

February issue of newsletter 2016



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From the Editor's Desk

Dear Readers,

Greetings to our readers! As we set foot in the 3rd month of the 'new year' we hope the first two months went as per the resolutions planned by each one of you. Even if they did not, then take respite in the age old adage, Resolutions are meant to be broken. Live the year as it comes to you and don't bind yourself with the weight of the resolutions keeping you away from good food, or company or deeds! As far as we are living healthy and in harmony with the laws of nature, we need not worry about living right.

This issue carries some interesting news pieces. Achievement of our student Jai Verma is indeed commendable. You may like to read about the contribution of the Ayurveda club about the

Calendula herb and you may appreciate the pieces and art work given in the Student editorial and Expressions section.

I hope you enjoy reading this issue.

Wish you all a Happy Reading experience!!

Best Wishes,

Anshima P Srivastav

Editor In-Charge,

NU Newsletter

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Campus News



Kite flying festival organized in NU



A kite flying festival was organized in the campus on Sunday, January 17, 2016. Students came out in good numbers to celebrate the spirit and love of kite flying. Faculty members also joined the celebration and gave a good competition to the others.

Visit by two delegates from the Narayana Institution group

Two delegates from Narayana Group of Educational Institution visited NIIT University on 15th January, 2016. During the visit, they interacted with the university leadership team and the Area Head of Computer Science Area.

NIIT Technologies off-campus recruitment drive



An off-campus recruitment drive was organized for Industry Practice of B Tech (CSE/ECE) 2016 batch, by NIIT Technologies on 14th January 2016.

Cigital off-campus recruitment drive

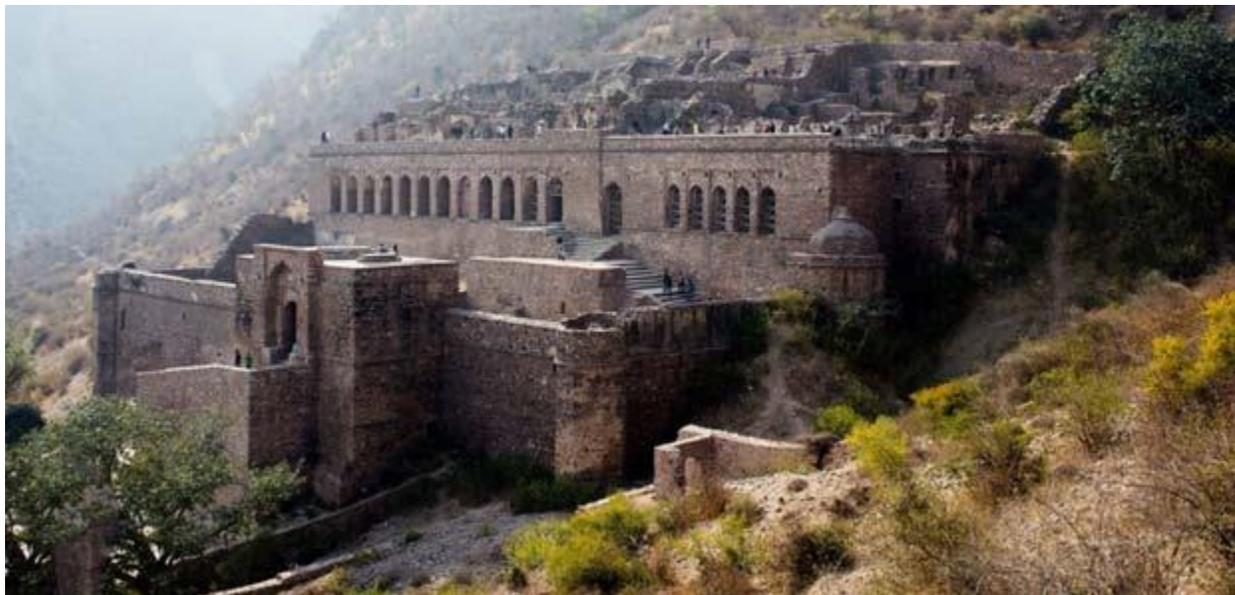


Cigital conducted an off-campus recruitment drive for Industry Practice for B Tech (CSE/ECE) 2016 batch, on 20th January 2016.

Talk by professor Karmeshu

On 27Jan 2016, there was an invited talk by Prof. Karmeshu on “Maximum Entropy Framework for Generation of Power Laws: Study of High Frequency Intra-Day Stock Returns” from 5 pm in senate room. Various mechanisms responsible for the emergence of power law behaviour were discussed. A detailed analysis of high frequency intraday stock returns exhibiting cubic power law was presented. The students really got the idea about Maximum Tsallis entropy framework under Digital Signal Processing.

