



**Annual Report**  
**NIIT University, 2023-2024**

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## **1. Introduction**

NIIT University (NU) was established and formally recognized by the Government of Rajasthan under Act No. 5 of 2010, dated April 3, 2010. The University is committed to fostering societal advancement by achieving the highest international standards of excellence in education, learning, and research. With a steadfast dedication to shaping successful careers for its students, NU emphasizes strong industry linkages, promotes a research-driven environment, and delivers seamless education through the integration of cutting-edge technology.

## **2. VISION**

To be the role model of learning, research, innovation and sustainability, for the knowledge society

## **3. MISSION**

- To deliver distinctive education through the pioneering use of technology.
- To develop superior talent through partnerships with industry and society.
- To promote research, discovery and entrepreneurship through collaborative action.
- To build responsible citizens of the world, by instilling a culture of seamlessness in all facets of life.

#### **4. THIRTEENTH CONVOCATION**

The 13th Convocation Ceremony of NU was held on October 7, 2023. The esteemed Chief Guest for the occasion was Professor Dinesh Singh, a Padma Shri awardee, Chancellor of K.R. Mangalam University, and former Vice-Chancellor of the University of Delhi.

Degrees were conferred upon the following students:

Bachelor of Technology: 150 students

Master of Technology: 64 students

Master of Business Administration (Integrated): 28 students

Master of Science (Integrated) in Computer Science: 5 students

Doctor of Philosophy: 6 students

The prestigious Dr. Karan Singh Gold Medal for outstanding academic performance was awarded to:

1. Aditya Choudhari - Bachelor of Technology (2019–2023)
2. Abhishek Verma- Master of Technology (January 2021–2023)
3. Aparna Rohatgi- Master of Technology (January 2021–2023)
4. Shreyas Raj Biswal - Master of Technology (January 2021–2023)
5. Banawalikar Aditi Prasad - Master of Business Administration (Integrated) (2019–2023)
6. Chaitanya Chaudhry - Master of Science (Integrated) (2019–2023)

In addition, the Ram Rajindra Malhotra Medal for exemplary all-round performance was conferred upon Mr. Bishnoi Anil Hapuram (Master of Business Administration (Integrated) 2019–2023).

#### **5. Annual Lecture 2023**

NIIT University celebrated its much-awaited 15th Annual Lecture on November 26, 2023. The campus was abuzz with enthusiastic students, academicians, and eminent dignitaries. The Annual Lecture is a yearly tradition which started with Dr Karan Singh's first ever lecture on November 15, 2009.

The 15th Annual Lecture was delivered by Mr. Viswanathan Anand, the esteemed World Chess Champion on the topic titled "Shaping a Beautiful Mind," Mr. Anand shared invaluable insights on the virtues of mental resilience and the significance of continuous learning. His eloquent discourse resonated deeply with the attendees, leaving them both inspired and contemplative.

The occasion was also graced by Mr. Chandra Bhushan, one of India's foremost Public Policy experts and the President & CEO of the International Forum for Environment, Sustainability & Technology (iFOREST). He was awarded an Honorary Doctorate for his contribution in the field.

## 6. Distinguished Lecture Series

### Distinguished/ Founding Professor Lecture Series

S.No.	Date	Name of the speakers	Name of the company/Institute/University	Topics covered
1	Thursday, October 19, 2023	Prof. Chetan Singh Solanki	Professor at IIT Bombay Founder of Energy Swaraj Foundation Brand Ambassador of Solar Energy for Madhya Pradesh Also referred as "Solar Man of India" or "Solar Gandhi"	6 Point Understanding of Climate Change and Corrective Actions
2	Tuesday, November 07, 2023	Mr. Neeraj Agarwal	CEO, Ruralshores Skills Academy Pvt ltd	Professional ethics and values
3	Wednesday, March 20, 2024	Mr. Krishan Kumar Jalan	Former IAS Officer, Haryana Cadre	Micro and Small Enterprises: Role of Government and opportunities available

### Invited talks for the Management Area:

Name of the Activity	Date	Mode (Online/Offline)	Speaker	Theme/Topic	No of Participants
Corporate Connect	25 January 2024	Online	Rajiv Sabharwal	Banking sector and experience as Managing Director	160

Corporate Connect	2 Feb 2024	Online	Deepak Mittal	Challenges and opportunities in technology industries	140
Leadership Connect	2 March 2024	Offline	Rajiv Malhotra	Trading sector	80
Leadership Connect	20 March 2024	Online	Swati Yadav		
Leadership Connect	20 March 2024	Offline	K.K Jalan	MSME	120
Leadership Connect	4 April 2024	Online	Khurram Siddiqui		110

## **7. Academic Programmes and improvements and Innovations in curricula and teaching-learning**

### **7.(a) Academic Programmes:**

The academic programmes at NU are grounded in the university's core principles of being industry-linked, technology-based, research-driven, and seamless. These foundational values are integrated into the transformational curriculum, which includes courses, R&D projects, industry practices, and co-curricular components. The programmes are designed to develop exceptional leaders equipped to navigate the complexities of a technology-driven business environment.

Undergraduate and Postgraduate Programmes

#### **1. Bachelor of Technology (B. Tech.)**

NU offers a Bachelor of Technology degree in the following disciplines:

- Biotechnology & Bioinformatics
- Computer Science Engineering
- Electronics & Communication Engineering
- Data Science
- Cyber Security

#### **2. Master of Technology (M. Tech.)**

The Master of Technology programme at NU is available in the following specialisations:

- Educational Technology
- Geographic Information Systems
- Cyber Security

#### **3. Integrated M.Sc. in Computer Science**

The Integrated Master of Science (M.Sc.) in Computer Science programme is structured around NU's four core principles: industry-linked, technology-based, research-driven, and seamless. This four-year programme is particularly suited for students who pursued Physics, Chemistry, and Biology but opted out of Mathematics in their senior secondary education. It prepares students for successful careers in the field of Computer Science.

#### **4. Integrated MBA**

NU's four-year Integrated MBA programme is an innovative degree designed for aspiring managers and leaders. It combines a comprehensive management education with in-depth domain specialisation. Each student is paired with a distinguished corporate mentor, providing personalized guidance through scheduled interactions. This mentorship bridges academic learning with real-world corporate insights, fostering seamless integration into the industry. The mentorship programme exemplifies NU's commitment to transforming traditional management education into the management programmes of the future.

## 5. Bachelor of Business Administration (BBA)

The three-year Bachelor of Business Administration (BBA) programme at NU is tailored to enhance the employability of its graduates in the competitive era of Industry 4.0. The curriculum blends academic study with the development of employability and entrepreneurial skills. The programme integrates subject-specific modules with skill-development components to equip students with advanced capabilities.

## 6. Industry-Sponsored Programmes

NU actively collaborates with industries to promote growth and innovation through a range of industry-sponsored programmes. These initiatives aim to strengthen the connection between academia and industry.

Notable industry-sponsored programmes include:

- PGDBS with Axis Bank
- PGDBRM with Axis Bank
- M. Tech. in Cyber Security with Infosys

## 7. Doctor of Philosophy (Ph.D.)

NU offers Ph.D. programmes in the following disciplines:

- Educational Technology
- Biotechnology & Bioinformatics
- Computer Sciences
- Electronics & Communication Engineering
- Natural Sciences
- Management

### **7.(b) Innovations in Curricula and Teaching-Learning:**

This academic year, we introduced new projects in various courses under project-based learning approach through an additive curriculum to enhance undergraduate students learning experiences. A few projects are mentioned below:

#### **Project-1: NU-Pitchers**

NU-Pitchers, the first additive curriculum project for iMBA students, has been launched in the first semester.

The Entrepreneurship and Startup Ecosystem course was central to the project, where teams developed a startup idea with defined roles for each member. The outcomes included:

- **Concept Statement:** Identifying the problem to solve.
- **Evaluations:** Internal and external feedback from team members and potential customers.
- **Elevator Pitch:** A one-minute pitch and a pitch deck for investors.
- **Business Plan:** A detailed monthly plan for the startup.



Professors enhanced the project by integrating marketing concepts through:

- **Marketing Management:** Focus on situation analysis, marketing strategy, financials, and controls, supported by a detailed evaluation rubric.

Additionally, another professor emphasized communication skills, covering topics like motivation, leadership, teamwork, conflict management, and stress management, which were essential for team dynamics.

The guidelines from the faculty outlined expected outcomes, ensuring students addressed real-life problems while understanding the interconnectedness of their studies. The additive curriculum framework encouraged reflection on customer value creation.

### **Project-2: Synergy**

Project Synergy was launched for 2nd-year BTech students in their 3rd semester.

Students brought forward a project from the previous semester that involved designing an IoT-based working prototype using various electronic components. They worked on advanced features for their prototype, integrating it with software, specifically programming languages like Java.

Under the guidance of the professor, students implemented the principles of Object-Oriented Programming to build a user-friendly interface (front-end system) for the prototype to project the data captured through sensors onto a website or dashboard. The goal was to create synergy where hardware and software communicated through data.

At the end of the project, students delivered a comprehensive presentation on how the solution was developed and demonstrated how the code ran.

Students gained in-depth knowledge as they worked on the same project and prototype over several semesters, which helped them create a fully functional application with features that could be used in the real world.

### **Project-3: DIP-Pers**

This project was launched for 3rd year BTech students under the guidance of our subject matter expert and an AI company from Hyderabad - PerspectAI. The objective of the project is giving students hands-on experience on image processing and computer vision.

Our faculty ensured that NUtons got to work extensively in the lab on all related Python libraries for Computer Vision and Image Processing and thus laid a strong programming foundation for them.

The PerspectAI company included a complete range of activities from creation of dataset, preprocessing to actual deployment of models and testing. Students got to work on actual industry tools like Labelbox to break videos into images, annotate the images and also extended it to testing an AI model with them.

Students learned how to:

- Use the label box to annotate images.
- Preprocess images and annotations for machine learning.
- Evaluate a CNN model.

What students gained:

- Hands-on experience with image processing, computer vision, and machine learning
- Knowledge of the latest tools and techniques in the field
- A chance to work on a real-world problem with an industry customer

#### **Project-4: M&M (Math & Mentoring)**

The M&M (Math & Mentoring) Project was the newest addition to the curriculum launched in that academic year. Revolving around the subject of Probability and Random Processes, the M&M Project aimed to involve students in collecting real-life data based on their everyday activities and deriving meaningful outputs from the collected data sets.

Students were tasked with acquiring data based on their daily routines, which included different variables like sleep time, study time, time spent on social media, and many more. This data was then used for academic performance analysis in their courses.

Additionally, they were required to mentor first-year students in their projects, such as the Workshop Practice Project, Cal-SymPy, or LPL. These included parameters like research skills, higher-order thinking, meeting attendance, and sharing resources on Asana.

In supporting these project teams, NUtons gained insight into the concepts of mentoring from a learning engineering perspective, which helped both mentors and mentees become aware of their learning.

