

NSUT TIMES

Edition 4.0 | August 2022



The
Alliance

— Bringing NSUT Together —



CONTENTS

**1 FROM THE DESK OF
THE VICE CHANCELLOR**
PROF. J. P. SAINI

**2 FROM THE DESK OF
PUBLIC RELATIONS
OFFICER**
ASTHA SINGH

**3 FROM THE
EDITORS' DESK**
THE ALLIANCE

**4 NSUT IN
THE NEWS**
BAANI YADAV

**5 SCHOLARSHIP
OPPORTUNITIES**
DEEPTI BURIYA

**6 COVID CARE
FACILITIES**
MANVI GUPTA

**7 WINDS OF NEWNESS
IN THE CAMPUS**
VYOM KAUSHIK

**9 INTERVIEW: DIRECTORS
EAST & WEST CAMPUS**
KRUTI JOSHI

11 YEAR IN REVIEW
ANOUSHKA GERA

13 PUBLICATIONS
DEEPTI BURIYA

**17 INTERVIEW:
RESEARCH
AT NSUT**
JOY MARY

19 ARTSPECTIVES
KRUTI JOSHI & SOUROBRATA DHAR

21 CONFESS-SINS
SAISHAA SOOD

**22 AWARDS &
ACHIEVEMENTS:
INDIVIDUAL**
ANOUSHKA GERA

**23 SOCIETY
ACHIEVEMENTS**
BHAGYASHREE DAS

27 ALUMNI DIARIES
NAMAN DHINGRA



FROM THE DESK OF THE VICE CHANCELLOR PROF. J.P. SAINI

The passing of yet another year, full of challenges, marks a year when the University has bettered itself by rising to each one. We evolve continually as we build new infrastructure on all three Campuses, enriching the students' experience through world class facilities and inviting, verdant environments. I am proud to say that the community of NSUT, its staff, administration, and of course, its students, have offered their best in these uncertain, dynamic times and have been prosperous for it.

With facilities such as the High Performance Computing & Artificial Intelligence Centre and initiatives such as NSUT's collaboration with NVIDIA during the GPU Technology Conference, we seek to enable our students to rise as innovators and leaders in the highly relevant fields of Artificial Intelligence and Machine Learning.

Both East and West Campus, under their accomplished Directors, have exceeded my expectations of deliverance. In our mission to broaden the horizons of our graduates and establish uniform standards of excellence for our university, we have been pushing the limits of what we offer in terms of industry-relevant courses, modern infrastructure, and recruitment of new and talented faculty.

I applaud the team behind NSUT Times for their exemplary efforts to provide a platform that serves to dissipate the university's ongoings and initiatives, passes on the wealth of knowledge that successful alumni can provide through their accounts, and showcases the creative expression of students. I wish them success for future editions.



FROM THE DESK OF PUBLIC RELATIONS OFFICER ASTHA SINGH

Netaji Subhas University of Technology is filled with pride to announce the fourth edition of NSUT Times, an initiative of The Alliance. During the past year, the university has opened up in more ways than one. With the campuses up for normal offline functioning, our burgeoning infrastructure has allowed us to offer NSUT's standards of excellence in education to a larger batch of passionate students than ever before.

The university has continued to grow and excel, in all areas of its functioning. With contemporary, industry-relevant academic courses, dynamic extra-curriculars, and impactful contributions by our faculty across disciplines, the university achieves greater heights every session.

We hope that this edition of the magazine can serve its purpose to provide a collective platform for the university's happenings. After the incredibly positive reception of the previous editions of NSUT Times, we are glad to finally share this edition with our readers.

After our university's commendable adaptability to the COVID-19 crisis, in the form of accessible online teaching and the initiative of the Covid Care Centre, we have been able to establish a new normal. Not only are all three campuses now functioning at their full offline capacities, but their domains and environments have been enhanced under capable leadership. We have always offered conditions that allow students to completely manifest their potentials as contributors to their fields and to society at large. Only through achieving their very best can our graduates fulfil their responsibilities of shouldering the coming times. As always, we are grateful for our readers who take an interest in the university's affairs and actively participate in the success of NSUT Times by affirming our mission.



FROM THE EDITORS' DESK

We are elated to launch the fourth edition of NSUT Times. The year 2021 has been a momentous year for all of us, having its fair share of being more indelible than the preceding year since the beginning of the Covid-19 Pandemic. The year began with a dangerous surge of daily Covid-19 cases during the second wave till a mass vaccination campaign across the country. We have stood strong through it all.

The Alliance has published 47 editions in more than a decade since its inception. We have worked on improving our content and designs over the years, making its editions more accessible in the age of smartphones and more relevant to the dynamic preferences of the audience. The NSUT Times, our recent undertaking, helps us bring together everything to a common platform that binds its students together. It continues to be transformed with improved designs and relatable content giving it a more aesthetic and amiable look. This has been possible due to the efforts of our motivated juniors and college authorities who have made remarkable contributions to the magazine.

We also are thrilled to initiate "Nested In NSUT", a podcast published on various streaming platforms, where we bring together the learnings and experiences of the alumni who now are experts in their fields.

Being reformed to a university in 2018, the academic institution has taken various steps to establish itself as one of the most reputed colleges of India. One of the notable endeavours include introduction of various industrially vital specialisation integrated programmes with the existing courses. This year, we got the opportunity to ascertain the opinions of the directors of the East and West campuses of the university, which are covered further in the edition. The incoming batch, the class of 2025, would soon occupy three campuses with world class infrastructure and a celebrated legacy. After all the academic pressures and uncertainty in recent months, it sure feels exciting to start a new adventure. We congratulate the newly inducted students and wish them the very best for their college life.

We would like to thank the readers for their interest and sincerely hope to meet all expectations. We also look forward to any feedback, comments, and criticisms so we can continue to evolve and improve content in our future editions.

NSUT IN THE NEWS

PHOTOGRAPH BY DIVY KANT

NEWS 18 APRIL 30, 2022

NSUT's New Multidisciplinary Courses Will Make Students Future-ready: LG

 THE TIMES OF INDIA MARCH 26, 2022

Netaji Subhas University Of Technology organises Moksha, a cultural fest

अमर उजाल MAY 04, 2022
डीटीयू और एनएसयूटी में मेडिकल की पढ़ाई संभव

NBT नवभारत टाइम्स MARCH 27, 2022

NSUT में लड़कियों के लिए 10% अतिरिक्त सीटें, इसी साल से शुरुआत, जेंडर बैलेंस के लिए उठाया कदम

NBA NATIONAL BOARD OF ACCREDITATION
PROMOTING INTERNATIONAL QUALITY STANDARDS FOR TECHNICAL EDUCATION IN INDIA

ENGINEERING TIER II (UNDER GRADUATE) ACCREDITED PROGRAMS

Name of the Institution	Program	Level	Accreditation Status	Accreditation Latest
NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY (New Delhi)	Biotechnology	Under Graduate	ACCREDITED	Academic Year 2021-22, 2022-23 and 2023-24, i.e. upto 30-06-2024.

MAY 20, 2022

 **जागरण**

गीले कूड़े से खाद बनाकर हरित परिसर को संवार रहा एनएसयूटी

SCHOLARSHIP OPPORTUNITIES

CHHATRA VITTIYA SAHAYTA EVAM PROTSAHAN KOSH (CVSPK) :

The rules to avail scholarship by the means of this scheme shall be applicable to every student seeking a degree from Netaji Subhas University of Technology, New Delhi. Benefits under the schemes in these rules shall be subject to availability of funds.

Part 1:

Part 1 of the scholarship will be applicable to meritorious students, which include 5 students from each department (including all branches) having a JEE (Main) rank up to 2000 along with 5 students having 98 percentile and above in the CAT examination, who are seeking admission in MBA as well as 2 students seeking admission to M.Tech course in NSUT and having a rank within top 1000. In addition to this, Final year undergraduate students securing a credible rank in GATE examination, students of the University who receive admission offers and join Masters/Ph.D. in any top 50 QS ranking universities of the world, and final year students of University admitted to top 5 NIRF ranking IIMs shall be awarded scholarships under the above category. Students securing commendable ranks in UPSC Civil Service Examination and all other Group-A examinations shall be rewarded scholarships. University students who join the defense services through CDS, AFCAT and so on and so forth can also avail this scholarship.