Bhangarh Trip



On the 24th of January, the photography club of NU went on a road trip to Bhangarh fort, located at a distance of 170kms from the college campus. There were 13 students from first, second and third year combined who had gone for the trip. The students were chosen on the basis of the photos they had submitted and the selection done by the coordinators of the photography club. The journey began at around 7am in the morning. We had taken two Toyota Innova's provided by the University, and at all points it was made sure that the two cars travel together. In the first part of the journey, the cars travelled at a slow pace due to the extreme fog. We stopped for breakfast at a dhaba around 9.40am, where the students treated their taste buds to hot Jalebis and Kachoris. Following which we continued with the journey. Approaching Bhangarh, we found the terrain to be extremely rugged. Amidst all the rumors about the haunted fort, we very closely noted a fact that there have been very few households that have been made even at a distance of 30 kms from the place.

On reaching the fort the students divided themselves into groups and started exploring this 17th century marvel. The legend has it that the fort was 7storeys high but over the years, due to degradation by the environment, only 4 storeys remain. The entrance to the fort is followed by a

beautiful walk through what used to be the Jauhari Bazaar. Langur and monkeys are the prime occupants of the bazaar now. As the bazaar ends, the landscape opens into a huge sprawl of green land which encompasses the temples and the post office. From behind which the actual fort starts. The fort still proudly displays the 17th century architecture. The intricate cuts on the walls and designs on the pillars.

The inner parts of the fort have eroded over time.



The king's room is filled with broken down pillars and a ceiling in absentia. Students clicked pictures of the architecture and made themselves okay with the smell of dead animals and rats that surrounds the many niche in the walls. At about 4pm all the students gathered again at the main gate and we proceeded for our return journey to the NU campus. We stopped on the way for lunch and snacks at Alwar and reached the NU campus at around 8pm.

It was a learning experience for everyone who was present on the trip.

Sourya Rudra

Vice-Coordinator

Photography club at NU

NU students shine at the University Cansat challenge



NU students participated in the University CanSat challenge at IISC, Bengaluru on 17th January, 2016. The team from the university shined at the event and came second in the competition that witnessed teams from BITS Goa, SRM and other prestigious institutes.

NU Student Visit to Jaipur Literature festival



One of the largest literary festivals, the Jaipur Literature Festival kick started on 23rd January 2016 @ Diggi Palace, Jaipur. At this world-famous event, NIIT University (NU) students were invited to attend the ZEE Jaipur Literature Festival on 23rd Jan 2016. Students got an excellent opportunity to hear views of intellectuals like Javed Akhtar, Dr. Shashi Tharoor, Ashwin Sanghi, Maragaret Atwood, Stephen Fry, Anuja Chauhan, Ravinder Singh and many others.

Workshop on Communication Technology by BSNL-ALTTC



A workshop on Communication Technology, jointly with BSNL-ALTTC, Govt. of India was organized at NIIT University (NU) on 27th January 2016.

Eminent Industry leaders Mr. Vikas Nigam and Mr. Anil Kumar working in the domain of Advanced Communication Technology from BSNL-ALTTC delivered a talk on Mobile, Wireless Communication, Radio Frequency and its applications & Satellite Communication.

These interactive sessions were also co-joined by Prof. Prosenjit Gupta, Area Director, Computer Science & Prof. Navin Kapur, Area Director, Electronics and Communication Engineering.

AT-Lead Drone Designing Seminar



Atif Khan, founder of AT-Lead, a drone manufacturing and training company headquartered in Noida, conducted a Drone Designing Seminar at NIIT University (NU) on 23rd January 2016. The following topics were covered during the seminar:

Making of a Quadcopter

How to use Actuators and Motors

Assembly of various components

Use of software

Calibration of Transmitter and Receiver

NIIT University invited to the Energy Parliament'16

NU was invited to the All-India Students Energy Parliament'16 on 25th February. Students were asked to submit a write-up and three students with the best write-ups would be given a chance to present the same to the audience at the event.

Eminent personality at NU



Mr. Shankar Vanavarayar, President (Joint Correspondent)-Kumaraguru College of Technology, Executive Director-Sakthi Auto Motors Ltd & Managing Trustee-The Vanavarayar Foundation visited NIIT University (NU) on 07th January 2016. During the visit, he interacted with the Hon'ble Co-Founder, NU – Mr. Vijay K. Thadani and NU Leadership Team. He also had an interactive session with NU students on the topic “Innovation & Entrepreneurship”.