## 8. Students on Roll till March 2024

Programme	Batch	M	F	Total	CSE	ECE	BT	CYS	DS	CCE
B.Tech.	2015	1	0	1	1	0	0	0	0	0
B.Tech.	2017	1	0	1	1	0	0	0	0	0
B.Tech.	2018	1	0	1	1	0	0	0	0	0
B.Tech.	2019	5	0	5	5	0	0	0	0	0
B.Tech. Jul	2020	127	36	163	117	4	4	14	24	0
B.Tech. Jan	2021	6	0	6	6	0	0	0	0	0
B.Tech. Jul	2021	76	39	115	96	1	7	6	4	1
B.Tech. Jan	2022	0	2	2	2	0	0	0	0	0
B.Tech. Jul	2022	124	40	164	130	2	11	17	4	0
B.Tech. Jan	2023	0	2	2	1	0	1	0	0	0
B.Tech. Jul	2023	150	59	209	186	0	9	4	10	0
BBA	2021	1	0	1						
BBA	2022	3	1	4						
BBA	2023	4	0	4						
IMBA	2018	1	0	1						
IMBA	2019	2	1	3						
IMBA	2020	10	14	24						
IMBA	2021	15	15	30						
IMBA	2022	29	19	48						
IMBA	2023	12	7	19						
M.Sc. (CS)	2019	1	0	1						
M.Sc. (CS)	2020	2	0	2						
M.Sc. (CS)	2022	0	1	1						
M.Sc. (CS)	2023	0	1	1						
M. Tech. GIS	Jul, 2022	1	0	1						
M.Tech. ET	Jan, 2020	0	1	1						
M.Tech. ET	Jan, 2022	1	0	1						
M.Tech. ET	Jan, 2024	1	0	1						
PGDBRM	Nov, 2020	1	0	1						
PGDBRM	May, 2021	4	1	5						
PGDBRM	Oct, 2021	2	3	5						
PGDBRM	Apr, 2022	2	1	3						

<b>PGDBRM</b>	Oct, 2022	2	4	6
<b>PGDBRM</b>	Dec, 2022	2	2	4
<b>PGDBRM</b>	Mar, 2023	22	4	26
<b>PGDBRM</b>	Jun, 2023	9	20	29
<b>PGDBRM</b>	Sep, 2023	13	14	27
<b>PGDBS</b>	Jul, 2023	39	18	57
<b>PGDBS</b>	Aug, 2023	39	23	62
<b>PGDBS</b>	Sep, 2023	110	62	172
<b>PGDBS</b>	Oct, 2023	97	54	151
<b>PGDBS</b>	Nov, 2023	101	58	159
<b>PGDBS</b>	Dec, 2023	93	58	151
<b>PGDBS</b>	Jan, 2024	100	46	146
<b>PGDBS</b>	Feb, 2024	145	59	204
<b>PGDBF</b>	Aug, 2023	12	2	14
<b>Ph.D. ET</b>	Jan, 2014	0	1	1
<b>PhD GIS</b>	Jul, 2017	1	0	1
<b>PhD ET</b>	Jul, 2017	1	0	1
<b>PhD ET</b>	Jan, 2018	0	1	1
<b>PhD GIS</b>	Jul, 2019	1	0	1
<b>PhD GIS</b>	Jul, 2020	1	0	1
<b>PhD GIS</b>	Jan, 2021	1	0	1
<b>PhD CSE</b>	Jul, 2021	1	0	1
<b>PhD CSE</b>	Jul, 2022	1	0	1
<b>Phd HSS</b>	Jul, 2022	0	1	1
<b>PhD HSS</b>	Jan, 2023	1	0	1

<b>PhD MG</b>	Jul, 2023	1	0	1
<b>Total</b>		1376	670	<b>2046</b>

<b>B.Tech.</b>	669
<b>M.Tech</b>	4
<b>PhD</b>	12
<b>MSc</b>	5
<b>IMBA</b>	125
<b>PGDBRM</b>	106
<b>BBA</b>	9
<b>PGDBS</b>	898
<b>PGDBF</b>	14

	<b>M</b>	<b>F</b>	<b>Total</b>
UG	499	179	678
PG	75	59	134
PhD	9	3	12
Other	793	429	1222
<b>Total</b>	<b>1376</b>	<b>670</b>	<b>2046</b>

	<b>M</b>	<b>F</b>	<b>Total</b>
Non ILP	583	241	824
ILP	793	429	1222
<b>Total</b>	<b>1376</b>	<b>670</b>	<b>2046</b>

## 9. Community Connect Programme

### Educational Initiatives and Workshops: Empowering Communities

Students were engaged with many activities spanning Energy literacy, Digital literacy, and financial literacy.

#### i. Career Counselling Session at Elite Global Public School, Kotputhali

On July 25, 2023, three faculty members of the University conducted a transformative career counselling session. They guided students at Elite Global Public School, Kotputhali, in making informed career choices.

# एनआईआईटी यूनिवर्सिटी की ओर से कार्यशाला का आयोजन

सीताराम गुप्ता @जयपुर भूमि

**कोटपुतली।** तनाव मुक्त विद्यार्थी जीवन, सफलता की राह- प्रो चन्दन महितवाल स्थानीय ग्राम गोनेछा स्थित इलीट ग्लोबल स्कूल परिसर में तनाव मुक्त विद्यार्थी जीवन सफलता की राह विषय पर कार्यशाला का आयोजन हुआ। एनआईआईटी यूनिवर्सिटी नौराणा की ओर से इलीट ग्लोबल एजुकेशन सोसायटी के संयोजन में आयोजित कार्यशाला में मानव संसाधन व योग विज्ञान विषय की सहायक प्रोफेसर डॉक्टर कोमल महितवाल ने उपस्थित विद्यार्थियों को संबोधित करते हुए कहा कि आज के परिवेश में यदि हम तनाव से उबरने के लिए योग व व्यायाम को अपनी दिनचर्या का हिस्सा बना सकते हैं तो वह हमारे सफल जीवन को सुनिश्चित करेगा। इस विषय पर बोलते हुए डॉ कोमल ने कहा भारत जैसे अध्यात्म व सांस्कृतिक रूप से संपन्न में देश में बदलते परिवेश के साथ विद्यार्थियों के जीवन में तनाव आज की मुख्य समस्या है। इस समस्या से



उबरने के लिए हमें अपने जीवन को अध्यात्म के सहज मार्ग से जोड़ना होगा जिसमें ध्यान योग सहायक होगा। अनेक ऐसे प्रसंग अपने संबोधन में सम्मिलित करते हुए प्रोफेसर चन्दन महितवाल ने कहा जो विद्यार्थी जीवन में प्रसन्न रहते हुए अध्ययन में तल्लीन रहते हैं वह अपने लक्ष्य को प्राप्त करते हैं। इस अवसर पर शिक्षा तकनीकी विषय के सहायक प्रोफेसर योगेंद्र पाल सिंह ने कहा कि विद्यार्थी जीवन में हमें आज

तकनीकी यंत्रों का प्रयोग बहुत ही सावधानी के साथ करने की आवश्यकता है जहाँ एक और इंटरनेट की दुनिया में सब कुछ खुला है वहाँ हमें अपने उपयोग की विषय सामग्री जुटा कर अध्ययन में आगे बढ़ना चाहिए ना कि अन्य लुभावने व भ्रामक विषय वस्तु में अपना समय व सामर्थ्य व्यर्थ करनी चाहिए। कार्यशाला के

पालक प्रोफेसर गुरेन्द्र नाथ भारद्वाज ने उपस्थित विद्यार्थियों को पूर्व राष्ट्रपति डॉक्टर एपीजे अब्दुल कलाम का जीवन प्रसंग बताते हुए कहा कि हम असफलता से हताश हुए बिना अपने जीवन को श्रेष्ठता की ओर बढ़ते रहें।

इस अवसर पर इलीट इण्डिया ग्लोबल सोसायटी के सचिव राजेन्द्र प्रसाद, संजय जाट, खुशराम, मंजोत सिंह सहित अनेक विद्यार्थी उपस्थित रहे।

## ii. Capacity Building Programme for MSME Volunteers

From August 7-11, 2023, a residential session empowered Youth Dreamer Foundation 10 volunteers through a Capacity Building Programme for MSMEs. Participants gained skills crucial for entrepreneurial success, fostering community development.

## iii. Stitching Workshop at Senior Secondary Government School, Bichpuri

Unnat Bharat's team hosted a stitching workshop on August 24, 2023, at Senior Secondary Government School, Bichpuri. This initiative aimed to enhance vocational skills among students, promoting self-reliance. Around 50 students have visited Bichpuri school. Under Unnat Bharat Abhiyan, NIIT University will run skill training lab in the school supported by Wipe Hot Wire Company

## iv. Candle Making Workshops

- Senior Secondary Government School, Bichpuri - September 30, 2023: Unnat Bharat Abhiyan, NU, engaged students in creative candle making, fostering artistic expression and entrepreneurial skills.
- Rao Sohan Lal PG College, Neemrana - October 7, 2023: Students explored the art of candle making, promoting sustainable practices and community engagement.
- Mahatma Gandhi Senior Secondary Government School, Neemrana- November 4, 2023: A workshop empowered students with candle making techniques, encouraging environmental consciousness.
- Unnat Bharat Abhiyan, NU, collaborated with Manthan NGO on a candle making workshop, promoting skill development and community collaboration.

**v. Energy Swaraj Yatra at NU**

October 19, 2023, witnessed the Energy Swaraj Yatra at NU, advocating for sustainable energy solutions. Participants engaged in discussions and initiatives towards achieving energy self-sufficiency.

**vi. Visit to Bharat Mandapam, New Delhi**

On February 7, 2024, a visit to Bharat Mandapam in New Delhi facilitated cultural exchange and educational insights, enriching perspectives and fostering mutual understanding. 30 students and 3 faculty members have represented NIIT University. NU RangManch have been awarded as national winner on its Nukkad Natak based Vikasit Bharat.

**vii. School Visit and Industry Visit**

The Community Connect course at NU, with 210 students, fosters hands-on learning and societal contribution. This course included educational sessions at Bichpuri and VIP School Neemrana, covering topics such as STEM education, AI tools, and creative skills like Canva and MS Paint. Visits also included an industry tour at Wipe Hotwire India, linking academic knowledge to real-world applications. The initiative emphasized freehand sketching and doodling to encourage creativity and gradual skill development among schoolchildren. Despite challenges like inadequate Teaching Assistant support and logistical hurdles, students managed these visits independently, showcasing leadership and adaptability. Feedback collected through surveys highlighted the program's success and provided insights for continuous improvement. The course effectively bridges the gap between academic learning and community service, fostering social responsibility, practical skills, and strategic thinking among students. Overall, it underscores the significance of collaboration, planning, and leadership in driving impactful community development initiatives.

**Annexure1**

[Brochure of Capacity Building Programme for YDF Volunteers on MSMEs](#)

## 10. Library Collection

### Library Collection

LIRC is fully computerized and uses Koha (Open-Source ILS – Integrated Library System) as the Library Management System. It focuses more on digital content. All digital resources, LIRC catalogue, and details can be accessed via NUgget. (learning portal). It has a good collection of text and reference books, and e-journals, and provides access to e-resources that are available in the public / open domain also.

### Print form

Sn.	Resource	Number
1	Books	15451
2	Bound Volumes of Journals	342
3	Audio & Video Resources	1298
4	Thesis (NU Ph.D.)	24

### eResources

**EBSCO Business Source Elite** – It provides access to the 518 eJournals and 444 eMagazine related to management.

**CMIE Prowess IQ** - Database of Listed and unlisted companies. It provides Financial performance of 54,707 companies

### **Jgate Science and Technology**

NU LIRC has subscribed the "Jgate Science and Technology" e-journal package.

A list of e-journals is attached. The availability details of these e-journals in Web of Science and Scopus indexing database are also mentioned in the list.

### **DELNET (Developing Library Network)**



The LIRC is a member of DELNET and uses its Inter-Library Loan facility for NU Faculty members. DELNET provides access to vast collection of print resources on demand. Its discovery tool provides access to bibliographical data of all libraries along with thousands of full-text e-contents.

