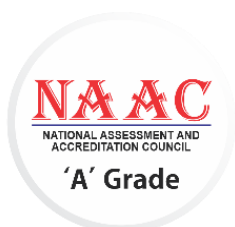




Department
of
Electronics and Communication Engineering



SAMPRESHAN
THE NEWSLETTER
Volume 1. Issue 2. Apr-Jun 2022



ACCREDITED AS "GRADE A"
3.23 | HIGHEST IN UP



CSE | ECE | ME | BT
IT | B. PHARM | MBA | MCA



43rd RANK IN PHARMACY
171th RANK IN ENGG.



AWARDED WITH "DIAMOND"
BY QS I GAUGE (ENGG.)

INSTITUTIONAL ACHIEVEMENTS
NIRF RANKING 2023

A pioneering spirit that breaks boundaries

NIET is the first private institute in Uttar Pradesh to achieve an autonomous status by UGC

We are committed to providing quality education and nurturing our students' talents

to attain skills that support the new possibilities, innovations, and opportunities that lie ahead



We are humbled to announce our massive improvement in the NIRF Ranking 2023. Thank you to our incredible students, dedicated faculties, and hardworking staff for helping us achieve a higher NIRF Ranking!

nirf NATIONAL INSTITUTIONAL RANKING FRAMEWORK

शिक्षा मंत्रालय
MINISTRY OF EDUCATION
Government of India

NIET
Greater Noida
GET FUTURE-READY
Estd. 2001
AN AUTONOMOUS INSTITUTE

NIRF RANKING 2023

**NOIDA INSTITUTE OF ENGG. & TECHNOLOGY
GREATER NOIDA**

**RANKED
AMONG TOP
50
IN INDIA**

**Among Pharmacy
Institute**

**RANK BAND
101-150
IN INDIA**

**Among Engineering
Institute**

Thank you all NIETians, Faculties, Staff & Well wishers

THINK PLACEMENT, THINK NIET

EXTRAORDINARY LEADERSHIP AWARD

We are proud to announce that NIET, Greater Noida has secured 4th rank in India & 1st rank in Uttar Pradesh under the category of 'Extraordinary Leadership' in the Education World Grand Jury India Education Ranking 2023-24.

Congratulations!

for securing

4th rank in India for

**EXTRAORDINARY
LEADERSHIP**

By the **Education World** Grand Jury India
Education Ranking **2023-24**

**UTTAR PRADESH
1st RANK**



39th Rank in Pharmacy
145th rank in NIET Engg. Institute



NBA Accredited
(CSE, ECE, ME, IT, Biotechnology,
B.Pharm, MBA & MCA)



NAAC 'A' (Grade 3.23)
Accredited

THINK PLACEMENT, THINK NIET

Greetings from NIET Management



Dr. Om Prakash Agarwal
Raman Batra

Managing Director
Vice President



Dr. Neema Agarwal

Additional Managing Director



Mr.

Executive

Welcome to the new Newsletter of Department of Electronics and Communication NIET, Greater Noida. The fact of launching the "Sampreshan"-2k23 edition by the faculty, staff and students of ECE department of Noida Institute of Engineering and Technology gives me immense pleasure. It is indeed a matter of pride and satisfaction having this newsletter which showcases the progress in the areas of academic, extracurricular, faculty and students' achievements of the department. "Sampreshan"-2k23 is focused on all sorts of activities undertaken by a department and opens the opportunity to enhance the writing skills among the members. This will not only benefit the students with the information of their departmental achievements but also motivate and aspire others to know the heights achieved by the ECE department. I congratulate the Editorial Board of this Newsletter who have played a wonderful role in accomplishing the task in record time.

Also, my heartfelt congratulations to staff members and students for their fruitful effort.

Wishing you All the Best!

Message from Director

Dr. Vinod Mansiram Kapse



It is a great pleasure for me to know that Department of Electronics & Communication Engineering of Noida Institute of Engineering and Technology is going to publish their departmental Newsletter "Sampreshan"-2k23 to explore the activities of the department. I do hope this will cultivate and inspire all the faculty, staffs and students and education lovers . I wish its successful propagation.

My heartiest Congratulation to all SAMPRESHAN Team for successful releasing of Volume-2, Issues-1 of 2k23 and Best wishes for SAMRTESEHAN Volume-2 for the 2k23.

I am very happy that our Electronics & Communication **Department** is releasing Volume-2, Issues-1 of 2k23 of 'SAMPRESHAN' as a forerunner of department activities. It is a technical



platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well qualified and dedicated faculties who are continuously supporting the students for their academic excellence. We have arranged several industrial visits and workshops for our 2nd, 3rd and 4th year students in this semester. let us work together for the continuity of this achievement. I take this opportunity to congratulate our faculties.

My warm wishes to SAMPRESHAN editor team to their efforts for successful completion of 2023, Volume-2, Issues-1 newsletter and the Best Wishes for the next.

DEPARTMENTAL EVENT

WINTER TRAINING SCHOOL at NIET (2 JAN 2023)

Applications of ARM Processor & Controller in Various Domains

Enthusiastic students of the department of Electronics and Communication engineering utilize the additional facilities beyond their curriculum programs during their winter vacation. It provides them various industry aspects for their career. Department of Electronics & Communication Engineering organizes One Week Advanced Facility Workshop on "Applications of ARM Processor & Controller in Various Domains" from 2nd January 2023 to 6th January 2023 Under Winter Training School.

The objective of this workshop was to acquaint the participants with to understand the state of art in ARM Processor based Embedded System design. The student will be able to do programming in embedded programming in C, C++. Also, students were made aware about industries and optimum career opportunities in the various domain of ECE through Innovative ideas.

The event was highly focused on encouraging the young students and to develop innovative and creative thinking in the field of IoT & Embedded Systems using ARM processor & controller. By this workshop, students will be able to grasp a overall knowledge about System on Chip (SoC), Signal processing, IoT & finally embedded system. Students get benefited by practical exposure of Arduino Uno, 8051 microcontroller & MSP430 microcontroller. Students get a exposure of software as well as hardware.