2nd NU Activity week

NU organized the 2nd NU ACTIVITY WEEK from 24th January to 01st Feb 2016. All the students, faculty and staff participated in various events with full enthusiasm and dedication. The schedule of activities during the activity week was as follows:

- Drone Workshop by AT-Lead on 23rd Jan
- Android App Development from 24th – 27th Jan
- A road trip to Bhangarh Fort by the Photography Club on the 24th Jan
- Tennis Workshop from 24th – 25th Jan
- Gym Workshop from 26th – 27th Jan
- Workshop on Communication Technology by BSNL-ALTTC on January 27
- Sports events like FUTSAL League, Box Cricket Tournament, Half-Court Basketball, Open Chess

Tournament, Pool Tournament etc. were also organized during the activity week.

67th Republic Day @ NU Campus



NIIT University (NU) celebrated 67th Republic Day at NU Campus, Neemrana on 26th January 2016. After the March past and flag hoisting, we heard the insightful and inspiring words from our Hon'ble President, Dr. Rajendra Kumar Pandey. His address was followed by many performances from NU students in various languages like Hindi, English, Malayalam, Kannada, Bengali and Telugu. It was a great display of national diversity and integrity. The program came to an end with prize distribution to deserving employees.

IngeNUity 2016



NIIT University organized its annual fest, IngeNUity Fest “A Magical Menagerie, from 29th – 31st Jan 2016. The magic kicked-off with the opening ceremony inaugurated by Air Cmde. Kamal Singh from NU Leadership Team”, Dr Shivendra Mathur, Registrar, Prof. Prosenjit Gupta, Area Director, CSE and Prof Navin Kapur, Area Director, ECE. Students from reputed

Institutions like ITM Kolkata, GNIOT Noida, Trinity College, Bharti College, etc. participated into various events like Nukkad Natak, Fashion show, Dance competition, Singing etc.

WNS Workshop



A two day workshop, from 28th -29th Jan 2016, was conducted by delegates from WNS- Mrs. Monika Mitra & Mr. Ankur Kumar, at NU Campus, which was directed towards providing necessary skills on conducting Competency Based Interviewing. The workshop was attended by NU faculty members from different Areas. The two days of the Workshop commenced with interview, role plays to demonstrate the intuition based age-old technique of interviewing and slowly the method and procedure of Competency-based Interviewing was introduced to the audience. Second day was more inclined towards objective interviewing using the CBI technique.

Mr. Sameer Sahasrabudhee @ NU

1st Feb 2016 marked as the day when students and the NU Leadership team interacted with Dr. Sameer Sahasrabudhe, Senior Project Research Scientist at the Dept. of CSE, IIT Bombay, on “Use of Multimedia in Education” during his visit to NIIT University.

Prof. Volkan Cicek’s visit at NU

On 28th Jan 2016, Prof. Volkan Cicek, Coordinator-International Relations, Zirve University, Turkey visited NIIT University and signed a Memorandum of Understanding between NU and Zirve University. He also interacted with Hon’ble President, Dr. Rajendra Kumar Pandey and NU Leadership Team and explored the areas for collaboration.

Nature Talk



Sociable Lapwing



The Sociable Lapwing or Sociable Plover (*Vanellus gregarius*) is a wader in the lapwing family of birds. It breeds on open grassland in Russia and Kazakhstan. Three to five eggs are laid in a ground nest.

These birds migrate south, through Kyrgyzstan, Uzbekistan, Tajikistan, Turkmenistan, Afghanistan, Armenia, Iran, Iraq, Saudi Arabia, Syria and Turkey, to key wintering sites in Israel, Syria, Eritrea, Sudan and north-west India. Birds winter occasionally in Pakistan, Sri Lanka and Oman. This attractive medium-sized lapwing has longish black legs and a short black bill. Summer adults have grey backs and breast, dark belly and white undertail. The head has a striking pattern, with a black crown and eye stripe, the latter being bordered above and below with white. The upper neck is ochre.