Part 2:

This part of the scholarship will be applicable in case of Financially Weaker Students (FWS). The University will fully or partially reimburse/waive off the university fee and tuition fee component out of the overall fee for that academic year of the students based on the gross annual family income of students from all sources.

Part 3:

These rules are applicable for fee reimbursement/waiver in case of death of an earning parent. Under the circumstance described earlier, the student should submit to the office of Dean Students welfare; a form, duly signed by the Head of the department along with the necessary documents within 90 days of death.

MERIT-CUM-SCHOLARSHIP FOR NEEDY STUDENTS PURSUING HIGHER EDUCATION :

The Deputy Chief Minister and Education Minister Mr Manish Sisodia announced the launch of the Delhi government's new merit cum means scholarship scheme/fee waiver for the students in need who would pursue higher studies in any of the State Universities of Delhi. This scheme was also extended to Netaji Subhas University of Technology when it became a State University.

CENTRAL SECTOR SCHEME NATIONAL MEANS-CUM-MERIT SCHOLARSHIP:

The objective of the Scheme is to provide financial assistance to the poor and meritorious students belonging to minority communities to enable them to pursue professional and technical courses. The scholarship is to be awarded for studies in India; in a Government or private institution, selected and notified in a transparent manner by the State Government/ Union Territory Administration concerned. It will cover technical and professional courses at undergraduate and postgraduate level.

AICTE POST GRADUATE (PG) SCHOLARSHIP :

AICTE, in order to ensure development of technical education in India, awards Post Graduate Scholarship of Rs. 12,400/- per month to full-time GATE/GPAT qualified students admitted to AICTE approved post graduate programs in AICTE approved Institutions/ University Departments as per the approved intake.

INDSAM HIGHER EDUCATION (HE) SCHOLARSHIP :

A scholarship of ₹ 5,000/- will be available per semester for a university student, subject to a satisfactory performance report from the applicant's institution. This scholarship would be conferred upon meritorious and economically weak students. The beneficiaries of the scholarship shall be selected from the applicants, by a committee composed of eminent personalities. A total of three students would be selected from the BBA/ MBA Course.

COVID CARE FACILITIES

Ever since its inception, NSUT has embraced challenging times with resilience, innovation and harnessed resources to confront these situations. From shifting to an online mode of education, setting up COVID care facilities to the re-opening of the three campuses, it would appear that the university has successfully endured the swift velocity of changes during the COVID outbreak.

Back in April 2021, just as the initial round of vaccines were being made available to the general population, the second wave of COVID-19 hit India like a tsunami. With the number of cases rising rapidly, the medical infrastructure on the campus and outside was unable to cope with the rise in cases. This unfortunate situation provided us with a glimpse into how the campus community, with the support of our alumni network, can come together as a single, cohesive unit. Here's a look at the containment measures that were adopted on campus in the run-up to the nationwide lockdown imposed to contain the alarming coronavirus outbreak.

An apex body was created on campus whose function was to anticipate and handle any upcoming fallouts arising from the pandemic. In April 2021, the university enhanced contact tracing efforts by testing the symptomatic people on campus. Hostels were vacated and isolation centers were set up for those who had tested positive. Seeing as the situation had worsened in the country, the government of the NCT of Delhi granted permission for setting up the COVID care center at our university with the support of third-party organizations ISKCON and ANON Global foundation. It was an effort to augment the number of ICU beds in the national capital as the city grappled with a shortage of oxygen and beds amid a surge in coronavirus cases. The COVID care facilities were established in Ramanujan Hostels with space for fifty beds each. In total 100 oxygen beds and 20 ICU beds were set up. An important service that was in peril was the oxygen cylinders thus the centers had oxygen concentrators of 5L and 10L capacity, high flow oxygen machines (HNFC), oxygen cylinders, BIPAP, and ICU monitors.

Fortuitously, ISKCON provided all the medical support and services including the services of doctors, nurses, care-takers, security guards, and medicines. It was ensured that those in isolation and quarantine received meals and other needed resources. The facilities catered to the medical requirements of NSUT faculty, staff, students, its alumni, and family members of all, along with the general public.

The total capital expenditures for the set-up were estimated at USD 600K and operating expenditures were estimated at USD 65 per bed per day. The alumni of the university came forward and donated generously - helping raise funds over INR 9 lakhs.

All the students of the university who suffered the loss of parent(s) due to COVID have been given fee waivers. Contactless sanitizer dispensers have been installed around the campus at various places. Since the reporting of the campuses of the university for the academic year of 2021-22, it has been ensured that there is strict adherence to COVID safety protocols with mandatory masking and physical distancing. Although the pandemic upended our lives, the university's efforts were a ray of hope for the distressed students and parents stuck in Covid-19.



WINDS OF NEWNESS IN THE CAMPUS

NSUT has undergone a plethora of changes over the past year, with infrastructural developments adding to the sheen of the university - bringing a new sense of freshness into the university's air. The university's main campus now plays host to several new spots, ranging from lecture halls equipped with cutting edge technology to a fitness park amidst the sprawling greenery in the campus to an art studio packed with ultra-modern technology. Here is a brief on some of the new places that have come up in the University's Main Campus.

DR. A.P.J. ABDUL KALAM LECTURE THEATRE COMPLEX

Inaugurated by the Hon'ble Deputy Chief Minister of Delhi, Sh. Manish Sisodia on the auspicious day of Netaji Jayanti in 2021, this complex was a landmark addition to the university infrastructure. Fondly called "APJ" by the students and the faculty alike, it has absolute cutting edge technology on display, boasting several facilities like the ones listed below, that any student would dream of to be present in a classroom.

- Personal Charging Points
- High-Speed WiFi
- Smart Classroom Tech
- Spacious Seating

Add to these the gleaming corridors and its proximity to the Student Centre, and that's the Dr A.P.J. Abdul Kalam Lecture Theatre Complex for you.



THE INDIAN FLAG

Located right in front of the iconic Admin Block and flanked by the famed nescii lawns, the 50-metre tall Indian flag now serves as the grand entrance to the main university blocks. Inaugurated by the Hon'ble Deputy Chief Minister of Delhi, Sh. Manish Sisodia, along with the APJ Complex on Netaji Jayanti in 2021, the Indian Flag also serves as a constant source of patriotism for everyone who visits the University Campus, making us all realise that we should at all moments be regarding our nation with the highest esteem.

SHAHEED ASHFAQULLAH KHAN FITNESS PARK

Named after the renowned freedom fighter and martyr who laid down his life in the struggle for Indian Independence, this Fitness Park is located just beside the Computer Engineering and Information Technology Block, facing the University Cricket Ground. With its visually pleasing natural beauty and occasional peacock shouts, along with the well-equipped open gym, this is the place to be for anyone looking forward to spending some time in the lap of nature.



22.10.2021

HIGH-PERFORMANCE COMPUTING & ARTIFICIAL INTELLIGENCE CENTRE

Created to aid the students in this cut-throat competitive world by providing them with state-of-the-art computer hardware and software, the High-Performance Computing & Artificial Intelligence Centre, located just behind the Main Campus Library, equipped with over 400 high-end computers, has been a cornerstone development that has helped the University Students keep up with the dynamic skill sets required in the constantly evolving technological world.

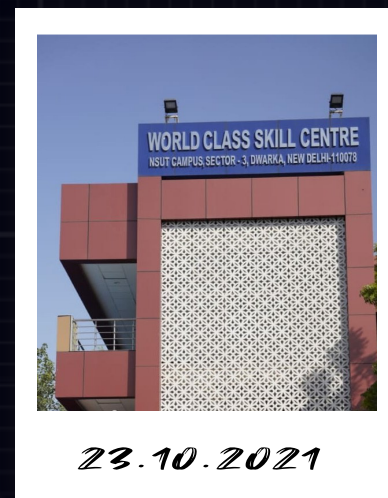


23.01.2021

WORLD CLASS SKILL CENTRE

A novel project to train students in skills that are in demand in the present times to get them ready to kick start their careers in various fields of their interests.