### **National Digital Library**

NU LIRC has institutional membership of NDL. NU users' accessed the contributed contents (text, audio, video, image, animation, simulation, presentation, and application) of IIT Kharagpur, IIT Delhi, IIT Bombay, IIM Ahmedabad, NCERT, and NPTEL (IIT Madras). The platform provides Access to vast collection that include theses, articles, audio lectures, video lectures, books, etc. 100,317,720 Resources

### **INFLIBNET Initiatives**

Details of INFLIBNET initiatives are given below:

#### **Information and Library Network (INFLIBNET)**

NU LIRC has a membership of INFLIBNET Centre, Gandhinagar is an Autonomous Inter-University Centre (IUC) of UGC. It supports academic libraries in providing better services to users. NU LIRC has been taking advantage of INFLIBNET Centre and constantly adding new tools and services to its profile.

#### **Shodhganga : A reservoir of Indian thesis**

NU LIRC is member of Shodhganga. It provides access to vast collection of theses. Ph.D.

#### **E-ShodhSindhu: Consortium for Higher Education Electronics**

NU LIRC is a member of the E-ShodhSindhu consortium. ESS provides negotiated rates for selected e-journals, e-books, and online databases for subscription/renewal to registered members.

#### **Shodh Suddhi**

It Provides access to Plagiarism Detection Software called Drillbit . NU users can check the similarity level in the research papers and related works.

#### **INFLIBNET Access Management Federation (INFED)**

NU LIRC became a member of INFED during a pandemic. It has successfully implemented "Shibboleth" remote access tool and access to subscribed e-contents is available via Shibboleth platform.

### **INFLIBNET Learning Management System (Moodle)**

NU Library has also implemented INFLIBNET's Learning Management System. Now, access to ePG Pathshala e-content is available to NU users through this learning management system.

### **Research Aid**

The university library provides access to Turnitin, Plagiarism Detection Software, and guides students and faculty members to control the similarity level in the proposed research projects, thesis and research papers. Research tools like Turnitin, Mendeley, UGC-CARE, ORCID, Publon, and Shodhganga have been integrated with library portal to provide research aid.

### **IRINS and Vidwan**

The IRINS and Vidwan platform has been implemented to integrate faculty profile and research. These platforms provide access to the NU faculty profile with research metrics.

### **Knowledge Dissemination Cell**

The KDC has provided Alert Information Service (AIS), Current Awareness Service (CAS), and Current Content Service. It continued to disseminate information and knowledge to keep abreast of its users. It kept abreast library users about the contemporary developments throughout the year.

### **E-Resource for Print Disabled**

LIRC has made a provision of library services for print disabled.

### **Previous years question papers**

LIRC has made available previous years' question papers to BTech, BBA and iMBA. These papers are available at Circulation Counter.

### **Indexing to textbook (selected) section.**

NU LIRC has developed an index for the textbooks (selected). This index helps users to locate relevant books easily.

### User awareness and information literacy

2023			
3	DELNET and NIIT University workshop Open Broadcaster Software (OBS)	May 31, 2023	Delnet NU LIRC organized a Workshop on OBS. Dr. Yogendra Pal and Dr. Vinay Kumar Kainthola took sessions.
4	LIRC Orientation for Axis Bank_PGDBS Batch 1	Jul 25 2023	Orientation of LIRC for Axis Bank students
5	LIRC Orientation for BTech and Imba students	Jul 28 2023	LIRC Orientation for new batch
6	Festivals of Libraries_Ministry of Culture	Aug 05 2023	GOI organized this event to promote reading habits in india at new delhi
7	Orientation Session of PGDBS Batch 2 (Axis bank)	Aug 08 2023	Orientation for Axis Bank Students was organized
8	Book Exhibition organized	Aug 11 2023	LIRC organized exhibition of books available in the LIRC to promote readings
9	Panel discussion on Librarian's Day by ILA & DSBPA	Aug 12 2023	To celebrate the 131 birthday of Dr SR Ranganathan, Father of Library Science in India
10	Librarian' day by Uttar Pradesh Pustakalya Sangh Event, GZB Branch	Aug 19 2023	LIRC Incharge attended event orgazined by UPPS to celebrate 131 birthday of Dr SR Ranganathan, Father of Library Sience in India
11	Vasudhaiva Kutumb for the 21st Century	Aug 23 2023	LIRC Incharge attended the Library related session online. Event was organazines by GU, Greater Noida
12	INFLIBNET _ Ouriginal (URKUND) - User Awareness Training	Sep 05 2023	LIRC Incharge attended the session
13	Prowess IQ workshop	Sep 20 2023	Prowess IQ workshop conducted for students
14	Drillbit workshop for Nodal Officer organized	Oct 05 2023	LIRC Incharge attended the session
15	Drillbit workshop for Nodal Officer organized	Oct 06 2023	LIRC Incharge attended the session
16	Drillbit workshop for Nodal Officer organized	Oct 16 2023	LIRC Incharge attended the session
17	The 3rd International Conference in Humanities & Social Sciences, Management and Educational Technology, Entente 2023 (November 30 – December 2, 2023)	30-Nov	Library Session Co-Chaired
18	The 3rd International Conference in Humanities & Social Sciences, Management and Educational Technology, Entente 2023 (November 30 – December 2, 2023)	Dec 1 2023	Library Session Co-Chaired

19	Orientation for PGDBS (Batch 5)	Dec 7 2023	Orientation for Axis Bank Students was organized
20	Discussed in the panel discussion on "Transforming Libraries into Knowledge Hubs and Library Professionals as Knowledge Workers." by DELNET	Dec 21 2023	Organized by DELNET
21	Orientation Program for PGDBS (AXIS BANK) Batch 6	Jan 8 2024	
22	Delivered a talk on "Online Educational Resources for Higher Education" in the Online National Workshop that was organized by Arya Girls College, Ambala Cantt, Haryana.	Jan 16 2024	Student and faculty members of Arya Girls College
23	Jan 16 2024_Shodhchakra General Training session	Jan 16 2024	
24	Plagiarism and Similarity workshop for R&D Project students	Jan 18 2024	Workshop for R&D Project students at NIIT Univeristy
25	Plagiarism and Similarity workshop for R&D Project students	Jan 19 2024	Workshop for R&D Project students at NIIT Univeristy

## 11. Workshops & Events

- 1. Aravalli Bachao Citizens Movement/01 Mar 2023:** Awareness and outreach Session conducted by Ms Neelam Ahluwalia. It was followed by exploration cum survey of illegal mining and exploited areas of Aravalli Ranges in Alwar and Bharatpur districts with the NU GIS Team.
- 2. HR Conclave by GoR/ 03 Mar 2023:** NU hosted the HR Conclave, an initiative by IT Dept. of GoR, as a prelude to Mega Job Fair at Jaipur from 19 to 21 Mar 2023. HR heads of most of the industries at Neemrana attended.
- 3. Visit by CSEP (Centre for Social and Ecological Progress)/ 04 Mar 2023:** Eight delegates, including spouses, attending the CSEP Meet at Neemrana Fort visited NU Campus. They were briefed about Sustainability Initiatives at NU, Green Airconditioning, Water Conservation, Afforestation, TALF initiatives and Community Connect. Each of them planted a sapling at the end of the visit.
- 4. World Water Day/ 22 Mar 2023:** Was organised on the Campus by NU-NSS to create awareness about the importance of water conservation and protection of our water resources. The Campus where following events were conducted:
  - WWD Morning Quiz.
  - Poster Making Competition.
    - 1st prize- Muskan Gupta, 2nd prize- Shailja Tripathi, 3rd prize- Mansi Pathak & Ankita Kapoor.
  - Presentation by the Music Club and NU Kavishala.

5. **Cyber Security Club (cyberNUTica):** The newly formed club conducted following events:
  - a. Session on 'Basics and Future of Cyber Security' /26 Feb 2023.
  - b. Capture the Flag Challenge/ 18 Apr.
  - c. Scenario based Cyber Quiz/ 02 May.
  - d. 'CyBrog' – interaction with two alumni (Bhavya Narang & Sachin Kumar – 2016 Batch) working in the field of Cyber Security.
6. **Fashion Society:** Executive Walk "The Deviants" / 27 Feb.
7. **NU GAMERS (Gaming Club):**
  - a. 'OMNIA' – two E Sport tournaments, 'VOLORANT and 'FREE FIRE'/ 27 Feb – 02 Mar.
  - b. 'INVICTA-1' gaming Tournament with four games/ 05-10 Apr.
  - c. 'INVICTA-2', Tournament with four E Games/ 29-30 Apr.
8. **Her Campus:** NU Chapter launched on 22 Mar. Started as a student's publication by Harvard undergraduates for women on campus. A gender inclusive organisation. Which publishes articles every week about things of interest to Gen Z and university students. Globally it has more than 430 Chapters, 11,000 members in 11 countries. It is also a Collegiate on-line guide for traversing through life.
9. **NU Kavishala:**
  - a. Open Mic Competition at IMI Delhi; Anudeep Palaparthi won the 2<sup>nd</sup> Prize/ 24 Feb.
  - b. NU Open Mic/ 15 Apr.
  - c. 'ALFAAZ' at AIIMS Delhi; Kritik Prabhakar won the 2<sup>nd</sup> prize.
10. **Quiz Club Jigyasu:**
  - a. Sitcom Quiz 'The One Where We Quiz'/ 01 Feb.
  - b. Quiz Competition 'Sagacity'/10 May.
11. **Shooting Club (NUMarksmen):**
  - a. One training pistol procured for practice by members. Training conducted by Suryansh Khare.
  - b. Suryansh Khare obtained 42<sup>nd</sup> Position in All India University Games at Meerut/ 01-04 Apr.
  - c. Siddhanth Goel was selected to represent Haryana State Team in the Pre-State Trial at Karni Singh Range Delhi/ 09-14 May.
12. **Photography Club:** Workshop on photography conducted on the Campus by Mr Virendra Adhikari, Professional Photography Mentor for all club members on 08-09 Apr.
13. **Programming Club:** 'CODE CLASH' a Programming Competition organised on 18 Apr.
14. **Robotics Club:** 'ROBO-QUIZ & Hackathon' conducted on 06 May.

**15. TEDxNIITUniversity 2023:** 6<sup>th</sup> Edition of TEDxNIITUniversity was held on 19 Mar 2023. With the theme T.H.I.N.C. (Transform, Hustle, Introspect, Nurture and Create), the event struck the right chord among the audience as it also resonated with the core principle and ethos of NU. Following 10 distinguished speakers graced the event along with two inspiring performers:

- a. Dr Aqsa Shaik – one of the first transgender doctors of the country.
- b. Ms Sanghamitra Bose – Founder & CEO of NGO ‘Sshrishti Trust India’.
- c. Mrs Anurajita Kumar – CO-Founder & CEO of ‘WeAce’, a women-first platform.
- d. Mr Deepak Pareek – Co-founder of Iceberg Creations, a content creation and media production firm.
- e. Ms Pravishi Das – actor, model, and conflict resolution coach, appeared in National award-winning film ‘Waterbaby’.
- f. Mr Tapes Kumar – The youngest Flight Captain in the world in 2018 at 25 years. Currently working with AirAsia.
- g. Mr Harsh Goela – Co-Founder of Goela School of Finance LLP, aims at making India number one economy in the world.
- h. Ms Astha Tiwari – sports commentator, podcaster, and content creator.
- i. Mrs Shushma Gaikwad – An entrepreneur and co-founder of Ice Global, Wizcraft MIME, and Sukhoon.
- j. Mr Ganesh Sahai – An alumnus of IIT Delhi and IIM Lucknow, formerly worked with Adobe and Oracle, currently working as global CTO at Nagarro.
- k. Ms Nishtha Khusu – Kathak performer, trained by Guru Diksha Rana and Guru Shalini Sharma. During the Pandemic, raised funds to begin her dance academy ‘Jhankaar’.
- l. Mr Vijay Prakash Sharma – A singer, winner of the Channel V TV Show Popstars in 2014, has performed more than 1000+ Live Shows. Teaching for over 10 years in his VPSP Music Academy.