Department of Electronics & Communication Engineering

Organises

ONE WEEK WORKSHOP"

ON

"Applications of ARM processor & controller in various domain"

(02 January 2023 to 06 January 2023)

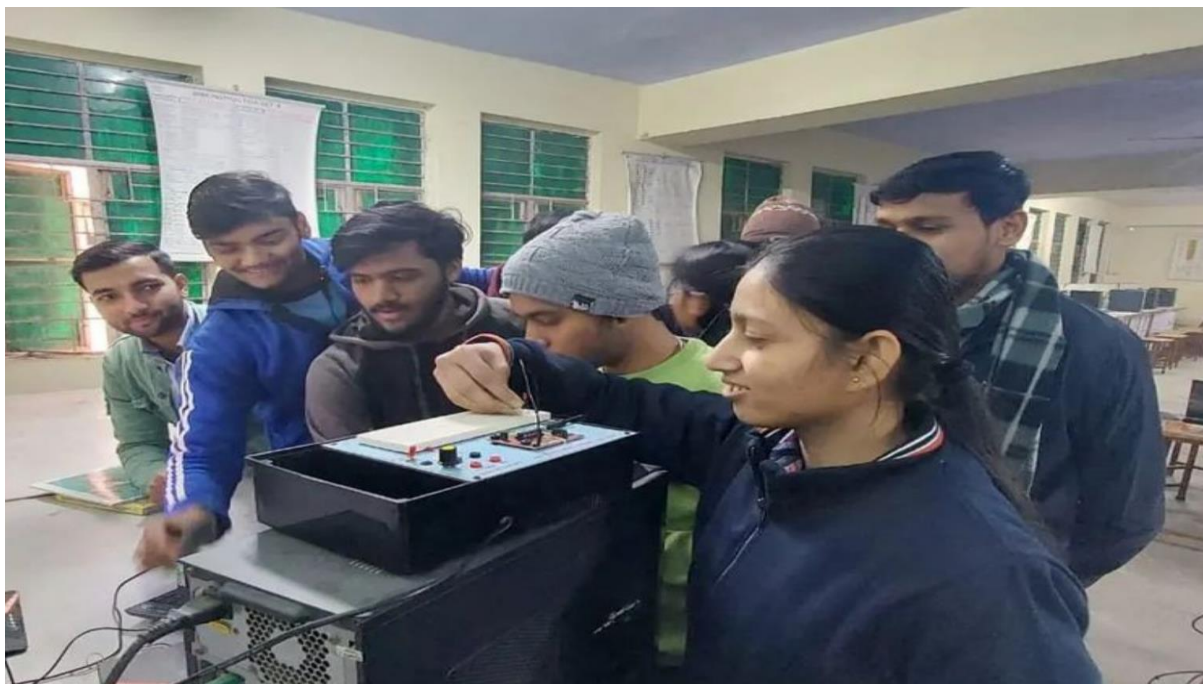
**Under
Winter training school**

**NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY,
Greater Noida**









A DAY FOR THEM by WE CARE CLUB at RAINBOW SCHOOL, NIET, 28 JAN 2023

We celebrated the birthday of the members of the club at the school and the aim was to perform social awareness activities with the kids of the school. Kids got to know about keeping environment safe.

1. Kids knew about the concept of 3R (Reuse, Recycle, Reduce)
2. Kids were happy to celebrate the birthday of their seniors.
3. Personality development of the kids were boosted.
4. We Conducted several fun & social awareness activities such as storytelling ,poster making , racing , musical chair etc.

Stationary gifts such as number posters, Cursive writing book, Painting book , colours ,Copies ,etc. were given to around 100+ kids of the school.

GGC presented plants & handmade products to HoD ,ECE & faculty members.







Two days Science and Engineering Competition “Anveshana” at Pragati Maidan (9-10 Feb 2023)

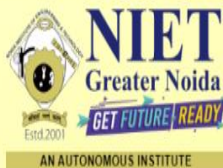
PROJECT EXHIBITION

"Novel Strategies and Innovative technologies in Waste Management for a Sustainable Development" under Anveshana Science and Engineering fair 2022-23 on 9th and 10 February 2023 at National Science Center, Pragati Maidan

Two teams of final year ECE students along with their mentors represented NIET in the National level Science and Engineering fest "Anveshana" organized by Agastya International Foundation and Synopsys under the theme "Novel Strategies and Innovative technologies in Waste Management for a Sustainable Development" under Anveshana Science and Engineering fair 2022-23 on 9th and 10 February 2023 at National Science Center, Pragati Maidan, Delhi. These students also mentored the school students to participate in the model presentation events in the ceremony. We are proud of them.

The objective of this event was to develop innovation and creativity among students from engineering colleges and nearby disadvantaged schools in Hyderabad and Karnataka and to facilitate process of mentoring between engineering students and school students while they plan, design and make the models together

Benefit in terms of learning/Skill/Knowledge obtained Expected to create ideas for over 100 models of which about 40 would be short listed for final prototyping and evaluation
200 School Students will undergo direct training in model making thus improving their design, conceptualizing and leadership skills. In addition will receive training in soft skills viz. Teamwork, Communication, thus improving their confidence level.



Department of Electronics & Communication
Engineering



synopsys



**Noida Institute of Engineering and Technology, Greater Noida, UP
&**

CRS Inter College, Noida, UP

Presents

Design of RC Ornithopter for surveillance

NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY (NIET)
19, Knowledge Park-II, Institutional Area, Greater Noida-201306, UP



Department of Electronics & Communication
Engineering



synopsys



**Noida Institute of Engineering and Technology, Greater Noida, UP
&**

CRS Inter College, Noida, UP

Presents

Gesture controlled devices

NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY (NIET)
19, Knowledge Park-II, Institutional Area, Greater Noida-201306, UP









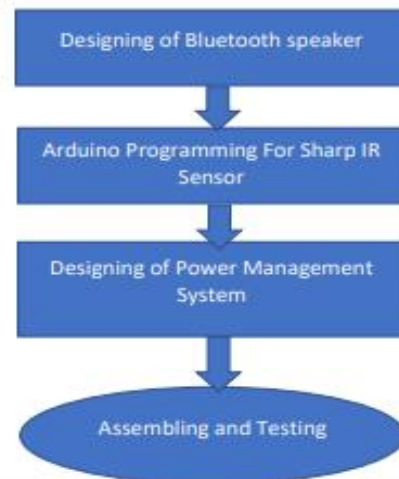
GESTURE CONTROLLED DEVICES



OBJECTIVE:

Our project replaces the use of primitive interface such as buttons and switches that were predominant in the past. It is a technology that makes the use of sensors to sense and understand hand movements as instructions and commands that allows the users to virtually control the device functioning. The tools used in this project are sharp IR sensor to determine the hand movement to implement the functions of the music system such as on/ off, volume up/ down, next song/ previous song, Arduino uno to receive the command and respond accordingly via Bluetooth enabled speakers

Flow Chart



CONCLUSION: This project leads to technical advancement of the wirelessly controlled devices. And users will be able to communicate with their Bluetooth speakers instead of traditional tools like buttons and switches. The device cuts cost, making a device very cost effective. The system can be made more reliable by using more sensitive sensor thus introducing more gesture leading to innovation of new devices.