Located near the North Entrance of the University-Main Campus, the World Class Skill Centre was inaugurated by the Hon'ble Deputy Chief Minister of Delhi, Sh. Manish Sisodia on 23rd October 2021 to serve as a means of offering industry oriented quality learning to the masses through the University's channels.



23.10.2021



22.10.2021

STATE-OF-THE-ART STUDIO

A necessity in times when quality media offerings have become the norm. The State of the Art Studio, located in the Fashion Technology Block in the university, was inaugurated by Sh. Manish Sisodia, the Hon'ble Deputy Chief Minister of Delhi, in the august presence of Ms R. Alice Vaz, IAS and Prof. Jai Prakash Saini, the Hon'ble Vice-Chancellor of the University on 22nd October 2021. The Studio has added immense capability to the University's arsenal to deliver practical learning to the students in the field of fashion technology and also to deliver impactful content to the masses.



PROF. PRERNA GAUR
DIRECTOR, EAST CAMPUS

Kruti: The integration of the two campuses has been a huge decision, and overseeing one of them in these times is a huge responsibility. Can you throw some light on what your experience has been as the Director of East Campus and what challenges you faced?

Prerna Ma'am: Well, I was aware that these two campuses will be merged with NSUT way before 2nd December. I was in attendance for all the proceedings and it really was a big decision, integrating the two campuses with NSUT, because NSUT is a huge campus in itself with regards to the staff and students' strength, so it was an added responsibility. On 26th January 2020, I got to know I had been appointed as the Director of the East Campus, and it was a huge responsibility, provided I live in Dwarka, which lies around 30 to 35 kilometers from the premises of the East Campus. The honorable Vice Chancellor had faith in my ability to handle the commute and the added responsibility of a new campus. I had the added responsibility of managing Main Campus' Incubation Center and my responsibilities at the UGC and NBA (National Board of Accreditation). I joined on 1st February and made several crucial facilities available to the staff, for instance, connection to IMSNSIT, official Gmail IDs, and introduced Turnitin for plagiarism checking. Microsoft Office has been introduced to all the computers on the East Campus and has been made available to the faculty as well. I was made aware of the lack of a canteen and the dilapidated condition of the sports ground. So we inspected the premises and facilities and indented the sports facilities and we're going to introduce lecture halls, 2 computer centers with 230 computers. The canteen was supposed to open up prior to the lockdown, Mr. Kulwant Arora was contacted, and the necessary utensils and amenities were arranged, but the lockdown posed an obstacle. Regardless, the canteen will be functional soon. Health facilities have been arranged, two hospital beds have been ordered and a medical professional is to visit the campus two days a week. As for sports facilities, Dr. RS Rao handles the sports department and gym equipment has been ordered, and all the development will be taken care of by respective authorities. Monitoring systems for the sports ground and an irrigation system have been implemented. Materials for the formation of a new pitch like black soil and grass have been ordered.

Kruti: Apart from the developments you've planned for the East Campus, the onset of covid posed a lot of problems that you might've faced. Could you elaborate on what they were and how you overcame them?

Prerna Ma'am: The primary concern we had was with the availability of funds and fiduciary approvals, because there was some ambiguity with regards to where the funds would come from. After several meetings, it was decided that till 31st March, the funds would come from the previous university the college was a part of, and subsequently, NSUT would oversee the pecuniary undertakings for the East Campus. But when the time came for switching over, Corona happened, and there was just a general air of confusion regarding the payments and salaries as well. Unfortunately, I too contracted the virus and was sick for a while. Regardless, I tallied up the numbers and the payments that had to be done and gathered the required information regarding the methods of payment, so on and so forth.

Kruti: As you might be aware, with the new students joining the East Campus, there has been some uncertainty regarding placements, internships and the general working of societies. Can you throw some light on these matters?

Prerna Ma'am: The students have nothing to worry about. I'd say they should turn a blind eye to naysayers and not worry themselves with this stuff. All the facilities of Main Campus have been or shortly, will be, extended to the East Campus. As far as the society introduction goes, all 29 societies will be extended to the East Campus, in addition, students can form a team and approach the department heads of East Campus for assistance in introducing the society. For smooth functioning in the initial stages, they may also ask for an advance or a monetary grant for events. So there are really no issues or restrictions. Same goes for placements, there is no discrimination or any barring, the same opportunities have been or will be granted to the East Campus students, provided they put in efforts from their ends as well.

Kruti: Understood, ma'am. It is evident that the students that are going to come to the East Campus in future batches would be hearing the success stories of what their preceding batch did for them. Do you have any advice for the kids to come?

Prerna Ma'am: I advise the students to start working towards their goals from the get go and to not sit idle. To involve themselves in research, incubation centers and internships. I'd also advise them to talk to their faculty members, to make proper use of the facilities given to them, to use the vast expanse of books provided to them in their library, to learn new skills and to make themselves better in extracurricular aspects as well. Like I've told the students in Main Campus, these four years are going to be crucial for them and I'd ask them to not waste these years away. I had also conducted the DELCON '22 priorly, it was a great chance for researchers to know their peer group and for them to publish their findings, so I advise the students to keep in touch with their faculty members and to proactively chase such opportunities.

Kruti: In your role as the Director of the East Campus, I'm sure you must've had some revelations about yourself, some lessons you might've learned. Can you share any such experiences?

Prerna Ma'am: Well, first of all, you need to learn how to deal with fake news. When you hold the position of a Director in an institute, you receive a lot of input, about a multitude of things. It is extremely crucial to be judicious about what you take to be true, because it might have adverse impacts in the future. You also need to be cognizant of what news you choose to spread around, lest it cause someone harm. Overall, I'd say the experience has made me stronger, given me a broader view on things and has allowed me to receive and provide feedback.

Kruti: So, the integration of the two campuses has been a huge decision. Can you throw some light on what your experience has been as the Director of West Campus during this change?

Alok Sir: Before I was given charge of the NSUT West Campus in Jan 2021, it used to be a part of IP University. The campus area seemed small as compared to NSUT but it has undergone a lot of changes as well. There was contract faculty present so we had to work on hiring faculty. We had the students updated about all the activities taking place on the campus. It was challenging to deal with because we shifted to an online mode of education owing to the pandemic. A lot of new branches were introduced in the past year. The campus has developed a lot in the past year and students seem satisfied with it.

Kruti: With the expansion into two new campuses, many students have apprehensions regarding the campuses, from available infrastructure to placements and college societies. How have you dealt with these apprehensions?

Alok Sir: Placements in NSUT, Main Campus have been exceptional for many years, over twenty years. As I have already informed West Campus students, placements in West Campus will be synchronized with Main Campus rather than having separate placements. Facilities in West Campus are slowly coming up. We have already started developing many sports facilities, like a new cricket pitch, tennis court, and an open gym.

Kruti: Please tell us about your experience when you were first informed about your new position as Director, West Campus. How did you respond to the news? How has your perspective changed since then?

Alok Sir: On January 10, 2021, I received a call from the Hon'ble Vice Chancellor, who informed me that I'll be taking on as the Director of the West Campus. I believe my previous administrative experience played a major role in my selection. I have been a member secretary at AICTE for three years. Before that, I was the ICE branch head for 16 to 17 years in NSUT. It was difficult initially because this campus has industrial branches like mechanical and civil engineering which are different from my expertise, but I believe I have adapted well to the role. I am confident that I'll be able to handle any challenge that comes my way and take the campus and college's name to much greater heights in the country.



PROF. ALOK PRAKASH MITTAL
DIRECTOR, WEST CAMPUS

Kruti: A growing University such as NSUT is a place of many opportunities. What would you like to say to the students joining the institution under your leadership?

Alok Sir: Faculty and staff are there to support students. We have been consistently putting efforts to improve the accessibility of the college. We have also been working on starting a bus service between Najafgarh Metro Station and Campus as per students' demands. Presently, hostels are not available to students and are under construction. Students should focus on their studies as we assure them that they will be provided with all kinds of support.