**16. ingeNUity 2023:** The Cultural Fest was held from 21 -23 Apr 2023. It consisted of events and competitions in music, dance, poetry, and theatre. It also provided plenty of opportunities to dance to the rhythmic tunes of various bands and DJs. Even though the footfall was not very high, NU performed well in following events:

- a. Group Dance – first position by Dance Club (IMPETUS).
- b. Solo Singing – first prize (Krishna Routh (2021 Batch)).
- c. Theatre:
  - Best Actor (Nukkad Natak) – Sreejita Mukherjee (2020 Batch).
  - Best Performer in Nukkad Natak – Krishna Routh (2021 Batch).
  - Best Monologue Actor – Nanduri Sridhar (2020 Batch).

#### **17. Resonance 2023:**

The Induction Programme was held from 13 Jul to 31 Jul. Following events were conducted:

##### **Invited Talks:**

- a. Mr Aman Nath (Neemrana Fort Hotel) – ‘NEEMRANAFICATION’.

- b. Prof Sandeep Kumar (IIT Delhi) – ‘HUMANIZE TECHNOLOGY’.
- c. Mr Harpal Singh – ‘ETHICS’.
- d. Prof Ashok Misra – ‘EXCITING OPPORTUNITIES IN ENGINEERING’.
- e. Dr Rajendra Singh (The Waterman) – ‘REJUVENATION OF RIVERS’.
- f. Mr Arvind Thakur – ‘GLOBAL ECONOMIC EVOLUTION AND SKILLS REQUIRED TO STAY AHEAD’.
- g. Dr Sangeeta Kaul (Dir DELNET) – ‘TRANSFORMING AND EMPOWERING LIBRARY USERS’.
- h. Ms Geeta Mathur – ‘WOMEN IN LEADERSHIP’.
- i. Mr Arun Maira – ‘CONNECTING WITH THE COMMUNITY’.
- j. Dr Ajay Mathur (DG International Solar Alliance) – ‘ENERGY SOLUTIONS FOR THE WORLD’.

#### **18. Workshops/Presentations:**

- a. Overview on Competency Skillsets, Career Aspirations and Learning Styles.
- b. Design My Future.
- c. Joy of Gratitude.
- d. Personal Quality Initiatives.
- e. State Presentations (14 states).

#### **19. Academic Sessions:**

- a. The Future of AI – How Will it Change the World.
- b. Fun with Algorithm.
- c. Probability and Statistics – The Science of Uncertainty and Data.

#### **20. Morning Activities:**

- a. Trek to ‘Suryoday Sthal’.
- b. Trek to ‘Scar’.
- c. Valley Crossing.
- d. Tour of Earth Air Tunnel.
- e. Eco Tour and Tree Plantation.
- f. Campus Tour.

#### **21. Inter Cluster Competitions:**

- a. Badminton.
- b. Basketball.
- c. Cage Cricket.
- d. Gymming.
- e. Table Tennis.
- f. Volleyball.
- g. Cross Country.
- h. Attendance in all activities.

**22. Van Mahotsav:** Held as part of NU Annual Event on 28 Jul. Apart from members from the local community, members from NIA and the Civil Administration, we had very active participation in the cultural events and volunteer service by large number of NUtons.

23. Resonance culminated with a Cross Country Race on the final day and the Ms & Mr Fresher competition. Winners were:
- Ms Fresher: Zaara Ahmed.
  - Mr Fresher: Indranil Saha.
  - Champion Cluster; Cluster 11.
24. **Anti-Ragging Week** organised from 12-18 Aug consisted of the following:
- Briefing and discussion on Anti-Ragging Policy and measures to enhance the same. There was overwhelming response from students for this session.
  - Poster and Logo making competition.
  - Screening of Anti-Ragging movie.
  - Nukkad natak on anti-ragging.
  - Cultural evening with prize distribution.
25. **Independence Day** was celebrated with fanfare. In addition to Flag Hoisting and a speech by the President, it included the following:
- Nukkad Natak on 'Fundamental Duties'.
  - Patriotic songs by NU Music Club.
  - Dance performance by NU Dance Club.
  - Speech by University Captain and Vice-Captain.
  - Launch of '**Meri Mati Mera Desh**' campaign by NU NSS.
  - Launch of '**Indradhanush**' a donation campaign (only in kind) by Team 'siNIsoid' for the underprivileged of the community.
  - Award presentation to deserving support staff.
26. '**Hostel Pe Charcha**' an Open House on Hostel Facilities and Improvements was held on 28 Aug 2023, attended by a full house in the Audi.
27. '**Hindi Diwas**' was celebrated on 14 Sep at the Campus in the form of a Hindi Quiz Competition.
28. '**Orange House Day**' was organised by the Orange House on 23 & 24 Sep. It consisted of the following interesting events:
- Sports spectra** - a relay of running, piggyback, cycling, volleyball, basketball, chin ups and cricket, that required team efforts and equal individual effort to ensure a lead in the game and a win at the end.
  - Trek to Scar.**
  - Kabaddi Match.**
  - An entertaining '**Bollywood Evening**' of singing, dancing and poetry interspersed with Best Dressed Male (Parth Pahwa - 2022), Best Dressed Female (Shreeya Singh – 2023) and Best Performer (Kanta – Axis Bank) of the evening.
29. HULT Prize Team conducted a unique event called 'DISCARD TO DESIGN' on 28 Sep. It involved creation of a product from waste material available on the Campus. 8 teams with a total of 29 students drew a considerable crowd.



30. A **'TALF WALK'** was organised on 29 Sep by the Fashion Society, showcasing traditional Indian Dresses.
31. The Gaming Club organised a competitive gaming tournament **'RESPAWN'** from 29 Sep to 01 Oct which was sponsored by SKOAR College Gaming Club. 600 students participated in person and 350 in on-line mode.
32. **Gandhi Jayanti** was celebrated on 02 Oct with the following events:
- 'Swachhata Pakhwara'** cleanliness drive in Neemrana town by NSS and TEDx Teams in conjunction with NCC cadets of MDVM Parle School.
  - Quiz Competition** conducted by 'NU Jigyasu'.
  - An evening of **bhajans and songs** by the Music Club.
33. **'AUDACITY'** a dance competition was conducted by 'NU IMPETUS' on 08 Oct. 88 participants from four different teams participated in one of the most popular competitions, which picks up teams for dance competition during the cultural fest to be held next semester.
34. **'Orators Odyssey'** an Inter House debating competition was organised by 'NU DEBSOC' on 12 Oct, in which three house teams and the DEBSOC Team participated.
- Best Individual Speaker: Deepta Batra.**
  - Best House: Orange House.**
35. **'Tabassum -e-Dost'** a 'mushaira' was organised by the 'NU KAVISHALA' on 14 Oct, which fielded budding NUTon poets with their own compositions.
36. An **'EDUCATORS MEET'** was organised by the Admissions Team on 15 Oct, in which 35 founders, principal and teachers from 22 different schools (mostly from NCR, Bhopal and Ahmedabad) participated. Many of them were felicitated for their specific achievements in the field of school education.
37. An interesting Quiz Competition **'Jumbooree 2.0'** was organised by 'NU JIGYASU' on 25 Oct. 42 competitors participated under four categories – 'Cartoons', 'K-pop & K-drama', 'Harry Potter' and 'Anime'. The winners were:
- 1<sup>st</sup> – Ishika Sahu.
  - 2<sup>nd</sup> – Prachi Bharti.
  - 3<sup>rd</sup> – Aditi Kapila.
38. **Blood Donation Camp** under the aegis of Red Cross Society New Delhi was organised on 26 Oct jointly by NSS and 'ingeNUity' teams. **112 units of blood** was donated by enthusiastic NUTons and NURturers.
39. **Inter House Rangoli** competition was held on 26 Oct. **White House** was declared the winner.
40. An invited talk and interaction with faculty and students was conducted by **Prof Chetan Solanki** on **"Climate Change and Corrective Actions"** on 28 Oct. It also included a demonstration of the 'Energy Swaraj' self-contained bus.
41. **'National Unity Day'** was celebrated on 31 Oct through following events:
- Open Quiz Competition.
  - National Unity Run, in which prizes were awarded to first three boys and girls.

### Technical Fest siNUoid V7:

**42. The Theme:** The 7<sup>th</sup> Version of the Technical Fest ‘siNUoid V7’ was held from **03-05 Nov**. The chosen theme for the seventh version of siNUoid is "**Alternate Actuality**," which aims at inviting participants to explore divergent realities and contemplate the intricate interplay of choices within the context of an alternate universe.

**43. Inaugural Session:** The Fest was inaugurated on the evening of 03 Nov by the President, accompanied by Prof. Parimal V Mandke, Prof. Vijay Mandke, and Maj. Gen A K Singh. The sponsors from SKOAR College Gaming Club Mr. Aman Shukla [Head of Partnerships-SKOAR] and Mr. Ashwani Kumar [Marketing Head, Ubon] and were also present for the inauguration. It was a good combination of performance by music and dance clubs and the Poetic Society.

#### **44. Skill Based Events:**

##### **Day 1 (03 Nov):**

- a. **Capture The Flag (CTF):** An online event in collaboration with ciberNUtica, NIIT University’s Cybersecurity Club, CTF presented an adrenaline-pumping cybersecurity challenge. 11 students participated.

**Prize Pool:** Rs. 5,000/-. **Winner-** Saurabh Kumar. **Runner up-** Naman Jha.

- b. **Tech Savvy:** In collaboration with Jigyasu NU, the quiz club, Tech Savvy engaged 70 participants in a tech-focused quiz testing the knowledge of everyone present across various technological domains.

**Prize Pool:** Rs. 3,000/-. **Winner-** Amritanshu Agarwal. **Runner up-** Kamakshi Bali.

##### **Day 2 (04 Nov):**

- c. **Techtacular:** 24 teams showcased prototypes, serving as a showcase for cutting-edge technological solutions to existing problems.

**Prize Pool:** Rs. 5,000/-. **Winner-** MedTech Mavericks (Sujal Kishore,Pranjal Singh Koranga,Thammisetty Venkata Dhruvil Tharun). **Runner up-** Planeteers (Vineet Singh, Mehra Shlok Burni, Anuva Aggarwal, Yuvraj Rajni) and **Forecasters** (Sakshi Prasad, Yuvraj Vig, Manasvinee Singh, Ritik Arora).

- d. **Bug Bash:** Going beyond ordinary debugging, Bug Bash elevated programming acumen. 28 participants were tasked with blind debugging and rewriting code.

**Prize Pool:** Rs. 8,000/-. **Winners** yet to be decided.

- e. **Murder Mystery:** Combination of analytical and problem-solving skills in an immersive style. 9 teams with 54 individuals participated.

**Prize Pool:** Rs. 8,000/-. **Winners-** Team Mysterious Minds (Vasvi Nehra, Dhruvika Bansal, Somali Paliwal, Tanisha Sharma, Himadri Bahuguna).

- f. **Start-up Summit:** It featured eight teams presenting innovative ideas and business plans in a pitch deck competition to a panel including Professor Abhishek Dutta (iMBA- Marketing) and Professor Vivek Saxena (iMBA- Finance).

**Prize Pool:** Rs. 15,000/-. **Winner-** STAC(Paras Rana). **Runner up-** Killer Catchers (Saurabh Kumar).

- g. **Hackathon:** Three teams participated.

**Prize Pool:** Rs. 15,000/-. **Winner-** GenSynth (Amritanshu Agarwal, Megha Mittal, Shounak Paul, Mudit Mohit). **Runner up-** Kyomi (Utkarsh Sharma, Kshitij Sinha, Karam Arora).

**Day 3 (05 Nov):**

- h. **Re:Spawn Finals:** An event spread over all three days. The offline footfall during the main fest exceeded expectations, with over **700 people** immersing themselves in the gaming spectacle. It featured the most awaited finales of competitive games, including Valorant, BGMI, CoDM, and Minecraft.