INTRODUCTION

An ornithopter from Greek ornithos stands for "bird" and pteron for "wing" is an aircraft that flies by flapping its wings. Designers seek to imitate the flapping-wing flight of birds i.e., N-chia. Natural leaflets such as birds and insects captivate the mind Historical human inventor. Lightness and elegance They take the air far beyond the cutting edge of technology Aircraft and their control systems. don't mean that Modern aircraft design is ineffective and superior I respect you very much. Propellers and turbines are very efficient Streamlining the Air Impulse Sheet Manufacturing Process climb. Boeing 747 enables dimensionless transportation costs 0.1 of (energy consumption divided by weight x distance), Incredible performance rivalling that of a flying albatross I can count, but Albatross. Interested in ornithopter design and control field of interest Small aircraft or MAV, those little flying machines It has captured the imagination of many as an ideal platform for Various operations such as tracking and monitoring systems Where a small swarm of agents was inconspicuous They have better access to confined areas than larger aircraft.

Working methods include gear ratios and flap rate. They differ during lifting, model progress. Other conditions Wind speed during flight, rain, etc. Location. These models have some problems. From The model's autonomous flight control is still in its infancy. From The issue you encountered may be due to flight non-linearity Sample. As there are few actuators for its movement, the number Checking possible functions is not easy.

BLOCK DIAGRAM

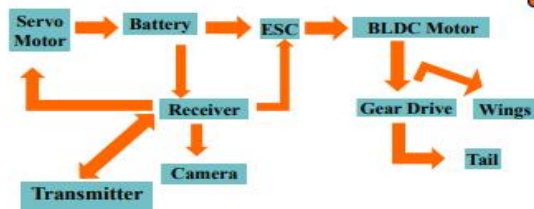


Figure 1: Block Diagram Of Ornithopter

HARDWARE CONNECTION

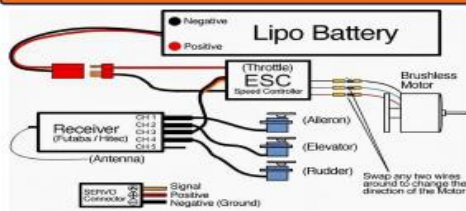


Figure 2: Hardware connections on the RC Ornithopter

WORKING METHODOLOGY

Designing of Gearbox

Designing of Frame Body, Tail, and Wings

Hardware Required:

- Brushless Motor
- ESC
- Li-Po Battery
- Servo Motor
- Camera
- Transmitter & Receiver

Assembling

Testing of Prototype

Figure 3: Working methodology

MODEL OF N-CHIA



Figure 4: Proposed Prototype

CONCLUSIONS

An attempt has been made to systematically design, analyze, build, and fly a prototype RC Bird plane. The team gained an understanding of the fundamentals of aircraft design, engineering, constructing, and testing through this project. The team also could learn aircraft technology fundamentals and use design and analysis tools. The initiative gave a multidisciplinary team the chance to collaborate and comprehend the interactions. The majority of the Designing and Electronic aspects are covered in the papers, which could be quite helpful for beginners.

REFERENCE

- Vaishnavi Chakradeo, Riya Jadhav, Kalyani Deshmukh, and Madhura Mitkari "Design, development, analytical study and performance analysis of a prototype of ornithopter", 6th International conference on Intelligent Technologies Singapore, 17-19 December 2021.



EXTEMPORE by Codetronics 25 FEB 2023

This event was conducted to evaluate and judge a person's speaking ability, the flow of their thoughts, and the way they communicate their ideas. An approach to practice the communication and time management skills.

The event was highly focused on encouraging the young students to develop innovative and creative thinking. It encourages students to think quickly and creatively. Students actively participated in the event with their extraordinary thoughts and express their ideas with each other.

At the end of the event there were two winners selected by the judge and the event was full of energy.

Department Of Electronics & Communication Engineering

ORGANIZES
EXTEMPORE



SATURDAY
FEBRUARY 25



TIME
2:00 PM



VENUE
512 B ,NIET

- Participants are allowed to participate in pair of two students per team.

FACULTY COORDINATORS

Ms. Kanika Jindal(A.P. ,ECE)
Ms. Khushboo(A.P. ,ECE)

Scan to register:-



<https://bit.ly/3XDD1Nw>

STUDENT COORDINATORS

- Kartik Chandra
- ☎ +919953340202
- Neeraj Mahto
- Ashutosh Kumar
- Nidhi Singh







HOLI CELEBRATION IN ECE DEPARTMENT at NIET

Glimpse of Holi celebration in Department of Electronics and Communication Engineering

Holi is a colorful and vibrant celebration of love, unity, and the power of good over evil. ECE department celebrated Holi with great enthusiasm and joy. The department was decorated with colorful banners, balloons, and streamers to create a festive atmosphere. It was ensured that the colors used were safe and non-toxic. The celebrations kick started with sharing of sweets. Cultural programs and Charity drive was organized to showcase the spirit of Holi. Faculty members participated in the event with full enthusiasm.

While playing with colors, everyone also danced to the Hindi tunes of Holi which was being played loud enough at the playground so that everyone outdoor could rejoice.

Wonderful and memorable photographs were taken from the event.





s

WORLD ENGINEER'S DAY CELEBRATION at NIET by ECE Dept., 3 March 2023

PROJECT EXHIBITION

“Young minds are the greatest innovators”,

Department of Electronics and Communication Engineering conducted a final year students Project Exhibition. There were number of projects of various fields like Cloud Computing, Big Data Analysis, Image Processing, Network Security, Data Mining, Android Applications, RASPBERRY PI, Wireless Sensor Networks, E-Governance, Robotics, Web-services, E-Commerce, Mobile Applications, ERP and Healthcare. Students of Department of ECE , NIET have come up with innovative and socially relevant projects expected to provide a breakthrough in electrical and allied domains.

Major objective of organizing this exhibition was to provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the Final Year either as Industry Defined Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning experience.

The outcome of the Project Exhibition is to show student's innovative project at higher level and the process boosted their confidence.