University is for the students and of the students. They are the central stakeholders. They have to work hard to improve it. They shouldn't be disappointed with any difficulties that may arise and move forward. The faculty is always there to help and support the kids.

YEAR IN REVIEW

NSUTTHON

18TH JANUARY 2021 – 22ND JANUARY 2021

Organised by Crosslinks under Fresher's Week 2020, the event brought together every Society on campus in a suite of exciting events, inviting teams of freshers to compete and explore. Despite being a collection of online events, NSUTthon proved to be a breath of fresh air, a chance to indulge in competitive, creative camaraderie for freshers just stepping out of the sordid fumes of competitive examinations.

MOKSHA AND INNOVISION

18TH FEBRUARY 2021 – 20TH FEBRUARY 2021

The Annual Cultural Fest of NSUT returned after a hiatus of one year, albeit in online mode, with only a handful of events being organised in offline mode. Moksha proved to be a much-needed reprieve from the monotonous online classes and gave students a wonderful three days to let go and enjoy. Despite being in online mode, it saw enthusiastic participation from all the students which made the event a success.

CONSILIUM

APRIL 2021

This is the Annual Business Conclave of NSUT, organised by FES (Finance and Economics Society). Due to COVID restrictions, it was an online event. The event kicked off with a speaker session by Suresh Prabhu and Rachana Ranade. After the inauguration of the event by the speaker session, the rest of the six events (namely, Arohan, Maudrik, NSBC, Fintechstico, Kaizen and Shatranj) were evenly spread across the next two days.

INAUGURATION OF COVID CARE FACILITY

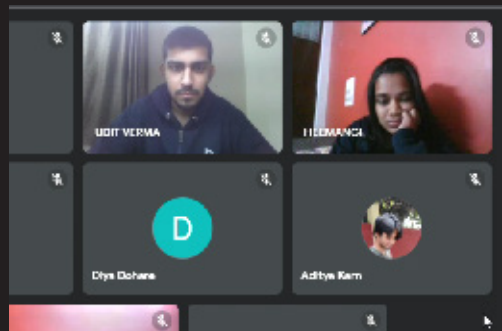
MAY 2021

During the second and worst wave of COVID, NSUT opened its doors and established a covid care facility for the students, staff, alumni and their families. At a time when people all over the world were facing incredibly challenging circumstances, the NSUT family stood together.

SPORTS WEEKEND

23RD NOVEMBER 2021 – 24TH NOVEMBER 2021

Organised by the Physical Education and Sports Department of NSUT, this two-day event had NSUTians showcasing the sportsperson in them and saw the participation of students in various sports events ranging from marathons, basketball, cricket, football, chess, table tennis and many more. The events instilled healthy competitiveness in students and proved to be a stress buster amidst a demanding semester. Each evening after the sports events, the students enjoyed DJ nights and danced to the beats of their favourite songs.



PHOTOGRAPHS BY JUNOON NSUT



ETHNIC DAY

1ST DECEMBER 2021

Organised by Junoon NSUT, it is the day when we celebrate our culture by donning our best ethnic clothing and dancing to the beats of the *dhol* and of course, clicking dozens of photographs. The students were ecstatic as they got to celebrate ethnic day after a two year gap, and the sounds of laughter and joy floating around in Nescii grounds were the highlight of the event.



BIOTECHNOLOGY – THE ROAD AHEAD

5TH JANUARY 2022 – 7TH JANUARY 2022

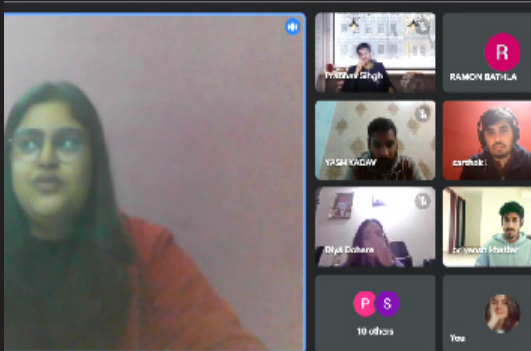
This was a three-day international symposium, jointly organised by the Department of Biological Sciences and Engineering, NSUT and Department of Biotechnology, DTU in collaboration with Biofootprints. The symposium had eminent speakers from prestigious institutions across the country and abroad. It was followed by a Bio-entrepreneurship competition that was enthusiastically received by students from all over the country. BTRA provided a platform for constructive discussions among faculty members, budding researchers, and resource persons in the field of Biotechnology.



NSUTTHON

JANUARY 2022

Similar to last year's NSUTthon, it gave the freshers an opportunity to interact with their peers in a fun and competitive environment. It served as an ice-breaker and gave the freshers a perfect opportunity to talk to their batchmates and make friends. In spite of being an online event, NSUTthon managed to bring the fuchhas out of their shells and make their first few days at college memorable.



AGASTYA

11TH MARCH 2022 – 13TH MARCH 2022

This was the first All Delhi Government Inter-University Sports Tournament organised by the NSUT Sports Committee. The event saw the participation of students from eight colleges under the Delhi government - NSUT, DTU, IGDTUW, GGSIPU, DSEU, IIITD, DPSRU and BRAC. The students competed against each other in various sports - Badminton, Basketball, Cricket, Football, Table Tennis, Chess, Volleyball and Kabbadi. The DJ night proved to be an event where the students of all colleges came together and enjoyed to the fullest, forgetting all rivalries amidst the melodies of their favourite songs.



MOKSHA AND INNOVISION

24TH MARCH 2022 – 26TH MARCH 2022

The offline rendition of the cultural fest of NSUT, was unarguably the most awaited event of the year. The theme of this year's Moksha was centered around 'post-zombie apocalypse' and the mystery surrounding it kept the students on their toes. It was a three-day fest with each day having exciting events organised by the various societies at our college. The event was graced by the presence of several renowned artists including the standup comics Biswa Kalyan Rath and Karunesh Talwar, the indie band When Chai Met Toast, the incredible DJ artists Swattrex and Lost Stories, and the late payback singer KK.



PHOTOGRAPHS BY JUNOON NSUT

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OM PRAKASH THAKUR

PROFESSOR, DEPARTMENT OF PHYSICS

On NSUT'S RESEARCH CULTURE

What are the primary reasons for which an individual should step into research and what goals according to you should research work fulfil?

If you talk about research, most of us are involved in theoretical research. Instead, we should be involved in innovative research, which would be useful for society, particularly in sectors like agriculture, irrigation, pollution, electricity, road safety. A search for technological solutions to problems faced by man, that in my opinion is research. Ultimately, the quality of work is significantly more important than the number of papers rolled out, that lose meaning as they pile up on each other in a public archive over time.

What are your topics of interest in research?

My research area pertains to Functional Materials (Bulk & Thin films) - Doped ferrites, Multiferroics, Ferroelectric & Ferromagnetic composites for environmentally friendly magnetoelectric devices, Multi-state Memory devices (MRAMs, FeRAMs, MEMS), Magnetoelectric sensors, transducers etc, Semiconductor heterostructures.

Could you please elaborate on the research and patent award ceremony that was held on 2nd March, 2022 at the University?

The Vice Chancellor has approved/initiated different schemes to distribute awards to motivate and encourage faculty members and student researchers, under the following conditions:

- If you have published a paper in a journal having an impact factor of 2 or more, you will get a commend-

able award of INR 50,000.

- If you have published a paper in an IEEE journal having an impact factor of 1 or more, you will get a commendable award of INR 1,00,000.
- If you have an Indian patent, you would be awarded INR 2,00,000.
- If you have a UK/US patent, you are in turn awarded INR 5,00,000.

Such was the composition of an excellence certificate and cash awards felicitated to different faculty members/researchers in order to energise, attract and retain good faculty members.

What is the composition of branches and programmes of study the students working with you come from? There is a common assumption that there's a higher composition of students from the Mechanical Dept or PhD students who work under you, as opposed to students from the Computer Science Dept, is it so?

No, it isn't like that. Whosoever feels like they have a calling towards research in physics are welcome to work with me in the lab. 7-8 SCIE papers have been published per annum for the last 8-10 years and the students are very much involved. Yet, largely I have PhD students working with me at the moment. A total of 17 students have been registered under my supervision to date.