**FINALISTS:** Valorant- 12, Minecraft- 10, CODM- 12, BGMI- 64 (INDIVIDUALS)

<b>Prize</b>	<b>Pool:</b>	Rs.	70,000/-.
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- i. **Valorant- Winner-**Team Mobius Strip (Rs. 15,000). **Runner up-** Team Rezek (Rs. 8,000).

ii. **Minecraft- Winner-** Team DD (Rs. 8,000). **Runner up-** Team Green Geckos (Rs. 4000).

- iii. **CODM- Winner-** Team Elvish (Rs. 8,000). **Runner up-** Team Abhishek (Rs. 4,000).

iv. **BGMI- Winner-** Team T4e duality (Rs. 15,000). **Runner up-** Team Dhaba Duality (Rs. 8,000).

v. **Code Fusion:** Held in an online format, Code Fusion unfolded as a coding spectacle. Nine participants engaged in both debugging and coding challenges. **Winner-** yet to be Decided (Rs. 8,000).

vi. **Design Dojo:** With the theme of "Alternate Actuality," Design Dojo" challenged 10 creative minds to showcase design acumen. **Winner-** Tushar Agarwal (Rs. 3,000).

**45. Other Events:**

- a. **SKOARCADE:** Conducted in collaboration with Skoar-College Gaming Club, SKOARCADE was a haven for gamers. Featuring custom PCs, consoles, headsets, and Mountain Dews, the event garnered an impressive 707 registrations offline.
- b. **Alchemist:** Successfully integrating science and art through the engaging Gram Stain Experiment to cater to BioTech students. With 17 participants, Alchemist offered a microscopic insight into bacteria.
- c. **Robo-Rush:** In partnership with the robotics club of NU, Robo-Rush featured an exciting robot race.
- d. **Snakes and Ladders:** Life-size Snakes and Ladders turned the traditional board game into a lively event. Enthusiasts became living pawns on a 10x10 printed snakes and ladders board.
- e. **2wisted:** A captivating quiz event in collaboration with the Quizzing Society of NU, 2wisted took teams on an intellectual and competitive ride with its 'x' and 'o' format.
- f. **Wikispeedia:** An innovative and interactive event brought the vast world of Wikipedia to life.

**46. Many food stalls** were laid out for all to enjoy different variety of cuisine.

**47. CLOSING CEREMONY:** The Closing Ceremony of siNUoid V7 was attended by The President Prof. Prakash Gopalan, Dean Student Affairs Maj. Gen A K Singh, Mr. Aman Shukla (Head Partnership SKOAR), Mr. Dhruv Das Naskar (Asst Op Manager-SKOAR) and Mr. Rahul Rawat (Asst Brand Manager-SKOAR). Prizes were awarded to all the winners on this occasion.

**48. ‘NANHI CHHAAN’ Program 2023**

NU hosted top 20 students from across India, who won the National Essay competition organized under the aegis of Nanhi Chhaan (NC) foundation from 28th November-1st December at NU campus, along with few teachers and parents. The event was coordinated by Associate Professor, Dr. Neha Tiwari and Assistant Professor, Ms. Swakangkha Ghosh. It consisted of interesting interactions like ‘Ice Breaking’ session, “Economic Freedom and Social Progress: A Comparative Analysis of two Chosen Economies.” by Dr. Mamta P Jain, session on ‘Geographic Information System’ by Dr. Thota Sivasankar, talk by Dr. Sanjeev Kumar on “Bio Futures: Life and Technology”, a demo on ‘Movable Rockets’ by Dr. Jitendra Joshi and a fascinating session on ‘Body language and Communications Skills’ by Dr. Anshima Srivastava. Other notable activities included a trek to ‘Suryoday Sthal’. Eco Tour and Tree Plantation at ‘Nanhi Chhaan Garden’, sports activities, ‘Show Your Talent’ and an engaging interaction with NU Leadership

The students also got a unique opportunity to attend the keynote address by Mr. Harpal Singh, Founder and Chairman of NC Foundation at the ongoing International Conference ‘ENTENTE’, which was followed by a thought-provoking interactive session with Mr. Harpal Singh on ‘Pros and Cons of Diversity and Impact of Bollywood on India and the World’. Finally, they had the opportunity of a meaningful interaction with Founder of NIIT Ltd and NU Mr. Rajendra Singh Pawar, and President Prof. Prakash Gopalan at the ‘Listening Tree’.

**49. ENTENTE:** NIIT University's very own international conference, held its third edition from November 30th to December 2nd, 2023.

The conference featured Mr. Harpal Singh as the keynote speaker, who emphasized the importance of a well-rounded education system beyond IT and engineering. Track sessions delved into specific areas of interest, with notable presentations covering topics ranging from finance and banking to educational technology and social sciences. Over all 78 papers were presented in total out of which 23 were presented by NUtons and 6 by NUrturners. 49 papers were presented by external participants.

**50. Lohri** was celebrated on 13 Jan with bon fire in the Bowl area.

**51. ‘Raath Mahotsav’** was held on 14 Jan. It commenced Lamp Lighting by the President and consisted of the following events:

- a. Lively performance by NUtons, local folk artists and school children.
- b. Community lunch with 1100 members.
- c. Distribution of clothes to the local community donated by NUtons.
- d. Bountiful camel cart rides.

**52. Kite Flying** competition was held on 21 Jan.

**53. Republic Day** was celebrated with following events:

- a. Unfurling of National Flag by the President.
- b. Awards to 22 deserving support staff members.
- c. Patriotic songs, poetry and dance by Music Club, NU Kavishala and Dance Club.

- d. Electoral Literacy Club reminded all of us about Citizens Charter for becoming a responsible voter, including a pledge.
- e. NU RANGMANCH presented a 'Nukkad Natak' on Viksit Bharat.
- f. A joint pledge by more than 200 participants on 'Quality Bharat Viksit Bharat'.

**54. Art Competition** "Colourful Chaos Conundrum" was conducted in the evening of 26<sup>th</sup> Jan.

**55. Jaipur Literature Fest:** February 4th, 2024, NIIT University's TALF organized a trip for 40 students and 4 faculty members to the 17th Jaipur Literature Festival in the Pink City of Jaipur. Students got a chance to listen to and interact with eminent speakers like Mr. Shashi Tharoor, Mrs. Sudha Murthy and many more.

**56.** 27 Students and 3 faculty members participated in the 'Youth for Quality Bharat Festival' at Bharat Mandapam New Delhi on 07 Feb.

**57. Ideation Workshop:** Centre for Innovation Incubation & Entrepreneurship at NIIT University organized Ideation Workshop on Feb 14, 2024. The aim of the workshop was to foster creativity and generate innovative ideas for solving real life problems. The workshop brought together a diverse group of participants from various disciplines to collaborate and brainstorm solutions. Prof Eswaran Narasimhan was the facilitator of the workshop. The session concluded by exploring how technology can be leveraged to enhance idea generation and drive innovation in the field of Digital Image Processing.

**58.** The new "RAMANUJAN MATH CLUB (RMC)" conducted a unique 'Math Relay' in which 16 teams 94 members each) participated.

**59.** 4<sup>th</sup> Edition of the **HULT Prize** was held on 18 Feb, with 13 teams participating. The teams were judged by a panel of four external judges.

**60. 3<sup>rd</sup> EdTech Growth Program:** EdTech Growth Summit is a one day event which is organized online. This year, it was scheduled on Feb 26, 2024 where multiple panel discussion and fireside-chat sessions were hosted online.

After the Growth Summit, 15 startups were invited to participate in the Growthcamp event at NIIT University, Neemrana campus. Growthcamp event was a three day event organized during April 3-5, 2024 where multiple expert talks were scheduled on first two days and founders got a chance to pitch their startup in front of the AIs and VCs on the third day.

**61. Ideation Workshop:** On February 14, 2024, an ideation workshop was conducted by CIIE. Professor Eswaran Narasimhan was the facilitator of the workshop. The primary aim of the workshop was to guide students for initiating the ideation process effectively. Common ideation blocks and challenges were discussed, offering strategies for overcoming them to ensure a smooth ideation process. The session concluded by exploring how technology can be leveraged to enhance idea generation and drive innovation.

**62. InnovateSpark workshop:** On February 29, 2024, InnovateSpark workshop was conducted by CIIE. Professor Eswaran Narasimhan was the facilitator of the workshop. The workshop focused on the intricate process of decision-making and the essence of choices during the ideation phase of a project/startup. The session provided insights to the participants about understanding the complexity of choices and their impact on problem-solving.

- 63. Water Management Workshop 20 Feb 2024:** Central Ground water Board, Western Region Jaipur, under the aegis of “**Rajeev Gandhi National Groundwater Training & Research Institute**” organized one day training program (Tier-III) for the stakeholders on the topic of “**Local Groundwater Related issue and Management**” on 20 Feb 2024 at NU. Regional Director CGWB Western Region chaired the Training Program. A large number of members from Neemrana Industries Association, local community and Govt Officials, including, Sr Regional Manager RIICO Neemrana, President NIA, attendance the event. All attendees were awarded a certificate of participation for attending the Training Program.
- 64. InnivateSpark Workshop 29 Feb 2024:** The Workshop was conducted by Prof. N Eswaran on 29 Feb 2024, attended by faculty members and NUtons.
- 65. International Women’s Day 08 Mar 2024:** Celebrated on the Campus on 08 Mar 2024. The events included plantation by lady members of the faculty and staff.
- 66. Holi 25 Mar 2024:** Holi was celebrated at the Campus with full gusto. It commenced with ‘Holika Dahan’ on 24 Mar and the spread of colours on 25 Mar. It was followed by a Special Lunch for the students and a Special Dinner for faculty and staff members with their families.
- 67. World Water Day 18 Apr 2024:** The World Water Day was celebrated on 18 Apr 2024 (in place of actual date of 22 Mar) due to the Holi break. The event organized by NU NSS consisted of Awareness Sessions and short videos from UNDP on conservation of water and a cultural event by Music club, Debating Society and NU Kavishala. The event culminated by awarding the winners of ‘On the Spot’ Essay Writing competition.
- 68. World Earth Day 22 Apr 2024:** The event was celebrated in the form of a Quiz Competition. The Sustainability Club also came up with a Campaign called - “**FROM EIGHT TO NINE, THE EARTH IS MINE**” a campaign to switch off all hostel room lights and fans between 8 & 9 PM, when most students are out for dinner.
- 69. ESRI India’s GIS Workshop 24 Apr 2024:** A Day long Workshop was organised at NU on 24 Apr 2024, which was addressed by eminent experts from ESRI India, including Mr. Rajesh Kumar Mathur (Advisor ESRI), Mr. Manish Shrivastava and Mr. Mallesh Ballina. It was attended by 146 students and faculty members.

## **OTHER UPDATES**

### **1. Quality Management System ISO 9001:2015.**

An audit was conducted by ISO certified External Auditor and NU Internal Auditors.

The audit encompassed an evaluation of NU quality management system, processes, and procedures across all departments. The approach adopted was a combination of document reviews, interviews, observations, and data analysis to assess compliance with standards, identify areas for improvement, and determine the effectiveness of quality control measures.

Based on the findings and recommendations, the quality audit provided valuable insights for further improvement and growth opportunities.



## **2. Sessions conducted:**

- a. Gender Sensitization
- b. Question Paper Setting with PO/CO/PI
- c. Session on Prevention Against Sexual Harassment
- d. Session on Implementation of OBE and Course Attainment Calculation
- e. A one-day interactive session by IUCEE

### **a. Gender Sensitization.**

Gender Sensitization session was conducted by Dr. Ritu Dangwal, Professor of Psychology (Department of Humanities and Social Science, NIIT University), the session was conducted to foster awareness and understanding of gender-related issues, promote inclusivity, and create a more equitable and respectful environment.

