



## CONTENTS

### From the Editor's Desk

#### Special Event

- Resonance 2016 Write-up by Disha

#### Campus News

- Eminent Personality- Mr. Rajesh Mathur
- Eminent Personality- Mr. Shyam Shrinivasan
  - Van Mahotsav Celebration at NU
- Japan Foundation Delegation visit NU
  - Talk by Y.C Roy
  - Havells Plant Visit
- Just Dial Recruitment Drive
- Cognizant Pre-Placement Talk
- Amazon Campus Recruitment Drive
- PWC Campus Recruitment Drive
  - Sanskrit Course at NU

#### Nature Talk

- Javan Rhinoceros

#### Ayurveda News

- Brahmi

### Student Editorial Special

- My Program

### Expressions

- Success : A Journey
- Device to Success
  - Painting
  - The Walk

### Achievements

### Research @ NU



## From the Editor's Desk

Dear Readers,

We are back with yet another issue. Though, the events of high importance kept us all busy but we are never too far away, not to reach our readers. We are late, but we are here! The issue has a lot of interesting Campus news which will tell you how our quiet looking campus is always abuzz with activity underneath. It is the efficiency of our students and staff that so many activities of different flavours keep taking place and yet the schedules and daily activities don't get disturbed. Infact on surface it is all so calm while a strong current of activity flows underneath.

The Expressions section has quite a variety this time. We have poems, an article, and a drawing which I am sure will be appreciated by our readers.

I hope you enjoy going through the newsletter and will also send us your opinions and suggestions to improve it further.

Best Regards,

Anshima P Srivastav

Editor In-Charge,

NU Newsletter

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## Special Event

### Resonance 2016

...I'm homesick, I'm afraid; I don't know any of these people, what am I going to do? How are the people here? Will I be able to gel with them properly? What to do and what not? Will I make new friends? Will everyone here like me? How will I spend 4 years here? Will I love this place? Or ..."

When we came here, our minds were going berserk with various questions but their answers we had none. This was not only a new environment we were all put in, but also a beginning of: self-discovery, becoming self-reliant and independent and of course becoming capable to face this world on our own. Resonance 2016 helped us a lot in getting acquainted with these unfamiliar surroundings and giving us a much-needed boost and confidence to venture out on our own. After our arrival on campus i.e, on 15th July 2016 we were all grouped into 12 clusters consisting of 15 students each, so that we could interact with as many people as possible. Each cluster comprised of a Sher/Sherni{the leaders}, Clock{the timekeeper}, Green{the eco-friendly member} and the Reporter. This induction program included adventurous mornings, extra-curricular activities and generally the day concluded with the cluster's everyday report and presentation.. There were five activities lined up for us, these included visit to the Suryodaya Sthal, Valley Crossing, visit to Scar, Tree Plantation, visit to the Sewage treatment plant and finally the Campus Tour. Each day we would wake up at 5:30 am and from the basketball court, two clusters would go for one of the aforementioned activity.

Apart from the morning activity, we also had Inter-Cluster Sports competitions. We had the following sports matches: Badminton, Table Tennis, Basketball, Cricket, Football and Volleyball. Some sports were played in the evening while others like Table Tennis and Cricket were conducted in the morning hours. Apart from these, we also had club activities. We had the Photography Club, the Electronics Club and many more.

Throughout this period, we could feel our hearts and minds resonate together and to our delight, we all were really enjoying these moments and these vibes. They were not only enthralling but enriching in experience as well.

At night after dinner, we would have the presentation by various clusters giving a brief idea about what they did that day. After the presentation on morning activities we started with state presentations. All the states were assigned a day and the students belonging to that state were given a chance to present and showcase their state. Then we also had some invited talks by distinguished people. We had the opportunity to interact with Ms. Syeeda Imam and Mr. Harpal Singh. We also had an Alumni Panel discussion and TALF invited talk. We even had small talks by Kamal Singh Sir who throughout the Resonance emphasized on the art of listening. Both Syeeda Ma'am and Harpal Sir stressed on the fact that one needs to find, discover and know himself/herself, that one should know what to do and most importantly each one of them explained the need to develop multiple lenses and to widen our horizons and to broaden our perspective. Later we also had an Elocution competition, Debate competition, Show Your Talent, Art Exhibition, Electronics Exhibition and a play by Rangmanch – the theatre club.