Do you think more undergraduate students should be involved in research?

Currently, there is less involvement of meritorious brains in research work which is a major drawback of our system. We definitely require fresh, unbiased brains that can think in multiple directions to provide extraordinary solutions. How we make efforts to attract this pool of students towards research work is what is going to allow for progress.

A lot of people feel that to excel in the field of scientific research, one needs to be exceptional in Mathematics and Physics! Is this true?

No! What makes an individual a good researcher is 100% clarity over fundamentals. Classroom pedagogy needs to be revised to proceed beyond familiarisation and strengthen students' problem-solving skills. The teaching faculty must make the best use of available tools to help young minds grasp concepts at the base atomic level. I believe in interactive education and have always propagated the same among my students.

Sir, you're among the highest-rated professors on the satisfaction parameter by the students as reported in their feedback; you seem to have such a good bond with your students. How do you feel when your students do good, especially in research? How can students get motivated to do research in present times where there are job boards everywhere?

I'm extremely proud to see my students take up important projects in the field of physics. One of my students could publish 25 papers in SCIE listed journals over the course of his PhD, and was one among three to receive his degree this year under my tutelage.

As for motivation, grants have the potential to compete with the magnet of pay packages that students are running after these days. While NSUT has a coveted placement scenario, job satisfaction and work culture are much more important- which students who've just completed their undergrad often fail to understand the importance of. There must be provisions for providing high fellowship amounts.

What are the qualities you look for in a student when you are selecting someone for research under you? What is the process of selection of research projects? Do the students come up with the idea or is it stimulated by you?

Students should preferably be involved in relevant areas under the umbrella of what is going on, what's prominent and survey the requirements of industry and have a knowledge of the pre-existing market research paradigms. Moreover, they should accordingly possess a background of fundamentals based on research experience, so that they have a good idea of how to proceed with the undertaken project in the right direction. Our responsibility as faculty then is to support the researchers technically and discuss all ideas with an open mind.

What is the application process like for the same?

We advertise twice a year. Through the HOD, faculty members give out the no. of vacancies under them with a cap of students under each criterion of professorship which is as follows:

- 8 for Professor
- 6 for Asst. Professor 4 for Lecturer

It must be brought to light that the quality and number of applicants are thinning in the PhD system.

You have developed three laboratories, namely, a Materials Analysis & Research Lab for Research Scholars and two Physics laboratories for the Undergraduate Students. What sort of research work takes place in them? Are they for particular research areas in physics or are they general purpose labs?

Room no. 15 and 16 in the Physics block pertain to synthesis and characterisation related work respectively. Note that we have a good facility for synthesis work, but we face regular difficulties in carrying out characterisation work. I believe it is in the benefit of all to set up a central research facility consisting of an amalgamation of 4-5 universities, possibly. Similar to the advanced Computer Centre we have on our campus, we must seek to set up better equipment, devices and machinery from the State Government, together or in isolation.

What are some research projects you are currently working on?

Few of the recent faculty who joined in the past 1 year have been involved in intensive research work and are pursuing projects at several places. Currently, we are in the process of applying for different projects as well. Recently, I have applied for a project to DST i.e. The Department of Science and Technology, within the Ministry of Science and Technology in India for more than 3-4 Cr rupees. We're in the hopes of bagging the same project. In the past, the Department of Physics has been associated with various AICTE projects regarding the modernisation of labs, etc.

What would your message to the students of the university be, regarding the future of research at NSUT?

Inculcating the will to take up small projects under the 5-10L category, particularly in areas where communities struggle. To become good human beings who research to bring solutions for real world problems.

ARTSPECTIVES

My hands tremble measuring the
laboured breaths of an adolescent,
whose mother wails outside.
My pace falters as I contemplate
how to deliver the news that her son
wouldn't live to see another sunrise .
Teardrops trickle down my cheeks
as I document his name amongst
scores of deceased that will
feature tomorrow in the headlines .

Two minutes is all the time I have
to lament the young soul,
as another cry of 'I can't breathe'
is echoed by the entire ward.
Drunk with fatigue, my limbs have slackened
and my resolve is crumbling
as I make way through dozens
waiting in queues for some respite.
They eye me with hope but alas,they do not
know
that this cape,I haven't put on by choice.

Marching on asleep like a soldier at war,
yelling out and stumbling,
each slow dusk drowns me in
pools of mourning.
I hope the dawn alights me with enough zest
to save another kind soul.
The corridors that were once lit with gaiety
are now shrouded by a cloak of misery
as all of us stumble to find a flicker of light,
but there seems to be no end in sight.



BY KRUTI JOSHI

PHOTOGRAPH- PRAKASH CHOUDHARY

ARTSPECTIVES

Its an inexplicable void where you can
Unload your feelings and emotions.
It's a safe space,
And no one judges you.

Silence is talking through your eyes
before the other person breaks the ice;
it's awkward to others,
but it's pleasant to me.

Silence is when you are writing long texts
And hoping that the other person doesn't
come online then to reply,
the tranquility and bliss it brings is surreal.

Silence is when you are overthinking
And a whirlpool of ideas spring out of your minds:
Productive.

Silence is when you play your favourite playlist
And get into your zone,
carefree of the world outside.

Silence is when you are early to an online lecture
And only you and your professor are there:
Awkward.

Silence is when you walk up to the terrace in late night
And get mesmerised by stars;
Or you are soul searching on a Saturday afternoon,
watching clouds passing by and enjoying your chai:
Therapeutic.

Silence is when you are slowly twirling the pages of a novel
And just after the swoosh,
the smell of the pages hits you:
Enchanting.

Silence is when you have set a specific notification tone for her messages
And after a long day the euphonious chime,
lights up your mood:
Ecstatic



BY SOUROBRATA DHAR
ART- SHUBH ARORA

CONFESS-SINS

Saishaa SOOD

For every Patrick living under a rock who doesn't know what a confessions page is, allow me to explain. A confessions page is the ideal location for every introverted Romeo to go and share their deepest, darkest emotions. Professing your love or crush for someone on a platform like Instagram may seem cringe at first, but for all you know, it might just turn out to be wholesome and heart-warming instead.

Some people may see it as a sign of courage, of the surety of their feelings to be so public and open. However, this is exactly where consideration of our environment must come in. NSUT is not any old setting but instead an Indian engineering college, where you are more likely to see monkeys and peacocks vibing together rather than seeing an actual, breathing girl. NSUT confessions page is a perfect example of what happens when you combine a messed up gender ratio with the sense of entitlement that comes with being an Indian guy pursuing engineering.

Now a huge part of the issue that comes with a confession is that it is usually equated to a compliment. People think that having someone write a confession for you is the highest form of flattery one can get. However, the recipient's sentiments about the confession are rarely considered. People tend to get very elaborate and extensive about their feelings online, and the fact that most of the confessions are completely anonymous only urges people to be more profuse and unrestrained. But for the person receiving the confession, it can be lowkey scary to know that there is someone out there who has such deep emotions for you when you don't even know who they are. You don't know whether they are a friend you trust or just some random creep with stalker tendencies.

College is a period of huge transition, where everyone finally gets the freedom to explore their romantic sides. But, we need to acknowledge that a confessions page is NOT equivalent to romance. It has become an easy way out for people where they no longer have to be vulnerable about their feelings, where they no longer have to be courageous enough to actually confront their emotions and share them in a respectful manner.

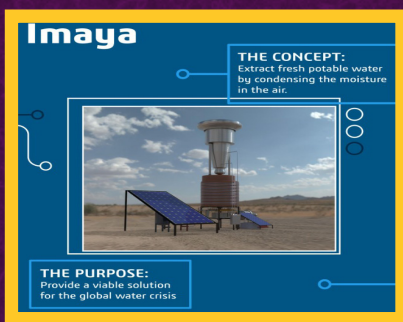
Instead of being a form of healthy self-expression, confessions get placed under the umbrella of memes where everything is considered a joke. The anonymity doesn't help; rather it takes away all accountability, all expectation for the confessor to be courteous. People get far too comfortable behind the protection of their screens, which is why these pages have become breeding grounds for hate speech and bigotry.