### **b. Question Paper Setting with PO/CO/PI.**

Dr Vinod V. Thomas, Registrar Evaluation and Professor of Department of Electrical & Electronics Engineering at Manipal Academy of Higher Education conducted a session on Question Paper setting with PO/CO/ PI.

The session aimed to enhance quality of assessment by aligning the question paper(s) with educational objectives thereby ensuring standardization and uniformity across courses.

### **c. Session on Prevention Against Sexual Harassment.**

The session was delivered by Ms. Manjula Kumar, Consultant and Director, Alumni Affairs, NIIT University on April 27,2024. She sensitized the audience towards preventing sexual harassment at workplace and also develop effective strategies to over it.

### **d. Session on Implementation of OBE and Course Attainment Calculation**

This session was conducted by Prof. P. S. Grover, *ex-Head/Dean/Director*, Delhi University, Director General, GGS Indraprastha Univ. Delhi, Campus Director, KIIT Group of Colleges.

The session was especially designed for faculty to equip them with practical tools and strategies to incorporate implementation of OBE and course attainment calculation elements into existing courses.

### **e. A one-day interactive session was organized by IUCEE on Saturday, April 6, 2024, at Chitkara University, Chandigarh.**

The following faculty members were nominated by the University.

- Dr Arghya Guchhait
- Dr Anand Kumar Misra
- Dr Dinesh Kumar

The session was held in two parts; first part was an interactive session on best practices for effective student-centric learning based on the 5 modules of IIECP and second part was focused on collaboration among the Teaching and Learning Centers in the Region.

To ensure active participation, one faculty member was assigned the responsibility of acting as a coordinator.

### 3. “Exploring the opportunities to expand the outreach of Additive Learning.”

In order to provide a platform for faculty members and researchers to share best practices, innovative teaching learning methods, and cutting-edge research in engineering education, Ms. Sampada Pachaury, Director & Board Member of Indo Universal Collaboration for Engineering Education (IUCEE) visited NIIT University to explore the opportunities to expand the outreach of additive learning, on March 21, 2024.

### 4. NAAC Peer Team Visit

The NAAC Peer Review Team Visit was held from April 29 to May 01, 2024.

The process started with President’s presentation wherein the team acquainted itself with institution's vision, mission, objectives, and future-plans. Subsequently, the team visited various departments, physical facilities, infrastructure, including classrooms, laboratories, libraries, and other facilities. The Team interacted with Faculty, Students, Administrative Staff, and Other Stakeholders. Members also reviewed documentation such as academic policies, financial statements, and quality assurance mechanisms to validate compliance with NAAC's criteria.

## 12. Research Activities at NU:

### I. Number of papers published/accepted in peer-reviewed journals/conferences (Faculty)

Number of papers published in peer reviewed journals	Number of papers accepted in peer reviewed journals	Number of papers presented in conferences	Number of papers accepted in conferences	Number of edited volume book published	Number of book chapters published
40	2	13	4	1	13

\*\* Patent published –5,

### II. Number of papers published/accepted in peer-reviewed journals & conferences (Students with faculty members): 3 Journal Papers + 3 conferences.



### III. Ph.D. students (Area wise)

Area	No. of students
Biotechnology	0
Computer Science	2
Electronics and Communication Engineering	0
Educational Technology	2
Geographical Information System	2
Mathematics and Basic Sciences	0
Management	1
Humanity and Social Science	2

### IV. On-Going Projects: 4

Sr. No.	Project Title	PI Name	Agency	Project Sanction Amount (In Lakhs)	Project Starting Date
1	Container Forensics: Investigating Security and Privacy Challenges in Cloud Computing Environments	Dr, Anand Kumar Mishra	NU	230000	28 March 2024
2	Integration of Photovoltaic and Photosynthesis techniques for harvesting Electrical Energy to Power Up IoT Sensors Nodes for Monitoring Environmental and Agriculture Conditions”.	Dr. Jetendra Joshi & Prof. Ajay Kumar Singh	NU	480000	28 March 2024
3	Characterization of Photoconductive Devices for Bio-Sensing Applications”.	Dr, Manoj Kumar	NU	200000	28 March 2024

<b>4</b>	<b>On linear codes and their applications”</b>	Dr, Sachin Pathak	NU	190000	28 March 2024
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#### **V. Publication & Patent Reward 5 (Under Research Promotion Policy) – 24+7=31**

<b>Area</b>	<b>Publication Rewards</b>	<b>Patent Rewards</b>
Biotechnology	7	
Computer Science	1	2
Electronics and Communication Engineering	3	2
Educational Technology	0	
Geographical Information System	1	
Mathematics and Basic Sciences	7	
Management	3	3
Humanities & Social Science	2	

#### **VI. R & D project & Advanced R&D project**

Total R&D projects were 50 for 173 students, which were completed in May 2023. Total no of R&D Projects 48 for 117 students since January 2024. Total Advanced R&D projects was 19, which were completed in December 2023.

#### **VII.Funded project proposal submitted :1**

<b>Sr. No.</b>	<b>Project Title</b>	<b>PI Name</b>	<b>Agency</b>	<b>Project Sanction Amount (In Lakhs)</b>	<b>Project Starting Date</b>
<b>1</b>	Epilepsy detection and seizure prediction using Multimodal Cognitive Engineering Techniques	<b>Anirban Das and Sudip Sanyal</b>	Deity, Govt. of India,	<b>57.98</b>	15 <sup>th</sup> March, 2024

### 13. Faculty Achievements

#### Publications

##### Journal Publications

1. **Kumar Nitesh**, "A Novel Multi-Objective Optimization-Based Path Formulation for Mobile Sink in Wireless Sensor Networks", Arabian Journal for Science and Engineering 2023, ISSN- 2191-4281, <https://doi.org/10.1007/s13369-023-07636-9>
2. **Gurendra Nath Bhardwaj**, "Fostering Corporate Entrepreneurship in SMEs: Evidence from India", Journal of Enterprising Culture, Vol. 31, No. 01, pp. 25-46 (2023), <https://doi.org/10.1142/S0218495823500012>
3. **Ajay Kumar Singh** "Energy-Efficient and Variability-Resilient 11T SRAM Design Using Data-Aware Read-Write Assist (DARWA) Technique for Low-Power Applications", Sensors, **Vol. 23, Page** 1-34, 2023, <https://doi.org/10.3390/s23115095>
4. **Ritu Dangwal** "Change Maker Life Skill Program – A Pilot Study by NIIT Foundation", International Journal of Advanced Multidisciplinary Research, Volume 10, Issue 5, 2023, [10.22192/ijamr](https://doi.org/10.22192/ijamr)
5. **Narayan Kumar, Heena Bisht**, "Identification and Characterization of Aluminium Tolerant Bacteria Isolated from Soil Contaminated by Electroplating and Automobile Waste", Nature Environment and Pollution Technology, **Vol 22, Page** 411-416, doi <https://doi.org/10.46488/NEPT.2023.v22i01.039>
6. **Ashwini Kumar**, "Chitosan-Based Drug Conjugated Nanocomposites: Advances and Innovation in Cancer Therapy", Regenerative Engineering and Translational Medicine, ISSN- 2364-4133, 2023, [10.1007/s40883-023-00310-4](https://doi.org/10.1007/s40883-023-00310-4)
7. **Ashwini Kumar**, " Prebiotics: Ignored player in the fight against cancer", Cancer Reports, ISSN- 2573-8348 (2023), [10.1002/cnr2.1870](https://doi.org/10.1002/cnr2.1870)
8. **Keerti Jain**, "An Empirical Study of Financial Performance and Capital Structure of Indian Firms", Pacific Business Review (International), **Vol. #- 16(1)**, ISSN- 0974-438X, 2023.
9. **Narayan Kumar**, "Characterization and Evaluation of the Nickelremoval Capacity of Kluyvera cryocrescens M7 Isolated from Industrial Wastes", Pollution, **Vol. #-9, Page** #-1059-1073, [10.22059/POLL.2023.347580.1586](https://doi.org/10.22059/POLL.2023.347580.1586)
10. **Vivek Srivastava**, "Ionic liquid Supported Quinuclidine Catalyzed Morita-Baylis-Hillman Reaction", Letters in Organic Chemistry, July 2023, ISSN-1570-1786, [10.2174/1570178620666230608122516](https://doi.org/10.2174/1570178620666230608122516).
11. **Vivek Srivastava**, "[BPy][OH] Immobilized Hydrotalcite Clay Catalytic System for 1,2-dihydroquinazolines Synthesis", Current Organocatalysis, July 2023 ,ISSN-2213-3372, [10.2174/2213337210666230726123919](https://doi.org/10.2174/2213337210666230726123919)
12. **Vivek Srivastava**, "Amine-Functionalized SBA-15 Mesoporous Silica-Anchored Ni Nanocatalyst for CO2 Hydrogenation Reaction", Letters in Organic Chemistry, July 2023, ISSN-1570-1786, [10.2174/1570178620666230608160836](https://doi.org/10.2174/1570178620666230608160836).
13. **Vivek Srivastava**, "Ionic Liquid Supported Organocatalysts for the Asymmetric Mannich-Type Reaction of  $\hat{I}^{\pm}$ -cyano  $\hat{I}^{\pm}$ -sulfonyl carbanions", Current Organocatalysis, July 2023, ISSN- 2213-3372, [10.2174/2213337210666230516145640](https://doi.org/10.2174/2213337210666230516145640).

14. **Vivek Srivastava**, “Continuous-flow Synthesis of Ruthenium Nanoparticles using a Microreactor for the Selective Hydrogenation Reaction”, Letters in Organic Chemistry, July 2023, ISSN- 1570-1786, [10.2174/1570178620666230606110243](https://doi.org/10.2174/1570178620666230606110243).
15. **Thota Sivasankar**, “Soil moisture estimation underneath crop cover using high incidence angle C-band Sentinel-1 SAR data”, Kuwait Journal of Science, July 2023, ISSN-2520-8195, [10.1016/j.kjs.2023.07.007](https://doi.org/10.1016/j.kjs.2023.07.007).
16. **Sushil Kalyani**, A STUDY OF FACTORS INFLUENCING USERS' PREFERENCE TOWARDS FINTECH SOLUTIONS - USING FUZZY AHP & TOPSIS TECHNIQUES European Economic Letters (ABDC C Category Journal) **Vol. 13 No. 3 (2023)**  
DOI: <https://doi.org/10.52783/eel.v13i3.473>
17. **Sushil Kalyani**, Changes of Productive Returns Against Ownership Structure ISSN: 1526-4726 Vol 3 Issue 2 (2023) Journal of Informatics Education and Research (ABDC C Category Journal)
18. **Achintya Roy**, study on utilization of a cold standby component to enhance the mean residual life function of a coherent system, Communication in statistics-theory and methods (SCI, Journal). tics- Theory and Methods DOI 10.1080/03610926.2023.2255323 Published online: 08 Sep 2023
19. **Ajay Kumar Singh**, Soong LW (2023) A Compact Mathematical Modelling for Performance Evaluation of PV Module considering Single-Diode Model. Indian Journal of Science and Technology 16(46): 4328-4338. <https://doi.org/10.17485/IJST/v16i46.1400> ISSN Print: 0974-6846 Electronic: 0974-5645 Published by Indian Society for Education and Environment
20. **Abhisek Dutta**, Kovid R.K., Drave V.A. and Bhatia M.S. (2023), "Internet of Things adoption: unpacking the role of perceived brand credibility", Global Knowledge, Memory and Communication, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/GKMC-05-2023-0160> (ABDC-Category B and Scopus Q2)
21. **Sushil Kalyani**, “Examining the Impact of Agency Issues on Corporate Performance: A Bibliometric Analysis” in the Journal of Risk and Financial Management which is a “B” category journal in the list of ABDC. **2023**, 16(12), 497; <https://doi.org/10.3390/jrfm16120497> Accepted: 15 November 2023 / Published: 28 November 2023 *J. Risk Financial Manag.* **2023**, 16(12), 497
22. **Sushil Kalyani**, “Impact of accounting information system on profitability: A perceptual study of insurance sector in India” in the Journal of Statistics and Management Systems which is a “C” category journal in the ABDC. Print ISSN: 0972-0510, Online ISSN: 2169-0014 Volume 26,2023 | Issue 7 Pages 1853–1865 | Published online: 27/11/2023 <https://doi.org/10.47974/JSMS-1213>
23. **Thota Sivasankar**, A Comparative Study and Machine Learning Enabled Efficient Classification for Multispectral Data in Agriculture” Priyanka Gupta, Shruti Kanga, Varun Narayan Mishra, Suraj Kumar Singh, Thota Sivasankar, Received 17/04/2023, Revised 15/09/2023, Accepted 17/09/2023, Published Online First 25/12/2023(Baghdad Science Journal)
24. **Ritu Dangwal**, “HiWEL Learning Stations and Confidence Levels of Underprivileged Children: Indian Context Dr. Ritu Dangwal\*, Ms. Rishika Chopra2” The International Journal of Indian Psychology ISSN 2348-5396 (Online) | ISSN: 2349-3429 (Print) Volume