GRAND LAUNCHING OF AEROBOTS, by ECE DEPT.,17 March 2013

A new club has been introduced by ECE Department “AEROBOTS”. AEROBOTS, specially dedicated toward learning and making other people learn about Drone Technology. Aerobots allows students to apply theoretical knowledge in meaningful practical applications. Students develop their non-technical skills through various activities such as drone carnivals, Workshops, competitions and collaboration with other clubs. With the objective of encouraging students to obtain sound knowledge in the fields of modern engineering applications Aerobots is established.

The club aims to technically strengthen the students by integrating their skills in the various fields of Engineering & technology, to cope up with the highly competitive environment. This club is introduced so that student may take advantage of this club in gaining knowledge about new technology and enhancing their skills.

On the occasion of the launching of this new club, all members of his club including faculty and students were present along with the faculty of the department.

All year students were invited to join us on this occasion.



AEROBOTS

-WHERE INNOVATION TAKES FLIGHT-



NIET
Greater Noida
GET FUTURE READY
AN AUTONOMOUS INSTITUTE



AEROBOTS



AICTE
IDEALab

GRAND LAUNCHING OF AEROBOTS BY

Department of ECE



The poster has a gradient background transitioning from dark blue at the top to light yellow at the bottom. At the top left is the NIET Greater Noida logo with the tagline 'GET FUTURE READY' and 'AN AUTONOMOUS INSTITUTE'. In the top center is the Aerobots logo (eagle with drone wings) and the word 'AEROBOTS'. At the top right is the AICTE IDEALab logo. The main text 'GRAND LAUNCHING OF AEROBOTS BY' is in large, bold, pink and green letters. Below it, 'Department of ECE' is written in a white, italicized serif font. At the bottom left is a yellow and red quadcopter drone, and at the bottom right is a blue and silver robotic hand.



NIET
Greater Noida
GET FUTURE READY

AN AUTONOMOUS INSTITUTE



YOU ARE CORDIALLY INVITED
ON

Inauguration

OF

AEROBOTS

WHERE INNOVATION TAKES FLIGHT

Venue - 512 B

Date : 17-03-2023

**Department of Electronics & Communication
Engineering**







TECH UTSAV 2023

MIND FIZZ by CODETRONICS ,24 MARCH 2023

To evaluate the knowledge of the participants within academics as well as beyond academics and to make them familiar with the prospects of quizzes and the objectivity of the questions. To inculcate critical thinking, innovative learning and team building among students.

The event encouraged students to participate as a team. The activity fostered a sense of innovation and creativity through team building. Through the activities, not only do they cultivate teamwork, but they also have fun doing so.

The Department of Electronics & Communication under Codetronics, NIET, Greater Noida organized a technical event 'Mind Fizz' on 24th March 2023. The students participated as a team of two or three. The competition consisted of two rounds. The first round was a quiz in which general questions were given. Depending on the number of correct answers they were selected for the second round. In the second-round participants have mind fizzing activities which were comprises of Sudoku and Jumble words.

Enthusiastic students of the Department of Electronics and Communication Engineering successfully organized a Mind Fizz event to participate and to enhance analytical skills as well as to win exciting prizes! Mind Fizz event was organized under the banner of CodeTronics Club during NIET annual tech fest 'Ebullience- 2k23 (24 & 25 march 2023).The theme of this

event was based on general knowledge as well on wonderful mind tricks test to train student's mind with incredibly fun questions.



The poster is for an event called 'CodeTronics (Department of Electronics & Communication Engineering) Presents MIND FIZZ'. It features logos for NIET, CodeTronics, and the Institution's Innovation Council at the top. The text describes it as 'An Exciting & Mind Fizzing game for the engineers!'. It lists four rules: 1. Two rounds (Quiz and Mind Fizzing), 2. Registration for all branches and years, 3. Team strength of 2-3 members. It includes a QR code with the link <https://bit.ly/3KOCEru>, the date '24th March', and the time '9 AM'. It also lists student and faculty coordinators.

CodeTronics
(Department of Electronics & Communication Engineering)
Presents
MIND FIZZ
An Exciting & Mind Fizzing game for the engineers!

Rules of the Event

1. The event comprises of two rounds.
2. First round- Quiz & Second Round -Mind Fizzing activity.
3. Registration open for all Branches and all Year.
4. Team strength of 2-3 members.

Link to register

<https://bit.ly/3KOCEru>

24th March
9 AM

Student Coordinators

- Shobhna Kumari (3rd Year)
- Neeraj Mahto (3rd Year ,9354368304)
- Ashutosh Kumar(2nd Year , 8863859191)

Faculty Coordinators

- Ms. Kanika Jindal (A.P. ,ECE)
- Mr. Himanshu Yadav (A.P. , ECE)
- Ms. Swarnima (A.P. ,ECE)









SCIENCE BREAKER by CODETRONICS ,24 MARCH 2023

The event encouraged students to participate as a team. The activity fostered a sense of innovation and creativity through team building. Through the activities, not only do they cultivate teamwork, but they also have fun doing so.

The Department of Electronics & Communication under Codetronics, NIET, Greater Noida organized a technical event 'Science Breaker' on 24th March 2023. The students participated as a team of two. The competition consisted of two rounds. The first round was a puzzle solver in which equations or questions were given whose solution lead to a room number where the participants were given a packet. There was a jumble word which was used as a code for the packets. In the second-round participants received the packet which contained circuit components. Using these components, the participants build up a circuit within a given time limit.





CodeTronics

(Department of Electronics & Communication Engineering)

Presents

SCIENCE BREAKER

(Break the science and win the Game!)

Rules of the event

- The event comprises of two rounds.
- First round -Find the components and
Second round - Design Circuit using components.
- Registration open for all Branch and all Year.
- Team strength of 1-2 members.

Registration Link



<https://bit.ly/3ltGLmb>



**24th
March**



11 AM

Student Coordinators

- Kartik Chandra (3rd Year ,Mob. - 9953340202)
- Shomya Kumari (3rd Year)
- Nidhi Singh (2nd Year)

Faculty Coordinators

- Ms. Kanika Jindal (A. P. ,ECE)
- Ms. Khushboo (A. P. , ECE)







Interaction Programme in 5G wireless Technology by Capgemini renowned professionals 19th April 2023

Real Engineering can be achieved only with the academic excellence poured in Industrial expertise. ECE department, NIET welcomes the renowned professionals from Capgemini Engineering with a rich experience in 5G domain for the interaction with our students. We welcome Mr. Praveen Goel, Senior Director, SFS group, Capgemini Engineering, Mr. Pankaj Negi, Director Engineering and Mr. Vikram Malik, Senior Project Manager, Capgemini Engineering at our Institute.