There are various confessions where people actively and openly bully others for their physical appearance. This is where anonymity again plays a quintessential role. Not only is it extremely hurtful to know that people have this perception of you, but it's worse knowing that you don't even know who they are. This just leads the victim down the dangerous, dark road of insecurity and self-doubt. Knowing all that we do about the confessions page, isn't it quite obvious that this unhealthy and toxic environment is in dire need of a re-evaluation, if not complete eradication?

AWARDS AND ACHIEVEMENTS: INDIVIDUAL

Shradha Gautam (M.Tech, Batch of 2023) bagged a spot in the **Indian Book of Records** in October 2021. She got felicitated for **creating eleven miniature (3 cm in height) Disney princesses made of clay**, which included Elsa, Jasmine, Snow White, Ariel and Rapunzel among others.

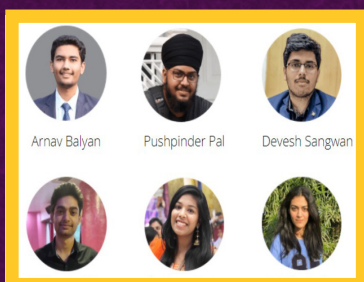
Piyush Sharma, Shikha Choudhary, Mayank Pandit participated as a team and won the international competition **Project of the Year 2021, Dassault Systems** in the sustainable category. They built a design depicting **"Air to purified Water"** as a sustainable model required for remote places in the world.



Hardik Chhabra, a first-year student, qualified for the final round of the **International Astronomy and Astrophysics Competition (IAAC)** amongst over 5000 participants from all over the world. **He was awarded the 'Gold Honour'** for his exemplary performance in the final round.

Mahak Garg (Batch of 2014), the **founder of Udayy**, was featured in the prestigious **Forbes' 30 under 30 Asia list**.

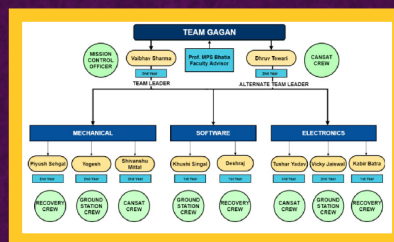
Team Trie Harders, consisting of **Arnav Balyan, Pushpinder Pal Singh, Devesh Sangwan, Shubhankar Rawat, Anshita Goel and Aditi Chawla**, won the **Smart India Hackathon 2020 (Hardware Edition)** and earned the prize money of Rs. 1 lakh. The problem statement **"Smart Building Energy Management System using Machine Learning"** (PR428) was efficiently solved by their idea, Smart Operator.



Ishant Dahiya, Mudit Khandelwal and Kshitij Vikram Singh participated as a team and bagged the **third position at the Aadhaar Hackathon** organized by the Unique Identification Authority of India. The hackathon saw a participation of 5000 students from all across the country. They were awarded prize money of Rs. 1 Lakh and were felicitated by **Shri Rajeev Chandrasekhar, Minister of State of Electronics & Information Technology, Skill Development and Entrepreneurship Government of India**

Two teams from NSUT gained laurels and performed remarkably in the CanSat competition 2021.

-**Team Garuda** secured the World Rank 1.
 -**Team GAGAN**, comprising of ten students from across different years and branches, secured World Rank 2. They secured 99.17% as their final score and have been recognised by foreign newspapers along with local ones. Members: **Vaibhav Sharma (Team leader), Dhruv Tewari (Alternate Team Leader), Kabir Batra, Shivanshu Mittal, Deshraj, Vicky Jaiswal, Tushar Yadav, Khushi Singal, Yogesh, Piyush Sehgal.**



Taranpreet Singh (NSIT's batch of 2018) was felicitated by IIT and IIM Indore for creating social innovations that would positively change the world. He was included by both the prestigious institutes in the **"30 under 30" list of exceptional entrepreneurs** to watch out for, for his startup SleepLabs. **His startup which is incubated at NASSCOM 10000 Startup Warehouse Program** was also selected to be a part of **Kazan QIC Forum 2021 in Russia.**

Mr Amit Lakhota (Batch of 2004) had the **honour of panelling the prestigious startup pitching and networking event** on the 13th of November at Aerocity, New Delhi.

The team comprising **Saksham Bansal, Vyomkesh Anche, and Nipun Jain** represented the University at the **ICPC - International Collegiate Programming Contest World Finals 2021** held in Moscow, Russia. They secured the 71st position worldwide and their team was among the top 10 teams in India.

Namit Khurana (B.E. MPAE, Batch of 2022) was **ranked second in the coveted list of Forbes Dare2Compete Leaders 2021** in the category E-Schools in the Dare2Compete (D2C) Awards 2021 which was held on 7th April 2021. His name was featured in the 'Top 100 Competitive Leaders' of 2021, which included students from both E-Schools and B-Schools. **He was also among the winners of Economic Times Campus Coding Stars 4.0, 2021.** He was the **winner of Startup Series (4/10) Quiz Competition** organized by Start4U, on the 12th February 2021, **Feb Fiesta 2.0 Quiz** organized by RGVUAN, on the 21st February 2021 and the **Sustainable Development Goals (SDG) 12 Quiz** organized by Ecochirp Foundation, on the 21st February 2021.

The team comprising **Divyanshu Kumar, Naman Singh, Shubh Gupta and Varin Anand** won the **Best First Time Hack in Hackviolet 2021**, an international hackathon hosted by the Association for Women in Computing at Virginia Tech. It saw the participation of more than 150 teams across 33 countries around the world.

Several students from NSUT cleared GSOC 2021. The following is the list of students who managed to accomplish this feat:

- Maanas Talwar** - SCoRe Lab
- Akash Dhiman** - Zulip
- Himanshu Garg** - MIT App Inventor
- Pushpinder Pal** - Video LAN

Ritvik Bansal was selected as the **winner of the IEEE Region 10 Young Professionals REVOL 2021 Program.** The program aimed to bring a revolution in recognizing volunteers across all the sections of IEEE Region 10. He was also recognised as the IEEE R10 YP ambassador from the Delhi sections for his exceptional performance in academic and professional life and his contribution as a volunteer for IEEE.

Team Alpha, consisting of **Dr Gaurav Singal, Dr Geetanjali, Kartikey Chauhan, Shaurya Shrivastava and Ambey Vibhute** was selected amongst the top 10 teams in the first round of the **DSCI Privacy Application Challenge 2021.**

Upside Down Labs founded by **Deepak Khatri, NSIT Batch of 2016** won **Rs.100,000** in the HST grand challenge **hosted by IIT Mandi** in the field of Human-Computer Interface project designs.

SOCIETY ACHIEVEMENTS

International Organization of Software Developers (IOSD) NSUT

- Launched '**NSUTx**', a cross-platform app developed by the App Development team. Integration with IMS allows students to access all of the basic student information such as results, circulars, attendance, to-do lists, semester wise syllabi, and more.
- '**NESCI**', a blogging platform developed by the Web Development and Machine Learning teams. It aims to bring the student community closer by allowing them to author blogs across a wide variety of topics.
- Hosted '**Code Unknown**', an online coding contest for 1st and 2nd years with a prize pool of Rs.10,000.
- Conducted '**InnovateNSUT**', a week-long hackathon where participants had to develop solutions to real world problems within a stipulated time period.
- Organized '**Juniors Danga**' & '**Danga 2.0**', two online coding competitions on the HackerRank platform for junior members.

ARES Robotics

- Qualified for the finals of the **University Rover Challenge (URC) 2021**, as one of the top 36 teams worldwide.
- Secured a position in the top ten teams worldwide and second position among Indian teams for the **European Rover Challenge (ERC) 2021**.
- Qualified for the on-site competition of **International Rover Challenge (IRC) 2022**.