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25. **Ajay Kumar Singh, Krishna Ganti and Jetendra Joshi** “Preliminary Experimental Study of Herbal Electrolyte for Future Green Battery” Journal of The Electrochemical Society, **Vol** -171, **doi-** [10.1149/1945-7111/ad3397](https://doi.org/10.1149/1945-7111/ad3397) **ISSN** -1945-7111, March 2024,
  26. **Vikas Upadhyaya, Dr. Neha Tiwari**, “Monocular Vision-Based Approach for Occlusion Detection and Handling: A Way Forward for Advanced Driver Assistance Systems” ” Journal of ‘International Journal of Intelligent Transportation Systems Research’, **Vol** -22, **Page-** 205-215, **doi-** <https://doi.org/10.1007/s13177-024-00389-1> **ISSN** -1348-8503, February 2024,
  27. **Sachin Pathak, Anuradha Sharma** “On the hulls of cyclic codes of oddly even length over  $Z_4$ ” Journal of Discrete Mathematics” **Vol** 347, **doi-**[10.1016/j.disc.2023.113796](https://doi.org/10.1016/j.disc.2023.113796) **ISSN-** 0012-365X, March 2024
  28. **Anirban Das, Navlika Singh, Suchetana Chakraborty** “UniPreCIS: A data preprocessing solution for collocated services on shared IoT “ Journal of Future Generation Computer Systems **Vol.-** 153 **Page-** 543-557 **doi-** <https://doi.org/10.1016/j.future.2023.11.029> **ISSN-** 0167-739X , April 2024
  29. **Sushil Kalyani, Rima Mondal** “Is ESG disclosure creating value propositions for the firms? an SLR and meta-analysis of how ESG affects the financials of a firm” Journal of Corporate Ownership & Control (ABDC B), **doi** <https://doi.org/10.22495/cocv21i1art9>, February 2024

## Conference Presentation

1. **Rosy Chadha, G Shreyan Shalom, Vivek Kumar Anand; Agam Goel**, "A Study on Exploit Development", 2022 7th International Conference on Computing, Communication and Security (ICCCS), [10.1109/ICCCS55188.2022.10079387](https://doi.org/10.1109/ICCCS55188.2022.10079387)
2. **Vivek Kumar Anand, Karunesh, Bamanjogi, Aryan Raj Shaw; Mahak Faheem**, “Comparative Study of Ransomwares”, 2022 7th International Conference on Computing, Communication and Security (ICCCS), [10.1109/ICCCS55188.2022.10079369](https://doi.org/10.1109/ICCCS55188.2022.10079369)
3. **Md Yusuf Khalil, Vivek Kumar Anand, Antarlina Paul, Rahul Grover**, "PDF Malware Analysis", 2022 7th International Conference on Computing, Communication and Security (ICCCS), [10.1109/ICCCS55188.2022.10079419](https://doi.org/10.1109/ICCCS55188.2022.10079419)
4. **L. Gomathi, Anand Kumar Mishra, Amit Kumar Tyagi** “Industry 5.0 for Healthcare 5.0: Opportunities, Challenges and Future Research Possibilities”, April 2023, 7th International Conference on Trends in Electronics and Informatics (ICOEI 2023), [10.1109/ICOEI56765.2023.10125660](https://doi.org/10.1109/ICOEI56765.2023.10125660)
5. **Keerti Jain**, “Analysing Employees’ perception towards Work Life Balance for Holistic Human Capital Management”, 2nd International Conference in Humanities & Social Sciences, Management and Educational Technology (Entente 2022) held year 2023.
6. **Narayan Kumar, Heena Bisht**, “Study on the bioremediation potential of Ni by *Kluyvera cryocrescens* M7”, 3rd International Convention on Green Environment, Technology & Entrepreneurship through Innovation, Aug 2023.
7. **Achintya Roy**, Development of an interactive web-based geovisual analytics platform for analysing crime data, IEEE Symposium on Wireless Technology & Applications (ISWTA) 2023 DOI: 10.1109/ISWTA58588.2023.10249483

8. **Ashwini Kumar**, Molecular Docking Study of Arjunolic acid and Arjunic Acid with Urease Enzyme in *Klebsiella pneumoniae*
9. **Anirban Das, Argha Sen, Swadhin Pradhan, Sandip Chakraborty** “Continuous Multi-user Activity Tracking via Room-Scale mmWave Sensing ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN) Hong Kong, China May 2024
10. **Swakangkha Gosh**, International Geoscience Education Organisation, Italian Association of Volcanology The National Institute of Astrophysics International Mineralogical Association etc. “European Geoscience Union General Assembly April 2024”
11. **Deepta Batra, Niyati Alpesh Kalaria and Keerti Jain**“ A predicative Model for Heart Disease Advancing Understanding and Prognosis “ Microbial Innovation & Challenges Opportunities for sustainability Graphic ERA University MICROS 2024 “May 2024
12. **Vivek Kumar Anand**, " International Conference on Intelligent Systems for Cybersecurity (ISCS) DST-SERB, IEEE International Conference Northcap University Gurugram “ May 2024

### Book Chapter

- a. **Ajay Kumar Singh**, “Plant Base Renewable Energy to Power Nanoscale Sensors”, Nanogenerators and Self-Powered Systems, May 2023, ISBN-978-1-80356-255-1, 10.5772/intechopen.100679.
- b. **Sushil Kalyani** New Horizons in Finance and Banking Sector.
- c. **Ashwini Kumar**, Tissue Engineering and Regenerative Medicine-Based Strategies For COVID-19 Treatment (In Press; Springer)
- d. **Abhisek Dutta**, Kovid R.K., Gupta M., Sijaria R. (2023). Smart Homes Technologies Adoption: Effect of Social Trust and Risk Perception. In: Bexheti, A., Abazi-Alili, H., Dana, LP., Ramadani, V., Caputo, A. (eds) Economic Recovery, Consolidation, and Sustainable Growth. ISCBE 2023. Springer Proceedings in Business and Economics. Springer, Cham. [https://doi.org/10.1007/978-3-031-42511-0\\_47](https://doi.org/10.1007/978-3-031-42511-0_47) (Springer Publication
- e. **Ashwini Kumar**, Loading and release of insulin from chitosan oligosaccharide biopolymeric patch for or mucosal delivery. Chem. Pap. (2023). <https://doi.org/10.1007/s11696-023-03239-8> Published 16 December 2023 (In Press; Springer)
- f. **Anand Kumar Mishra, V. Hemamalini, Amit Kumar Tyagi**, “Conversational Artificial Intelligence” Digital Forensics with Emerging Technologies - Vision and Research Potential for Future, **Name of Publisher** John Wiley&Sons, Inc., **Page-** 675-697 doi <https://doi.org/10.1002/9781394200801.ch37> **ISBN** -9781394200801, January 2024



## Patent Publication

- 1 **Ajay Kumar Singh, Jetendra joshi**, “Stabilizing Harvested Electrical Potential from Aloe vera gel using Ayurvedic Electrolyte”, 202311028354A, Published Dated 21/07/2023.
- 2 **Ajay Kumar Singh, Jetendra joshi**, “Green Regenerative Herbal Battery: Next generation Electrical Energy” 202311041835A, Published Dated 19/05/23.
- 3 **Neha Tiwari, Vikas Upadhyaya, Dr Yash Tiwari, Mr Sanjay Kumar Rai, Mohd Nadeem, Masood Ahmad Prerakkumar Amrutlal Patel, Chinmayaaloor, Dr Ritu Gautam, Patrik Viktor Monika Garai-Fodor** “A method for developing and implementing a cyber security plan” patent No. 202321066048, Gov. of India, 5/1/2024
- 4 **Kumar Nitesh, Arushi Mittal, Vishal Sahu, Chirag Bhatnagar** “Prevention of Shoulder Surfing with the use of Graphical Password Authentication” patent No. 202211045620, Gov. of India, 2/16/2024

## 14. Students’ Achievements

1. **Parth Madan and Palak Sahu** (representing Team ECONOLSIGHTS) were declared Winners in the “**IBM Hack Challenge 2023**” at Bangalore.
2. **Ms. Sakshee Vinay Maharaj, Ms. Sruti Subramanian, and Ms. Sakshi Jain** (all 2020 Batch) presented a poster titled “Molecular Docking Study of Arjunolic acid and Arjunic Acid with Urease Enzyme in Klebsiella Pneumoniae” at the **International Conference on Structure Biology and Drug Discovery (October 10-12, 2023) at Gautam Buddha University**, Greater Noida, India. This was a minor component of their ongoing work on drug discovery.
3. “**Voice of BT**” competition was organised by ABLE on 13 Oct at **Amity University Noida** for North Zone. In this competition, selected participants were provided three topics to prepare a day before competition and were allotted one out of those three at the site where three participants were finally selected. **Ms. Sakshee Vinay Maharaj stood 2<sup>nd</sup> among all the participants.**  
She is likely to be invited for the finals at Bengaluru, where selected participants from all zones will participate.
4. **Ms Ritupriya Chakraborty** of 2022 Batch has secured ‘**FIRST Position**’ in ‘**Online Kathak Nritya Competition**’ at the ‘**Great Indian Festival**’ held in **Ottawa (Canada)**. She emerged winner among 2500+ students from all over the World.
5. At the ‘**G D Goenka Shooting Competition Gurgaon**’ held in Sep 2023 our budding shooters of the newly created ‘Shooting Club’ performed commendably under different pistol shooting categories:
  - a. **Prachi Bharti**: 4<sup>th</sup> Position (339/400).
  - b. **Siddhant Goel**: 6<sup>th</sup> Position (352/400).
  - c. **Jay Juneja**: 12<sup>th</sup> Position (335/400).
  - d. **Suryansh Khare**: 16<sup>th</sup> Position (562/600).
6. **Kritik Prabhakar** (2020 Batch) from ‘**NU KAVISHALA**’ bagged the First position the “Lend Me your Ears” competition at ‘**PULSE AIIMS Delhi Fest**’ on 16 Sep 2023, with a cash prize of Rs. 3,000/-.
7. Our alum **Harsh Parmar** (2018 Batch) has achieved a great accomplishment at IBM. He was awarded a cash prize worth 125k ₹ **for filing a patent** as the inventor. To add to his accolades, he also received a certificate signed by IBM CEO Arvind Krishna.