An Interactive Preplacement drive of NIET ECE students, 2024 batch by Capgemini Engineering in 5G domain has been held on 19th April 2023 at the department. The department wishes all our students of batch 2024, A great success in their coming time of placement drives. The objective of this interaction programme was to make students' industry ready by improving their technical skills, Provide students with an overview of the opted technical workshop, will help students to apply the technology in their projects and in the real world. Imparting intensive technical knowledge in a short amount of time. Helping the students understand what sought of methods and applications the industry works on. A hands-on workshop helps participants to be more confident in the learning domain. Imparting practical knowledge that you can use right away!

Department of Electronics & Communication
Engineering
Welcomes



Mr. Pankaj Negi
Director Engineering
Capgemini Engineering



Mr. Praveen Goel
Senior Director, SFS Group,
Capgemini Engineering



Mr. Vikram Malik
Senior Project Manager,
SFS Group,
Capgemini Engineering

for
INTERACTION PROGRAMME IN 5G WIRELESS TECHNOLOGY
April 19th, 2023, Wednesday





Drone Carnival by Aerobots 21st April 2023

Department of Electronics and Communication Engineering and Department of Mechanical Engineering has conducted the Drone Carnival and the resource person were Mr. Piyush Singh, Mr. Alok Kumar and Mr. Deepak Chander.

The objective of this whole competition was to encourage students to know more about the drone technology. To have a healthy competition between students which will encourage them to learn more about the technology in effect way.

Competition allows students to have practical application about the things they have read theoretical. They have made drone according to their creativity. Which enhances them for innovating new ideas.

On April 21, 2023, a drone carnival event has been held by the “AEROBOTS” club by the department of Electronics and Communication Engineering and Mechanical Engineering. In this competition student present their drone which has different application and showcase how their drone works. The event was attended by students, faculties and guests. Number of teams has been participated in this Carnival from various departments which was a great success for us. The objective of this event was to encourage students for innovative technical ideas.











FAREWELL 2K23, 19 MAY 2023

A college farewell party is renowned not to simply to say farewell to your friends, as you step into another domain of life. It also a honor to rejoice all the good times together and desiring the greatest for the future. One of the NIET traditions is the farewell dinner for the graduating batch. The evening is one of melancholy, where the soon to be graduates remember the memories of their years in the institution and share their experiences in the farewell function. There are also speeches by esteem faculty members in which they share their sole experiences and pleasing memories with the batch.

A farewell ceremony is incomplete without our blessings, wishes and appreciation on the last day of the students as the time they spent in college represent years of hard work, dedication and sacrifice.

“Dear Students, It is difficult to adequately express the gifts that life has in store for you as you leave your college days behind. May you use those gifts further for the welfare of all the people you meet. We know that you will leave a lasting mark on them and the world.”

“Set Your Goals high and always dream Big because you are only as big as the dreams, you dare to live.”

Happy farewell to all our dear Students of batch 2019-23 (B.Tech. ECE).









INSTITUTIONAL EVENT

Republic Day at NIET, 26 JAN 2023

Freedom has not come easy, it is because of the sacrifices of our freedom fighters, so never take it for granted. Wishing you all a very Happy Republic Day 2023.

On the occasion of the celebration of our 74th Republic Day, let us all stand proud and give respect to our nation.

Republic Day is the day when India marks and celebrates the date on which the Constitution of India came into effect on 26 January 1950. This replaced the Government of India Act 1935 as the governing document of India, thus turning the nation into a republic separate from British Raj.

First of all, Prabhat Pheri has been done by the all the members of NIET. After that flag hoisting was done by EVP “Raman Batra” sir. On the occasion of Republic Day prize has been distributed among the staffs. After all these cultural activities such as dance, song etc. has also been performed by the students and Rainbow school. The function came to end by distribution of sweets among all.











TABLET & SMART PHONE DISTRIBUTION CEREMONY at NIET,8 FEB 2023

We are excited to share with you the latest news regarding the Swami Vivekananda Youth Empowerment Scheme, which was launched by the UP government. On 8th February 2023, tablets were distributed to students of NIET College under this scheme.

This initiative aims to provide access to digital education to young individuals who may not have had the resources to do so otherwise. We are proud to be a part of this program and to support the development of the next generation.

We were honored to have **Dr. Sarojini Aggarwal (MLC, BJP)** and **Dr. Neema Aggarwal (AMD, NIET)** as the chief guests for this event. Their presence added to the significance of this occasion and underscored the importance of empowering youth through education.

We are grateful to the UP government for launching this scheme and to our guests for their valuable support. We look forward to continuing our efforts to support education and empower the youth of our community.



NIET
Greater Noida
GET FUTURE READY
AN AUTONOMOUS INSTITUTE

**NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY,
GREATER NOIDA**

TABLET & SMART PHONE DISTRIBUTION CEREMONY

UNDER UP FREE TABLET & SMART PHONE YOJANA

उ०प्र० में अध्ययनरत युवाओं के तकनीकी सशक्तिकरण हेतु
टेबलेट एवं स्मार्ट फोन वितरण योजना

Wednesday, 08th Feb 2023
Time : 12:15 PM | 'B' Block Auditorium

Chief Guest:
Dr. Sarojini Aggarwal
MLC-BJP







INTERNATIONAL CONFERENCE on Emerging Technologies and Innovations on 1st - 2nd March 2023

EmergIN 2023

In recent months, the college has had so many reasons to celebrate—See how our team worked diligently to make each event a success.

The Inaugural ceremony of the International Conference on Emerging Technologies and Innovations (EmergIN 2023) organized by NIET, Greater Noida. NIET held with the welcome of honorable Chief Guest - Prof. Rajive Kumar, Member Secretary, AICTE, Guest of Honor - Prof. Murali Raman, Deputy Chancellor, Asia Pacific University, Guest of Honor - Prof. Rafal Weron, Professor of Management Science. Key note Address - Prof. Nour Shafik Emam El - Gendy, Professor, Environmental Science, Clean Energy and Nano - Biotechnology. General Chair - Prof. Yash Chawla, Assistant Professor, Innovation and Marketing. Guest of Honor - Prof. Anna Kowalska-Pyzalska, Associate Professor of Management Science, Prof. Dimitrios Sotiros, Assistant Professor of Management Science.