NSS NSUT Cell

- NSS Netrutva Award to Dr Praveen Saroha for showing exemplary leadership during community service.
- NSS Yuva Yodha Award to Mr Anuj for his seamless execution & selfless service towards the community.
- Planted more than 200 saplings in the University adopted villages—Nanakheri and Badusarai.
- Set up a Vaccination Help Desk to help with vaccination registrations and provided help in the form of sharing a COVID Help Database of available ambulances, medicines, oxygen etc.
- Organized Yoga Sessions to celebrate the International Day of Yoga from 14th June to 21st June 2021 which involved more than 5000+ participants.
- Conducted Voters' Drive along with the District Election Office - South West Delhi across two villages—Nanak Heri and Raghapur.



FES

- Ruchit Choudhary and Harsh Prakash bagged the first position in the 'Freestyle Trading' event organized by E-Cell, St. Xavier's College, Mumbai.
- Ruchit Choudhary was part of the winning team in the 'Fin-Utsav' event, a National Case Study Competition organized as a part of the annual festival 'Sparx'21' by IMI Bhubaneswar.

The Debating Society of NSUT

- **Model United Nations Achievements:**

Stockholm MUN

Aditya Khulbe- Best Delegate
Rishabh Raj-Outstanding Resolution
Somya, Vinamra-Outstanding Delegate
Shashank, Harsh, Parth-Honorable Mentions

AMIMUN'21

Kartikeya Rai-Special Mention
T. Sai Ganesh-Best Reporter

JDMC

Parth Rohatgi-Verbal Mention

Symbiosis MUN

Yash Bishnoi-Best Delegate
Shubham-Special Mention 1
Neel Taneja-Special Mention 1
Kruti Joshi-Special Mention 2
Samarth Arora-Special Mention 2

DelTech MUN

Shyamal Jain-Honorable Mention
Manan Suri-Honorable Mention
Somya Chauhan-Honorable Mention
Aditya Khulbe-Honorable Mention
Saumay Dudeja-Honorable Mention

Confero Model UN Conference

Rishabh Raj-Special Mention 1
Rachit Gupta-Special Mention 3

Ramjas MUN | Best Delegation

Shourya-High Commendation
Prajeet Katari-Best Delegate
Rishabh Raj-Special Mention
Yash-Special Mention
Somya Chauhan-Special Mention
Harsh Kumar-Special Mention

IITD MUN

Prithesh Dwivedi-Honorable Mention

Thapar MUN | Best Delegation

Charchit Goel-High Commendation
Arjun Singh-Special Mention 1
Prithesh Dwivedi-Special Mention 2
Siddant Shrivastava-Special Mention

Quintessence ADGTM | Best Delegation

Piyush Sharma-Best Delegate
Rachit Gupta-High Commendation
Charchit Goel-High commendation
Siddhant Shrivastava-Special Mention
Shyamal Jain-Special Mention

GLC MUN

Rishabh Raj-Verbal Mention
Vinamra Harkar- Verbal Mention

PECMUN

Neel Taneja-Best Delegate
Shashank Mishra-Special Mention
Honorable Mention-Rishabh Raj

ARSD MUN

Neel Taneja-High Commendation
Piyush Sharma-High Commendation
Siddhant Shrivastava-Special Mention
Yash Mudgil-Special Mention

AMI MUN 22

Aditya Khulbe-Best Delegate
Shashank Mishra-High Commendation
Yash Mudgil-Honorable Mention

- **Parliamentary Breaks:**

Team Breaks

Avil Goel, Ishan Chourasia, and Kanav Dwevedi - DTU PD'21
Arpan Moitra, Kanav Dwevedi, and Rahul Sharma-Axiom PD'21.
Avil Goel, Pragati Kumar, and Rahul Sharma-Alfaaz Open'21.
Arjun Singh, Ananya Gupta, and Pranav Sharma-NIT-DGP PD.
Shourya Vivek Mittal and Yash Bishnoi-RPMD-BP.
Manan Suri, Kruti Joshi, and Stubh Lal-Rahat APD.
Niharika Upadhayay and Khushi-NUO-BP.
Shourya Vivek Mittal and Stubh Lal-Pearl BP.
Niharika Upadhayay, Stubh Lal and Saumay Dudeja-AUD PD.
Kruti Joshi and Arpan Moitra-DTU PD.

Adjudication Breaks

Arpan Moitra - IITD PD'21
Anubhav Singh - KIIT PD.
Rahul Sharma - SRDF'21.
Nandni Srivastava and Arpan Moitra - NIT-DGP PD.
Kanav Dwevedi- People Speak'21.
Rahul Sharma - Pearl PD'21.
Palaash Goel- Premchand PD.
Kruti Joshi and Stubh Lal- DNLU PD'21.
Arpit Verma - Pearl BP.

- **General Debating:**

Sheyans Jain - Best Speaker - SGBT Khalsa
T. Sai Ganesh and Kartikeya Rai - Trenchant (Maitreyi)
Ananya Gupta - Best Speaker- Kamala Nehru College
Shreyans Jain - Second Best Speaker - Kamala Nehru College
Parth and Saumya Dudeja - Second Best Team - Shivaji College
Manan Suri - Best Interjector - Shivaji College

Capella

- Conducted Mudra, Capella's annual solo thematic dance competition, which saw participation of colleges from all over the Delhi Dance Circuit.

Venatus

- Organized **Gamers Changing Lives 2.0** in collaboration with Shatranj, from 14th to 16th May '21, raising funds to help families suffering the most during lockdown. As a result, a fund of Rs. 6,290 was collected and donated to Covid Care and Health Center, NSUT.
- Organized **PSYTRIX** in collaboration with Synergy - The Sports Society of IGDTUW in October '21.
- Organized our flagship event **AimBot** in the month of February during Innovision-Moksha '21.

Tatsam

- Akash Midha won the 1st position in an Elocution competition organized by DSW, NSUT during the vigilance awareness week 2021.
- Organized an **Open Mic** where participants were free to express their thoughts via poems, tales or Shayari.
- Organized **Brahamastra**, a mythological quiz.
- Organized an online conventional debate competition-**Nirvaak**.
- Organized **Jigyasa**-Hindi literature-based online quiz on the occasion of Hindi Diwas.



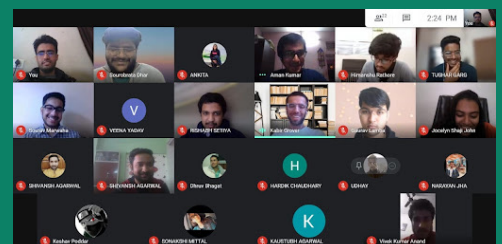
Subhasha

- SAHITYAM - 2nd April 2021- 3rd April 2021**
Sahityam- The Literary Fest of NSUT was organized by Subhasha to give a platform to budding writers and speakers, and to highlight the importance of literature and art in our lives. The events Weeb-O-Mania 2.0, Alfaaz, Speaker Session, Byond the Blog, Memegasm and Conspiracy Room took place over two days.
- The Illuminati - 31st January 2021**
The event was conducted by the conspiracy department of Subhasha. It was an open event in which members of the conspiracy team presented their theories on "The Illuminati", and tried to find political angles in the conspiracy.
- Conducted a Heritage Walk for Humayun's Tomb to explore distinguished heritage sites around the local region.



Aagaz

- Shivansh Agarwal was the winner of Poetry Slam, Literacy Vibe 21'
- Dipesh Kumar Gulati published the anthology- 'The Battle of Words'
- Sanyam Aggarwal published in the following anthologies as a co-author:
 - Jashn-e-kalam
 - Today and tomorrow
 - Jashn-e-Zindagi
- Conducted Alfaaz, an enthralling annual poetic fiesta, is our flagship event conducted during Moksha - The Cultural Fest of NSUT.
- Conducted Dreamer's Lane, two-day event, which included a workshop on Hindi and English poetry on the first day followed by an open-mic event on the second day.