STATUS AND CONSERVATION

In 2004 BirdLife International categorized this bird as critically endangered, due to a very rapid population decline for poorly understood reasons. The main decline took place between 1960 and 1987, when the known population halved; it is presently some 20-25% of the 1930s population levels (BirdLife International 2006). The current population was estimated to be between 600 and 1,800 mature birds in 2006 (BirdLife International), but is currently being revised to the upward end of that scale, possibly more, following the discovery of the species' previously unknown main wintering grounds in Syria, where 1500 birds of all ages were encountered. Additionally, in October 2007, super flocks of approximately 3,200 Sociable Lapwing were discovered in Turkey, according to Guven Eken, director of the Turkish Nature Association. The current IUCN classification is CR A3bc – meaning that the population is expected to decline in

the next decade or so by 80%, but based on theoretical considerations and the known habitat destruction rather than direct observation of the birds. Thus, the new discoveries might mean that as more data becomes available, the species could be downlisted to Endangered.

[Source: www.wikipedia.org](http://www.wikipedia.org)

Divya Sara

B.Tech (Batch 2013- 2017)

NU Ayurveda Health Club

Calendula Herb



Calendula is a genus of about 15-20 species of annual and perennial herbaceous plants in the daisy family asteraceae that are often known as marigolds. They belong to South Western Asia, Western Europe, Macaronesia, and the Mediterranean. Other plants are also known as marigolds, such as corn marigold, desert marigold, marsh marigold, and plants of the genus *Tagetes*. The genus name *Calendula* is a modern Latin diminutive of *calendae*, meaning “little calendar”, “little clock” or possibly “little weather-glass”. The common name “marigold” refers to the Virgin Mary. The most commonly cultivated and used member of the genus is the pot marigold (*Calendula officinalis*). Popular herbal and cosmetic products named ‘calendula’ invariably derive from *C. officinalis*.

Traditional and ancient uses:

Calendula species have been used traditionally as culinary and medicinal herbs. The petals are edible and can be used fresh in salads or dried and used to colour cheese or as a replacement for saffron. A yellow dye is extracted from the flowers.

Romans and Greeks used the golden calendula in many rituals and ceremonies, sometimes wearing crowns or garlands made from the flowers. One of its nicknames is “Mary’s Gold,” referring to the flowers’ use in early Catholic events in some countries. Calendula flowers are sacred flowers in India and have been used to decorate the statues of Hindu deities since early times.

Medicinal use:

Ancient cultures recognized and used the healing properties of calendula. In some of the earliest medical writings, calendula was recommended for treating ailments of the digestive tract. It was used to detoxify the liver and gall bladder. The flowers were applied to cuts and wounds to stop bleeding, prevent infection and speed healing. Calendula was also used for various women's ailments, and to treat a number of skin conditions. During the American Civil War, calendula flowers were used on the battlefields in open wounds as anti-hemorrhagic and antiseptic, and they were used in dressing wounds to promote healing. Calendula also was used in this way during World War I. Calendula has been historically significant in medicine in many cultures, and it is still important in alternative medicine today.

Aman Kumar Jha and Sushmita Singh

NU Ayurveda Health Club

Student Editor Special



Untold

“I want to say something.”

A simple statement had so much meaning hidden in disguise, that no one was able to calculate the weight it would have spared her shoulders. So, no one bothered to listen, no one tried to understand. “It’s just one of her ‘not-so-important’ things.” they said. Not in the exact way but, something similar. No one cared then and now, her story is still untold.

“Should I share this?”

A simple question generated so much pressure from within, that under the burden of which the ladder to achieve some peace, got crushed. “It’s just not worth sharing, I guess.” he said to himself. Not in the exact same way, but something similar. He did not care then and now, his story is still untold.

“What will they think?”

Another simple question. This one ran in the factory of imagination for weeks. They did not care about it, but she did. “What if she feels bad? What if he doesn’t feel good?” she kept asking herself. Not in the exact same way, but something similar. She kept everything to herself, she never said anything and now, her story is still untold.

“If Only...”

If only he had not thought about anything like that. If only he’d not let it affect him so much. It was nothing, but turned into something soon enough. “Why am I thinking all this? Why can’t I stop thinking?” he asked himself. Maybe in the exact same way or maybe something similar. No one knows now. If only he’d...and now, his story is still untold.

“She is happy. She is always smiling.”

Maybe they were right and maybe they were not. Who knows now... Only she knew, only she. She was always trying, she was always hiding. “I should not. I am strong enough.” She always use to tell that to herself. Yeah, in the exact same way, more than just similar. “Did you know her?” “I used to.” “Now that I think about it. Barely.” Yes, her story is still untold.

“He is happy. He is always smiling.”

Yes, they were right and yes, they were not. He knew everything. He tried. He did not hide. “I should not. I am strong enough. I have her.” He used to tell that to himself. In the exact same way. “Do you know her?” “Yes, I know her. I knew her.” “I only wish, I wish I had known better.” Don’t worry. He’ll tell you the story.

