pre-recorded) which we used to refer during our BTECH days. I think this is the best that can be done to keep the students in touch with the subjects and is the best solution amidst this situation where majority of the private and government organizations including ours are assigning work from home assignments. I hope students can extract the maximum benefits out of it. I would like to wish the faculties and students of NIT good health and prosperity during this challenging situation and praise this effort of NIT in bringing education at the rooms of students via the use of various digital platforms. ”



Mr. Suvadip Roy
Scientific Officer E,
ATOMIC ENERGY REGULATORY BOARD,
Distinguished Alumnus, NIT

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#GharPePadhaiCoronaSayLadai

ALUMNI SPEAKS

“ The global novel virus is the extraordinary shock to our everyday and is already reorienting our relationships to the entire world, which is bringing down the economy of the entire world and other industries especially the schools, colleges, and universities are shut down across the globe where students are terrified because their future is questionable, also feeling low and demoralized as their studies are suffering due to unbalanced syllabus. But every moment of crisis opens new doors of opportunities and strategies to us, so the CA Department of Narula Institute of Technology has come up with digital virtual classroom sessions for their students. The teachers are doing a great job with the distinctive use of e-learning and teaching in undertake remotely via Google classroom, Zoom, and other digital platforms, which is inspiring and motivating the students to stay strong and helping to fight with their anxiety. Our new formidable enemy COVID-19 couldn't get in the way of our student's future because the teachers of Narula Institute of Technology of all departments are working hard ensuring there's no harm bringing to the education system and students are not worrying about their studies or syllabus. A big shout out to NIT and CA department for taking such great initiative among students' life career is safe and secured. I am proud to be a NIT alumnus where I was once a part of the CA department guided educated by awesome teachers. We will all get through this hard time together. ”



Gangotri Ghosh
Alumna CA-2017
System Engineer, Infosys Ltd.

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NIT Promotes Digital Education
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ALUMNI SPEAKS

“ It is very difficult time for world due to out break of COVID-19. Every sector of economy is struck badly. As well as student life is in dark. Worldwide institutions are taking digital measures to consolidate the loss of learning days. Here in India some Institution started taking digital measures by using video conference apps. Narula Institute of Technology and it's Electrical Engineering department take initiative by teaching students through digital class room facilities. They encourage more and more students to participate in digital interactive sessions. So that students become less depressed about their syllabus as well as practical experiences. I am very much glad to see the dedication of teachers and lab personals who remain in lockdown and think about students and betterment of their studies. This shows good infrastructure in academics in Narula Institute of Technology and as an industry personal I am very glad that our future is built up in this harsh environment also. ”



Mr. Kunal Pahari
Alumni EE-2006
Partner, S. K. ELECTRICALS Kolkata

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NIT NEWSLETTER

APRIL 2020

ABOUT US

Narula Institute of Technology is a leading autonomous Engineering & Management college, located at Agarpara near Kolkata under the aegis of JIS Group Educational Initiative since 2001.

It is approved by AICTE and affiliated to MAKAUT, formerly known as West Bengal University of Technology and has NBA accredited degree programmes in engineering. It boasts of the prestigious NIRF ranking among 150 selected institutes of India. It is also accredited by National Assessment and Accreditation Council (NAAC).

COURSES

Four years B.Tech degree is offered in the streams of -

- Computer Science Engineering
- Electronics and Communication Engineering
- Electrical Engineering
- Civil Engineering
- Information Technology
- Electronics and Instrumentation Engineering
- Mechanical Engineering

Full time, AICTE approved 3-year diploma courses are offered in-

- Civil Engineering
- Electrical Engineering
- Electronics & telecommunication Engineering

Two-year M.Tech degree is offered for the courses

- Computer Science Engineering
- Electronics and Communication Engineering
- Electrical Engineering- Power Systems
- Civil Engineering- Structural Engineering
- Bachelor in Computer Science
- Bachelors in Business Administration

Three-year degree courses in-

Two-year degree courses in -

- Masters of Computer Applications
- Masters of Business Administration



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