8. **Krishna Routh (2021 Batch)** of NU VERISMO (Music Club) won the First Prize in Solo Singing at LNMIT Jaipur Fest. **Sakshi Prasad (2023 Batch)** came 5<sup>th</sup> in the same competition.
9. The **Girls TT Team** was **Runners Up** in the Inter University TT Tournament held at LNMIIT Jaipur, losing in the finals to Kirori Mal College Delhi.
10. **NU RANGMANCH** (Theatre Club) was declared **Winner** at 'Youth for Quality Bharat Festival', held at Bharat Mandapam New Delhi for their street play 'Viksit Bharat' and was interviewed by the NDTV Team.
11. **Youth for Quality Bharat Festival' 07 Feb 2024:** 27 Students and 3 faculty members participated in the Festival at Bharat Mandapam New Delhi on 07 Feb. NU Rangmanch team bagged the 'Winners' Prize in the Nukkad Natak, at the "YQBF" activity of 'Rashtriya Gunvatta Pakhwada'. The team received the award from Dr. A. Raj, CEO-NBQP, QCI.

## 15. Co-Curricular & Extra-Curricular Activities

Cultural Events and festivals are celebrated every year with much fervour and enthusiasm at NU. Throughout the year, various competitions like Rangoli Competition, Kite-Flying Competition, Mobile Photo Competition, Face Painting Competition, Water Colour Painting Competition, Inter House Chess Tournament, NUPL Season 12, the Cricket League of NU and Street Plays were organised with high spirits and fun. The activities such as Resonance-the Head-Start Programme, Celebration of Republic Day, Independence Day & Teachers Day, overnight Adventure Camp, Painting Workshop, Blood Donation Camp, etc. kept the campus buzzing with life and energy. The intellectual activities like Business Quiz, India Quiz, Environment Quiz, Inter-House Debate Competition, and Public Speaking Seminars were also conducted. Dance and Music classes are held on regular basis.



## 16. Campus Development

I. **Project:** - WTP (Water Treatment Plant) 250KL / Regeneration.

**Location:** -UG Pump Room (Basketball)

**Date of start:** -08-12-2023.

**Date of completion:** -18-12-2023.

**Benefits:** - With the new plant we are able to supply treated water for domestic use (less than 20 PPM).

Photographs: -



WTP - (Water treatment Plant – 250/ Regeneration)

**II. Project:** - Dumbwaiter (Capacity- 250 KG)

**Location:** - Mess Kitchen Art

**Date of start:** -31-07-2023

**Date of completion:** -18-08-2023

**Benefits:** - Movement of Food and other material is now easy and safe from Kitchen to Mess Serving area.

Photographs: -



Dumbwaiter Capacity 250KG

**III. Project:** - RECD (Retrofit Emission Control Device) For 1500KVA DG.

**Location:** - HT Yard.

**Date of start:** - 28-11-2023.

**Date of completion:** - 12-01-2024.

**Background:** - As per Direction no 68 by Commission of Air Quality Management, New Delhi DG Set need to be fitted with RECD or with dual fuel kit for continuing to be used in case of power failure. We have opted for RECD installation for our existing DG set.

**Benefits:** - We are complying as per the Government order and there is reduction of Air pollution by more than 70% from existing levels.

Photographs: -



RECD FOR 1500 KVA DG.

#### **IV. Project: - Laundry Extension**

**Location:** - Existing Laundry Area.

**Date of start:** - 21-11-2023

**Date of completion:** - 12-01-2024.

**Background:** - There is an increase in the load of laundry service due to ILP batch students, the existing laundry setup area needs to be extended to cater the additional load by installing new machines.

**Benefits:** - There is an increase in laundry machines which can cater for the additional number of students.

Photographs: -



Laundry Extension



**V. Project:** - HDPE Pipeline work.

**Location:** - For PG-1 & PG-2.

**Date of start:** - 19-02-2024.

**Date of completion:** - 22-03-2024.

**Background:** - There is ring main for supplying the water to the overhead tank of each building, the tallest buildings are PG-1 & PG-2 hostels, where the tank filling takes lot of time due to common header, to avoid this situation a separate dedicated pipeline needs to be laid for PG-1 & PG-2 hostel building.

**Benefits:** - Separate line can provide water to overhead tank of PG-1 & PG-2 hostel without any problem, there are less chances of failure of old line as the header pressure is reduced.

Photographs:-



New HDPE pipeline work for PG-1 & PG-2 hostel

**VI. Project:** - SS Solar Water Tank (2500 Ltr)

**Location:** - UG-2 Terrace.

**Date of start:** - 24-09-2023.

**Date of completion:** - 13-10-2023.

**Background:** - For providing hot water (Bathing) to hostel building, there are solar water heaters with MS tank, due to wear and tear these tanks need to be replaced to continue providing hot water. The hot water tank was replaced with SS Tank.

**Benefits:** - New MS Tank is installed for trouble free operation, enhancing life due to SS material.

Photographs: -



New SS Tanks for UG-2 Hostel

**VII. Project:** - DH-4 Flooring work.

**Location:** - Beside DH-1

**Date of start:** - 21-11-2023.

**Date of completion:** - 26-11-2023.

**Background:** - There is a shortage of space in the Dining Hall due to the increase in strength of ILP students, a temporary dining hall space proposed under the new dining hall.

**Benefits:** - There is an increase of 120 sitting capacity with DH-4 work.

Photographs: -



Flooring work of DH-4



**VIII. Project:** - Dining Tables for Dining Hall

**Location:** - Dining Halls

**Date of start:** - 20.01.2024

**Date of completion:** - 28.01.2024

**Background:** - There is a shortage of dining tables in Dining Hall due to increase in strength of ILP students, additional dining hall tables are proposed to cater for the extra load of students.

**Benefits:** - There is an increase of 100 sitting capacity with additional dining tables.

Photographs: -



New Dining Tables for Dining Halls.



**IX. Project:** - Electromagnetic flow meter 50mm

**Location:** - Borewells

**Date of start:** - 03.12.2023

**Date of completion:** - 04.12.2023 -

**Background:** - As per the requirement of CGWA (Central Ground Water Authority), the borewell data needs to be continuously monitored by the Authority, so new flow meters with telemetry facilities are installed on our existing borewells.

**Benefits:** -With Telemetry Flow meter the Water extraction data is available online, can be monitored and we are in compliance with the direction of Authority.

Photographs: -



Electromagnetic Flow Meter with Telemetry

**X. Project:** - Telemetric Piezometer

**Location:** - Bowl Area.

**Date of start:** - 03.12.2023

**Date of completion:** - 04.12.2023 -

**Background:** - As per the requirement of CGWA (Central Ground Water Authority), the water table data needs to be continuously monitored by the Authority, so a new piezometer with telemetry facility is installed on our existing borewell.

**Benefits:** - With Telemetry Flow meter the Water table data is available online, can be monitored and we are in compliance with the direction of Authority.

Photographs: -



Telemetric Piezometer

**XI. Project:** - 250 LPH RO PLANT

**Location:** - UG-1

**Date of start:** 16-02-2024.

**Date of completion:** - 17-02-2024

**Background:** - Existing RO is not able to provide sufficient quantity of drinking water in Hostel UG-1 T-2 due to increase of ILP students, so a new RO plant is proposed to cater the additional load.

**Benefits:** - New RO plant is sufficient to take additional load of drinking water.

- Photographs:



250 LPH RO PLANT



250 LPH RO PLANT

**17. Details of Sports Activities during April 2023 – March 2024 are given below.**

<b>Month</b>	<b>Tournament Name</b>
25 to 27 Aug,2023	Table Tennis Inter Batch
29 to 31 Aug,2023	Pool Inter Batch
8 to 10 Sep, 2023	Chess Inter Batch
23 to 24 Sept,2023	Power Lifting Competition Inter Batch
6 to 8 Oct,2023	Football Inter Batch
13 to 15 Oct,2023	Kabaddi Inter Batch
3 o 5 Nov,2023	Basketball Inter Batch
17 to 19 Nov,2023	Badminton Inter Batch
1 to 3 Dec,2023	Cricket Inter Batch
12 to 14 Jan,2024	T.T. Inter House
19 to 21 Jan,2024	Pool Inter House
26 to 28 Jan,2024	Chess Inter House
9 to 11 Feb,2024	Football Inter House
23 to 25 Feb,2024	Badminton Inter House
26to 28 Feb,2024	Basketball Inter House
1 to 3 March,2024	Cricket Inter House
09 to 10 March 2024	Athletics Inter House Competition
15 to 17 March 2024	Volleyball Inter House
13 and 14 April,2024	Yoga Inter House
26 to 28 April 2024	Kabaddi Inter House



### Achievement in the Inter College Tournament:

**Table Tennis: (Joyee, Chhavi, Shreeya)** Won silver medal in the women's table tennis tournament in LMNIT- Jaipur.

**Tale Tennis: (Joyee, Chhavi, Shreeya)** Secured 1st position in the Women's Table Tennis in the BML Munjal during Friendly Match.

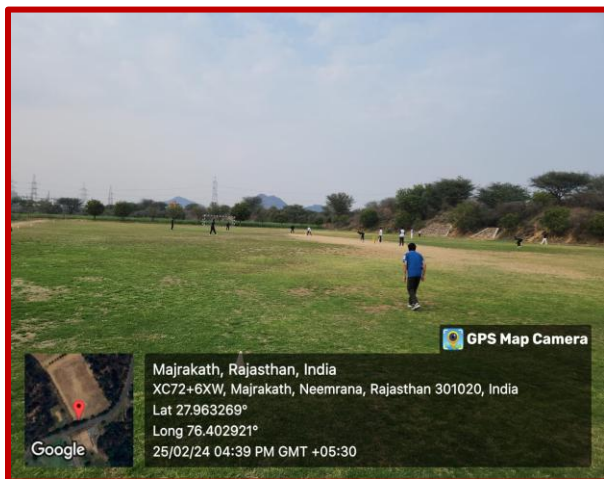
**Tale Tennis: Joyee Hriday:** Won 2<sup>nd</sup> Position in the GD Goenka University in the Sports Fest.

**Badminton: Shubham Ghosh:** Secured 1<sup>st</sup> position in the Badminton open Tournament.

**Shubham Ghosh:** 2<sup>nd</sup> Position in the Indo Nepal Championship.

**Shooting: Suryansh Khare (2021 Batch)** has secured **All India Rank 59<sup>th</sup>**, representing **M.P State**, with a score of **567/600**.

### Images of Matches





**Inter-house Yoga Tournament:**



**Inter-house Kabaddi Tournament:**





### **Inter-house Athletics Meet:**



### **Inter-house Badminton tournament:**



## 18. Challenges Ahead

The University has made significant strides in various domains and remains steadfast in its pursuit of excellence. Guided by its core principles, the University inspires its community of students, faculty, and staff to embrace their roles as responsible citizens, capable of driving positive change and contributing to sustainable development. The rapid evolution of technology and business demands underscores the importance of adaptability in curriculum design and delivery. Balancing emerging disciplines such as Cybersecurity, Analytics, and Artificial Intelligence with essential fields like sustainable development, ethics, environmental studies, and public policy presents a complex challenge that requires thoughtful and meticulous attention.

### CONTACTS

University Campus	Admissions Office
NIIT University Neemrana NH-8 Delhi-Jaipur Highway District Alwar Rajasthan – 301705	NIIT University Admissions Office NIIT Building Plot No. 85, 1st Floor Sec – 32, Institutional Area, Gurugram – 122001

Dr. Shivendra Mathur  
Registrar  
NIIT University, Neemrana  
Ph. No. 01494-660620, 660619  
Email Id: Registrar@niituniversity.in