The event was organized successfully. Faculty members, students and staffs has participated with full enthusiasm to make this conference a great success.

This conference was co-host by Department of Operations Research and Business Intelligence, Wroclaw tech, Poland and Knowledge Partner - ICT Academy.









ALMUNI MEET “MILAAP” 2023,

It's no secret that alumni engagement is crucial. Former students who feel connected with their alma mater attend more events, engage more with current students and donate more often. Alumni Meets are a great way to add communication touch points throughout the year.

The Alumni Connection is here to highlight YOUR work leading, creating and advocating for a better world. We created the Alumni Connection to connect you to your NIET colleagues around the world—to discover the innovative work your peers are achieving, the creative content they are publishing and causes they are championing.

Our goal is to foster a thriving alumni meet by:

curating interesting content from around the web by and about alumni

developing exclusive content for and by alumni

informing you of school events to enhance your network and career

delivering world-class research for your personal and professional use

offering news notes shared by your colleagues

Individually, NIETians are remarkable catalysts for good. Collectively, they can create even greater impact. You belong to a community of NIETians delivering exponential impact, pursuing and creating a legacy for good.

Thank you for the work you do. Thank you for representing the NIET well. We look forward to what lies ahead.

Enjoy the Alumni Connection.

It is wonderful to see NIET, through our Alumni; we bask in the warmth of their glory that keeps us together as one community to pursue serious purposes. For a better connectivity NIET organizes Alumni Meet'23 on 13th May 2023 at its campus.









ONE WEEK FACULTY DEVELOPMENT PROGRAM ON “OUTCOME BASED EDUCATION” at NIET, 24 May 2023

In the current scenario, every organization's member is essential, especially for an education hub. Noida Institute of Engineering and Technology (NIET), Greater Noida understands this and knows the faculty members' role is vital in shaping the student's future, thereby regularly conducting the faculty development programs (FDP's).

Changes are at lightning speed; hence faculty members need to adapt themselves accordingly. Therefore, they should get inputs on teaching techniques and soft skills to remain updated and motivated.

Noida Institute of Engineering and Technology (NIET), Greater Noida has organized one-week Faculty Development Program on the topic “BLENDED LEARNING TECHNIQUES”. Faculty staff is the spine of every educational organization, and their development is an essential element for the student’s successful growth. Hence Noida Institute of Engineering and Technology (NIET), Greater Noida regularly conducts Faculty development programs to value and sharpen these educators’ skills.

In this series Department of Electronics and Communication Engineering has scheduled an expert talk on Blended Learning Techniques by the renowned Founder Director of BPIT, New Delhi- Prof. A K Tondon. We welcome prof. Tondon on this occasion for his valuable and informative session for all the NIET faculty members.

This enriching session has helped the faculties to gain insights into the teaching competencies. In the end, the guest recognized the meritorious faculties by felicitating them.













Faculty Achievements

a. Dr. Pavan Kumar Shukla, HoD-ECE, Technical Program Committee Member Chair on 10th International Conference on Signal Processing and Integrated Networks (SPIN_2023)” at AMITY UNIVERSITY, Noida.

S. No.	Authors Name	Title	Patent	Journal
1	Dr. Pavan Kumar Shukla	“Sentiment Analysis of a Patient Suffering from Severe Disease”, Status: Published	Application Number 202311000028, dated on 01/01/2023	
		Technological Powered Impersonation in MOOC Learning Smart Energy Monitoring Using Internet of Things: Opportunities and Encounters Internet of Things and Block chain for Monitoring of Sustainability of Smart Cities Smart Environment Monitoring Using Internet of Things and Big Data		SCOPUS
2	Dr. Garima Shukla	A Smart IoT and AI Based Cooking system for Kitchen.		SCOPUS
		Impact of Internet of Things (IoT) in Healthcare: Challenges and Application		SCOPUS
		Detection of Emotions, Height, and Gender Recognition using Deep Learning		SCOPUS
		Chronic Kidney Disease Prediction Using Machine Learning Algorithms and the Important Attributes for the Detection		IEEE
		Early Detection of Forest Fire Using Deep Image Neural Networks		IEEE
		Simulation of a piezoelectric bimorph cantilever		SCI
3	Dr. Nidhi Sharma	Designing Adiabatic Techniques for Logic Circuits.		book chapter in springer

ECE Spark Alumni



Prakhar Srivastava

Company- EDA industry

Designations- Layout Design Engineer

Package- 18.5 LPA

2018-22 Batch ECE

I'm very great full to be a part of this college from the very first year of college we have been given best available opportunities. Layout design engineer was never an easy task but because of the great faculty and their support, I have done it. And now working with the market leader company of EDA industry. Thank you so much NIET ECE faculty.

Vishal Tyagi

Company - Capgemini engineering

Designations- Senior Software engineer

Department- 5G development

Package - 13 LPA

2015-19 Batch ECE



I am grateful and lucky to be part of ECE department in Noida institute of engineering and technology.

NIET ECE Department provides me wonderfully environment to grow my self. Thanks to faculties and my batch mates for making this journey special.

PRESS RELEASE

विवेकानंद युवा सशक्तिकरण
योजना के तहत विद्यार्थियों
को बांटे फ्री टैबलेट

ग्रेटर नोएडा (एसएनबी)। उत्तर प्रदेश सरकार को विवेकानंद युवा सशक्तिकरण योजना के अंतर्गत पुनःआईटी कॉलेज में अंतिम वर्ष के छात्र-छात्राओं को प्रो टैब्लेट का वितरण किया गया। कार्यक्रम की मुख्य अतिथि एमएलसी व संस्थान की चेयरमैन डॉ. सरोजिनी अग्रवाल ने विद्यार्थियों से डिजिटल युग के लिए स्वयं को तैयार करने तथा देश के विकास के लिए अपने बहुमूल्य योगदान देने का आह्वान किया। उन्होंने विद्यार्थियों का उत्साहवर्धन किया।

उन्होंने कहा कि विवेकानंद युवा सशक्तिकरण योजना का उद्देश्य शिक्षा में डिजिटल वातावरण को बढ़ावा देना है, जिससे विद्यार्थियों के सीखने के अवसरों को बढ़ाना है जिससे देश के सुनहरे भविष्य का निर्माण सुनिश्चित किया जा सके। इस मौके पर एएमडॉ डॉ. नीमा अग्रवाल, एग्जीक्यूटिव वाइस प्रेसिडेंट रमन बत्रा, डॉ. विनोद एम. कापूर, डॉ. केपी सिंह, डॉ. विभागाध्यक्ष, शिक्षकगण व छात्र मौजूद थे।