She was not alone. She did not leave alone. She did not. I wish...

Pradumn Kumar Mahanta

B.Tech (Batch 2013-17)

Sustainability

Sustainability is the persistence of structures and strategies. The organizing principle for sustainability is sustainable improvement, which incorporates the four interconnected domain names: ecology, economics, politics and culture.

When this word is broken into two i.e. SUSTAIN + ABILITY = it refers to the ability to sustain. But who is able to do that. Is it Man? Nature? Animals?

Well nature tries to keep the balance but man in his greed do the opposite. Even animals follow a method and give their best in nature balance. But we kill them and break the interconnected food web.

We have learnt a lot in our childhood about pollution and food webs, but that often is restricted to the books and for passing the exams. Does our pre-knowledge come to use? The answer is NO. Why NCERT and other books introduced environmental science and why teachers gave stress on those topics?

There is an often used proverb, by David Brower, “We do not inherit the earth from our ancestors, we borrow it from our children”.

However someone also said that have a look at the sector around us. The road is a lie!! We aren't borrowing anything from our children. Borrowing means that we will pay it back, but we aren't paying back. We are STEALING from our children...

Parents work really hard; spend a lot on their children, driving intake through the roof. These parents are thinking they are giving their children good lives, and ingraining in them values of materialism, but instead their children are plundering whatsoever is left for their grandchildren. We shouldn't be stealing from our future generations. We haven't paid them back yet, but we should.

And so it must be. THINK about it.

Are you stealing your children's future? Are we willing to be the era with a purpose to shoulder the duty of together paying back for the generations beyond which have now returned to the soil?

Divya Sara Kurian

B. Tech (Batch 2013-2017)

Expressions



Art Work



Debanshee Saha

B. Tech (Batch 2013-2017)

Painting





Sibeli Mukherjee

B. Tech (Batch 2013-2017)

Achievements

Jai Verma of (Batch 2017) along with other members dealt with the problem statement to invent a new traffic experience using public transport through a smart app. They are supposed to transform the problem using design thinking. Their aim was to create an app which would connect users with similar interests travelling to same or connecting destinations using public transport. They used SAP Technologies (SAP HANA Cloud Platform and SAPUI5) to create the app prototype.

The team consisted of:

Jai Verma- Computer Science from India

Bessenyei Balazs Donát- Computer Science student from Hungary

Pascal Jung- Computer Science student from Germany

Marianna Tkach- Business student from Barcelona

Laia Pujadas- Business Studies student from Barcelona

Saad Benzaida- Business Studies student from Morocco

Jennifer Luksteiz- Design Thinking Expert from SAP Germany

Research @ NU

Research paper in Condensed Matter & Applied Physics



Prachi Singh, student of B.Tech IV year, Biotechnology, has presented her research work on A Biosensor System Using Nickel Ferrite Nanoparticles in an international conference on Condensed Matter & Applied Physics (ICC-2015) on 30th Oct 2015 in Veterinary Auditorium, Engineering college, Bikaner. The session was chaired by Prof. Antoine from Princeton University, USA.

Research paper in International Conference on Current Engineering and Technology



Sibeli Mukherjee, B.Tech 2013-17 batch along with batch mate Prakhar Awasthi, presented the paper titled “Health Monitoring in Remote Areas Using WBAN” in the International Conference on Current Engineering and Technology which was held in New Delhi.

The other authors include Rishabh Kumar, Divya Sara Kurian, Sanya Mittal and Bhumesh Birdi. The paper was written under the guidance of Mr. Jetendra Joshi.



Saurabh Jha has presented his paper, 'A Model Based Connectivity And Localization Strategy For Vehicular Ad-hoc Network' at IEEE 7th International Conference on Intelligent System, Modelling and Simulation. The conference was held at Century Park Hotel, Bangkok, Thailand from 25th -27th January, 2016.

The other authors included Dushyant Yadav, Manash Jyoti Deka and Devjeet Singh Choudhary. The paper was written under the guidance of Mr. Jetendra Joshi.



Devjeet Singh Choudhary has presented his paper, 'LCDs: Lane Changing Aid System Based on Speed of Vehicles' at IEEE 15th International Conference on Electronics, Information and Communication (ICEIC2016) held at Hyatt Regency Resort & Spa, Danang in Vietnam from January 27 – January 30, 2016.

The other authors included Dushyant Yadav, Manash Jyoti Deka, Saurabh Jha, Yash Aggarwal and Kritika Jain. The paper was written under the guidance of Mr. Jetendra Joshi.