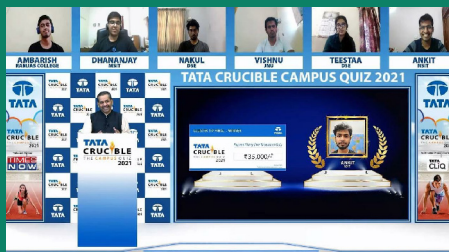
Ashwamedh - The Dramatics Society of NSUT

- Performed at the following competitions held by various institutions:
 - RANGMANCH: 'A Short Film Competition' (27th February 2021)
 - IIT DELHI: 'The Parody Making Competition' (18th April 2021)
 - DSEC: Jashan- E -Sukhan: 'The Poetry Competition' (21st April 2021)
 - DSEC: 'News Letter Anchor' (21st April 2021)
 - DDUC: 'Monoact Competition' (27th April 2021)
 - INDIA FILM PROJECT (IFP): 'A 50 HRS. FILM MAKING' (4th October 2021)
 - LSB COLLEGE: 'Monoact- Mai Banunga Actor' (15th January 2022)
- Ashwamedh performed its annual street production 'KAB TAK 44' at the following competitions:
 - IIT BOMBAY: 'Moodl- Prelims (NukKad Natak)' (27th December 2021)
 - IIT KGP: 'Spring Fest- Prelims (NukKad Natak)' (11th January 2022)
- Organized 'KAB TAK 44', our annual production which was aimed at spreading awareness in the society regarding the cons and limitations of 'ARTICLE 44' and implementation of 'Uniform Civil Code' being the need of the hour.
- Performed a street play called 'Hal' in association with 'Prasuk Organics' at various co-operative housing societies, which played a pivotal role in spreading awareness regarding 'Organic Farming'.
- We have also conducted various Competitions . Following is the list of competitions conducted:
 - NSUTTHON - 'Mismatch' (19th January 2021)
 - MOKSHA- 'Soch' (A Monoacting Event) (19th February 2021)
 - NSUTTHON- 'What Do You Meme' (17th January 2022)



The NSUT Quiz Club

- Ankit Jain - **Top 6 and Delhi Champion, Tata Crucibles 2021**
- Aniket Verma - **Delhi Cluster Finalist (Top 12 in Delhi), Tata Crucibles 2021**
- Shaurya Aryan - **2nd in ChemQuiz, Amity University**
- Aaryan Raj Sardar - **1st in Economics Quiz, LSR**
- Aryan Prakash and Rohan Khandelwal - **Top 6 in the Unmaad Showdown 2021, IIM Bangalore**
- Kartikeya Rai - **Winner in IGDTU MELA quiz**
- Kartikeya Rai - **Winner-Rajdhani College Quest quiz fest**
- Aaryan Raj Sardar - **2nd in Zakir Hussain MELA quiz, 2021**
- Aaryan Raj Sardar - **1st in Zakir Hussain General Quiz, 2021**
- Aryan Prakash and Shaurya Pratap Aryan - **Top 6 in The NSFW Quiz, The Q Gala 2.0, Quizadilla**
- Naman Jain - **3rd position, The Yin Yang Quiz (Gen Quiz), Deshbandhu College**



Clitch-The Fashion Society of NSUT

- Charvi Bhatia bagged the first position for the competition Alluring Dazzlers, organised by Vivekanand College, Delhi University.



LOHIT MALIK

MPAE, BATCH OF 2021 (PRINCETON UNIVERSITY)

tance letter.

Could you elaborate on your experience at each of your research internships and how they affected your career? How should the students interested in pursuing research discover such opportunities?

To start with, could you tell us how your entire journey panned out, right from entering NSIT and eventually making it to Princeton?

Right from my school days I have always felt an inclination towards automobiles. In the counseling after JEE, I took MPAE because I wanted my branch to be as close to mechanical engineering as possible. It turned out to be an excellent choice as the coursework was in alignment with my interests. I was keen on pursuing higher studies right from the very beginning, the only question was which degree to pursue, a masters degree or a PhD. Thus, I decided to try my hand at research and undertook multiple internships, all of which contributed significantly to where I am today.

Most PhD programs have their deadlines around the seventh semester. So from my sixth semester, I started working on my application. I took the GRE and the TOEFL and spent nearly two months on my Statement of Purpose (SOP), during which I made countless edits and reached out to my seniors and teachers for their guidance. The application takes a lot of time, so I'd recommend anyone who's planning to apply abroad should start as early as possible.

Back in December when I received an email from Princeton asking me to schedule an interview. I had never given an interview before this, so I prepared for it extremely well. I read about all the professors who were supposed to be on the panel and in late February, I received my accep-

In physics, optics and interference intrigued me a lot. So, I thought, why not work more on this. I started contacting professors working in the same field and got an unofficial internship offer from the Aix-Marseille University in France. There, I worked on the use of lasers to create holograms. I came up with an idea to analytically control the quality of a hologram, which was the basis of my first research paper. This internship made it crystal clear that research was my calling and I had to pursue it further. In my second year, I again started looking for research opportunities. In the meanwhile, I was also learning softwares like MATLAB and Solidworks which are prerequisites for such internships. This time I got an offer from the Universite de Lorraine. My work in this internship was super challenging, but I worked really hard and came up with solutions that I am proud of to date.

What role has NSIT played in accomplishing your research-oriented goals?

I think coursework was very pertinent to my interest. Paying attention in classes helped me a lot, contrary to the common presumption that it is sufficient to study just before the tests. As for the research internships, I worked under Dr. Abhishek Tewatia, whose guidance helped me throughout my 4 years. I used to have weekly meetings with him and his PhD students to discuss the results we produced in the lab. Professors in NSIT are very helpful and if you reach out to them, they would surely be willing to help and

What are the requisites of a PhD application and how significant are each of them in affecting the outcome of your application?

So, I think an application mainly consists of three components.

First, your test scores such as the GRE and the TOEFL. I used to believe that this is the most critical part of the application, but it turned out to be a fallacy. It is just a standardised test that cannot judge whether you are suitable for a PhD or not.

Second, the Statement of Purpose and the Letter of Recommendation. In my view point, this is the most significant component of your entire application. They are a narrative of your story, your areas of interest, prior experiences and skill set which helps universities evaluate you as a candidate. In my SOP, I mentioned how as a young boy, I used to unscrew the RC toy cars and examine them. The axles in these cars used to be very rigid, so I would use discarded pen refills as shock absorbers; things like these make your application stand out. Whatever you have written in your SOP should be reflected in your LORs too. For example, if you were working on a topic and were not getting the desired results but kept trying and got at least some output - things like these on your LOR can really improve your odds.

The third component is your CGPA. If your overall grade is low, make sure that at least the subjects relevant to your field of study have a high grade.

After you complete your PhD, what do you see yourself doing?

Whatever I end up doing, it will surely be research-oriented. If I go into academia, I would love to be a faculty at a university. If I go into the industry, I wish to work in the R&D section. A third option is a startup, of which I do not have much knowledge. Many PhD students develop good ideas

that turn into promising startups. However, I need to explore this path a bit more.

What would your advice be for your juniors?

These four years of your college will never return irrespective of whether you go for a PhD or a job, so cherish the memories you make but at the same time do not be lax with your CGPA. Work towards your career goals and personal life.

As for the research-related advice, if you feel curious about any topic, find a professor working on it and they will surely guide you. You might be able to come up with a new idea. After that, everything falls into its place.

THE TEAM



ASTHA SINGH
PUBLIC RELATIONS OFFICER



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BHAGYASHREE DAS
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DEEPTI BURIYA
JOURNALIST



JOY MARY
JOURNALIST



KRUTI JOSHI
JOURNALIST



MANVI GUPTA
JOURNALIST



NAMAN DHINGRA
JOURNALIST



VYOM KAUSHIK
JOURNALIST



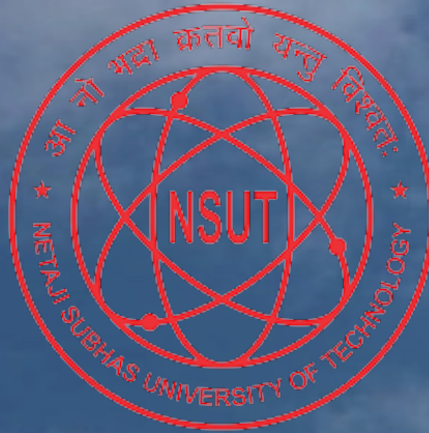
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