प्रज्ञान पब्लिक स्कूल में स्कूल इनोवेशन काउन्सिल कार्यशाला का किया आयोजन



जय सागर टुडे (सं)

[illegible]

छात्रों को हर दिशा में पारंगत बनाएगा स्कूल आफ फ्यूचर स्किल केंद्र

राष्ट्रीय शिक्षा नीति-2020

जार्ज, ग्रेटर नोएडा: शिक्षा व्यवस्था में बदलाव को राष्ट्रीय शिक्षा नीति में नए-नए नियम बने हैं। इनमें विशेष रूप से छात्र हितों का ध्यान रखा गया है, ताकि छात्र शिक्षा के साथ अन्य क्षेत्रों में भी पारंगत हों। रोजगार पाने या स्टार्टअप शुरू करने में उन्हें जानकारी व मदद मिल सके। राष्ट्रीय शिक्षा नीति के नियमों को लागू करने में धीरे-धीरे ही सही, कालेज व विश्वविद्यालय ने



रमन बत्रा

कदम बढ़ा दिया है। आगामी वक्त में नई शिक्षा नीति के स्कूल, कालेज व विश्वविद्यालय में पूरी तरह से लागू होने पर व्यापक बदलाव दिखेगा। शिक्षा नीति के तहत ही नालेज पार्क स्थित एनआईटी कालेज ने अपने यहां पर स्कूल आफ फ्यूचर स्किल केंद्र की शुरुआत की है। इसका उद्देश्य कोर्स की पढ़ाई से इतर छात्रों को डिजाइन थिंकिंग, लीडरशिप, क्रिटिकल थिंकिंग, इमोशनल इंटेलिजेंस, टीम वर्क, क्रिएटिविटी आदि की जानकारी देना है। एनआईटी कालेज के कार्यकारी उपाध्यक्ष रमन बत्रा ने बताया कि नई शिक्षा नीति से शिक्षा के क्षेत्र में आने वाले समय में व्यापक बदलाव दिखेगा। शिक्षा नीति के तहत छात्रों

के लिए स्कूल आफ फ्यूचर स्किल केंद्र की शुरुआत की गई है। पहले सेमेस्टर के दौरान ही प्रोजेक्ट से यह पता लगाया जाता है कि छात्र की रुचि किस क्षेत्र में अधिक है। इसके बाद छात्र को उस दिशा में विशेष रूप से पारंगत बनाने का प्रयास होता है। स्कूल आफ फ्यूचर स्किल केंद्र पर विशेषज्ञ छात्रों को नई-नई जानकारी देते हैं। यह प्रक्रिया पढ़ाई के साथ नियमित रूप से चलती है। उनका कहना है कि कोर्स करने वाले हर छात्र को नीकरी ही नहीं चाहिए होती। कुछ शोध की दिशा में आगे बढ़ना चाहते हैं, तो कुछ स्टार्टअप शुरू करना चाहते हैं। केंद्र पर छात्रों को हर प्रकार से पारंगत बनाने की दिशा में काम हो रहा है।

अमर उजाला

एनआईटी में हैकाथान के ग्रैंड फिनाले का समापन

ग्रेटर नोएडा (वि)। नोएडा इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी (एनआईटी) में 08 और 09 मई 2023 को आयोजित राष्ट्रीय स्तर के हैकाथान



“हैक-एक्स-एनआईटी-2023” का मंगलवार को समापन हो गया। मुख्य अतिथि जिम्स, ग्रेनो के निदेशक डॉ.

(त्रिगेडियर) राकेश कुमार गुप्ता, एनआईटी की एडिशनल मैनेजिंग डायरेक्टर डॉ. नीमा अग्रवाल, महानिदेशक, प्रवीण सोनेजा, निदेशक डॉ. विनोद एम कापसे और उद्योग जगत से आए मेंटर्स और निर्णायक मंडल के सदस्य आदि उपस्थित रहे। आयोजन में देश के 10 राज्यों से विद्यार्थियों की 41 टीमों ने भाग लिया। हैकाथान में 38,000 से अधिक वेबसाइट इम्प्रेसन रिकॉर्ड किए गए।

देशबन्धु

सर्गिलाली, दुबई, ११ मई, २०२३ वर्ग-१६ अंक-३३ पृष्ठ-१६ मूल्य ३.०० रुपए

राष्ट्रीय स्तर के हैकॉथॉन ग्रैंडफिनाले का समापन, प्रतिभागी हुए पुरस्कृत

ग्रेटर नोएडा, १० मई (देशबन्धु)। नोएडा इंस्टीट्यूट ऑफ इंजीनियरिंग एण्ड टेक्नोलॉजी में दो दिवसीय राष्ट्रीय स्तर के हैकॉथॉन 'हैक-एक्स-एनआईटी-२०२३' के ग्रैंड फिनाले का समापन बुधवार को हुआ। इस अवसर पर मुख्य अतिथि के रूप में जिम्स ग्रेटर नोएडा के निदेशक डॉ. (ब्रिगे) राकेश कुमार गुप्ता, डॉ. नीमा अग्रवाल-एडिशनल मैनेजिंग डायरेक्टर-एनआईटी, एक्जिक्यूटिव वाइस प्रेसिडेंट रमन बत्रा, प्रवीण सोनेजा-महानिदेशक-एनआईटी, डॉ. विनोद एम कापसे-निदेशक-एनआईटी, उद्योग जगत से आए हुये मेंटर्स और निर्णायक मण्डल के सदस्य, आयोजन समिति के सदस्य, प्रतिभागी, तथा छात्र-छात्राएं उपस्थित रहे। एनआईटी द्वारा आयोजित इस राष्ट्रीय स्तर के हैकॉथॉन 'हैक-एक्स-एनआईटी-२०२३' में देश भर से दस राज्यों से विद्यार्थियों की ४१ टीमों ने प्रतिभाग किया। इस हैकॉथॉन में ३८००० से अधिक वेबसाइट इम्प्लेशन रिकॉर्ड किए गए। देश भर से १००० से ज्यादा रजिस्ट्रेशन, तथा ३०० से अधिक प्रेजेंटेशन प्राप्त हुये और ४१ टीमों का चुनाव ग्रैंड फिनाले के लिए किया गया जो कि



एनआईटी में आयोजित किया गया। हैकॉथॉन में ५ प्रोब्लम-स्टेटमेंट के समाधानों के लिए प्रतिभागी टीमों में जबरदस्त प्रतिस्पर्धा देखने को मिली। इनप्रोब्लम-स्टेटमेंट में विजेता टीम के नाम हैं द-रिएक्टर्स, गवरी, सिगनोदस, कोडिंगटाइटेनस, मवपस। मुख्य अतिथि के रूप में जिम्स ग्रेटर नोएडा के निदेशक डॉ. (ब्रिगे) राकेश कुमार गुप्ता ने कहा कि इस हैकॉथॉन के माध्यम से युवाओं की छिपी हुई प्रतिभाओं को सामने लाने का मौका मिला है। उन्होंने सभी प्रतिभागियों का उत्साह वर्धन किया तथा एनआईटी ग्रेटर नोएडा को इस आयोजन के सफल रूप से संपादित करने के लिए शुभकामनाएं दी।

THE HINDU

ENTERPRISE CONNECT

NIRF 2023- NIET, once again among the top 150 Engineering institutes Pan India

Noida Institute of Technology and Management has maintained its top position in the region with its appearance among the top 50 institutes in Pharmacy and in the Rank Band of 101-150 in engineering categories pan India in the NIRF Ranking 2023.

Thrilled at this grand success, Executive Director of the Institute, Dr. Raman Batra, who is in USA these days, congratulated the faculty, staff and students of NIET over telephonic message. He said that this success is the result of the unceasing efforts of NIET family. "Staying ahead is the motto of NIET family. Be it quality of education, placements, academic culture, or over all environment, we focus of quality and high performance which leads to inclusive growth of the stake holders", he said. He further shared that excellence in Pan India Rankings like NIRF, gives inside scoop on what quality means at NIET.

The National Institutional Ranking Framework (NIRF) Rankings 2023 have been released on Monday, 5th June 23 by Minister of State for Education and External Affairs, Rajkumar Ranjan Singh. The rankings can be accessed on the official website of NIRF at nirfindia.org.

The latest rankings include four categories: Overall, Colleges, Universities, and Research Institutions. The subject domains now consist of Engineering, Management, Pharmacy, Law, Medical, Architecture and Planning, Dental, and a new addition – Agriculture and Allied Sectors.

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अधिक प्रतिबद्धता के साथ अपने बच्चे के लिए सभी को उत्साहित किया। डॉ. कपसे ने इस उपलब्धि पर सभी शिक्षकों, विद्यार्थियों और स्टाफ के समन्वित प्रयासों की सराहना की और शुभवाद प्रेषित किया।



विशेषांक 100th edition

एनआईआरएफ रैंकिंग-2023 में 101-150 रैंक बैंड में शामिल उत्तर प्रदेश में एकेटीयू से सम्बद्ध इंस्टीट्यूट्स में लहदाया अपना पदचम।

फेस वाली भारत भ्रमण दर्शन-

एनआईआरएफ रैंकिंग-2023 में एनआईटी केरल और एनआईटी चेन्नई के बीच में एकेटीयू का नाम। एनआईटी चेन्नई एकेटीयू ने 42वीं रैंक हासिल की और एनआईटी चेन्नई ने 101-150 रैंक बैंड में एकेटीयू का नाम।

एनआईआरएफ रैंकिंग-2023 में 101-150 रैंक बैंड में एकेटीयू से सम्बद्ध इंस्टीट्यूट्स में लहदाया अपना पदचम।

फेस वाली: एनआईटी केरल और एनआईटी चेन्नई के बीच में एकेटीयू का नाम। एनआईटी चेन्नई एकेटीयू ने 42वीं रैंक हासिल की और एनआईटी चेन्नई ने 101-150 रैंक बैंड में एकेटीयू का नाम।



एनआईटी केरल और एनआईटी चेन्नई के बीच में एकेटीयू का नाम। एनआईटी चेन्नई एकेटीयू ने 42वीं रैंक हासिल की और एनआईटी चेन्नई ने 101-150 रैंक बैंड में एकेटीयू का नाम।

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राज्य: उत्तर प्रदेश, पंजाब, हरियाणा, दिल्ली, गुजरात, महाराष्ट्र, बिहार, झारखंड, चhattisgarh, कर्नाटक, तमिलनाडु, केरल, आंध्र प्रदेश, छत्तीसगढ़, मध्य प्रदेश, राजस्थान, हिमाचल प्रदेश, जम्मू और कश्मीर, अरुणाचल प्रदेश, मेघालय, त्रिपुरा, नागालैंड, असम, सिक्किम, अंडमान और निकोबार, पुद्दुचेरी

पुष्पकाल के प्रकाश प्रकाश कर रहे हैं जलवायु में तेजी से बढ़ती पर 7

भारत का विकास के साथ-साथ ही मगर करारा रहेगा: पक्षी 9

एनआईटी व शारदा को एनआईआरएफ में स्थान

जासं, ग्रेटर नोएडा: भारत सरकार के शिक्षा मंत्रालय द्वारा जारी राष्ट्रीय संस्थागत रैंकिंग फ्रेमवर्क (एनआईआरएफ) में जिले के शिक्षण संस्थानों ने भी लगातार अच्छा प्रदर्शन किया है। एनआईटी फार्मसी इंस्टीट्यूट ने 42वीं रैंक हासिल कर लगातार चौथी बार टॉप-50 में बनाई अपनी जगह बनाई है। शारदा विश्वविद्यालय ने देश के 100 सर्वश्रेष्ठ विश्वविद्यालयों की सूची में 87 वां स्थान प्राप्त किया है। नालेज पार्क स्थित एनआईटी कालेज ने एनआईआरएफ की इंजीनियरिंग

कालेजों की श्रेणी में 101 से 150 रैंक बैंड में अपनी जगह बनाई। वहीं एनआईटी फार्मसी इंस्टीट्यूट ने 42 वीं रैंक हासिल की है। कालेज के एजीक्यूटिव वाइस प्रेसिडेंट डा. रमन बत्रा ने कहा कि कालेज हमेशा अपने विद्यार्थियों को गुणवत्ता पूर्ण शिक्षा देने लिए प्रतिबद्ध है। इंस्टीट्यूट को मिलने वाली प्रशस्ति और रैंकिंग एनआईटी के प्रबंधन, शिक्षकों एवं विद्यार्थियों के सम्मिलित प्रयासका परिणाम है। उन सभी मानकों को अपनाया है और उन पर खरा उतरा है जो गुणवत्तापूर्ण शिक्षा देने के लिए जरूरी है।