Resonance 2016 concluded with the Mr. and Ms. Fresher Competition on 6th August 2016. The fun that we had, the bond that we shared and the memories that we made with each other has been etched in our hearts and these feelings: love, happiness, confidence, laughter and all this time will resonate inside us alongside our heart as it beats. Its vibe shall echo in our hearts as a small reminder of the best time that we had.

**Disha Chichghare**

**B. Tech (2016-20)**

**Campus News**



### **Eminent Personality- Mr. Rajesh Mathur**

Mr. Rajesh Mathur, Advisor, ESRI India Technologies visited NIIT University on August 12th 2016. During the visit, he interacted with NU President– Prof. V.S Rao, the Leadership Team, GIS Area Head – Dr. Parul Srivastava and students from M Tech (GIS) 2017 & 2018 batch.

## **Eminent Personality- Mr. Shyam Shrinivasan**

Mr. Shyam Srinivasan, Managing Director and CEO of the Federal Bank Limited visited NIIT University on 22nd August 2016. During the visit, he interacted with NU President – Prof. V. S. Rao, NU Leadership Team, Management Area Head & Faculty and students from the first batch of Postgraduate Diploma in Banking & Relationship Management (PGDBRM).

## **Van Mahotsav Celebration at NU**

NIIT University celebrated Van Mahotsav on 28th July 2016 with the vision of 'Plant for the planet', the celebration of this goodwill gesture went on till 12th August 2016.

## **Japan Foundation Delegation Visit NU**

Delegates from Japan Foundation visited NIIT University on 3rd August 2016. They interacted with NU President – Prof. V.S. Rao and the university Leadership Team. They were enthusiastic to learn about initiatives undertaken by the university in teaching Japanese language to NU students as well as members of the Neemrana industrial community.

## **Talk by Y.C Roy**

Mr. Y C Roy, Senior Managing Consultant at IBM visited NIIT University on 3rd August 2016. During the visit, he delivered a talk on the topic 'Project Management in Software Industry'. His talk was attended by the NU Leadership, Area heads, NU faculty and students.

## **Havells Plant Visit**

NIIT University students from B. Tech second, third and fourth year visited Havells Manufacturing plant at Neemrana on 27th August 2016. The group of 50+ students found it to be very fruitful and informative experience, where they witnessed the manufacturing process of various heavy electrical components, lighting systems and consumer appliances.

The Havells team demonstrated the production cycle of light as well as industrial purpose motors, lighting fixtures, CFLs, and HID lamps at the motor plant and the light fixture plant. The students also paid visit to the Havells water heater plant, which is also the largest and the most automated water heater plant in India.

## **Just Dial Recruitment Drive**

Just Dial, India's leading provider of local search engine services related to users through multiple platforms such as Internet, mobile Internet etc. conducted Campus Recruitment drive on 27th August 2016 at NU Campus for industry practice as well as final placements for B. Tech (CSE/ECE) 2013-17 batch.

## **Cognizant Pre-Placement Talk**

Mr. Vinay Saib, Director, Healthcare Analytics, Cognizant Technology Solutions visited NU on 27th August 2016, to deliver pre-placement talk to B. Tech 2013-2017 batch students for upcoming campus recruitment drive. During the visit, he also interacted with NU founder- Mr. Rajendra S Pawar, President – Prof. V.S.Rao, Leadership team and Ms Bhumika Sharma Head CIC.

## **AMAZON Campus Recruitment Drive**

Amazon India, one of the world's largest Internet-based retailers conducted Campus recruitment drive on 28th August 2016 at NU Campus for Industry Practice for B. Tech (CSE/ECE) 2013-2017.

## **PWC Campus Recruitment Drive**

PWC, a global network of professional firms providing Audit, Tax and Advisory services visited NIIT University (NU) on 22nd-23rd August 2016, for Campus recruitment drive of B. Tech (CSE/ECE) 2013-2017.

## **Sanskrit Course at NU**

A Sanskrit course has begun at NU three times a week for a one-hour duration. It focuses on making the students understand the language and help them in writing it too. Dr. Sudhir Kaicker is instructing students in Sanskrit.

## **Nature Talk**



## JAVAN RHINOCEROS



The Sunda rhinoceros (*Rhinoceros sondaicus*) or lesser one-horned rhinoceros, or more popular as Javan rhinoceros, is a member of the family Rhinocerotidae and one of five extant rhinoceroses. It belongs to the same genus as the Indian rhinoceros, and has similar mosaicked skin, which resembles armour. The Sunda rhino can live approximately 30–45 years in the wild. It historically inhabited lowland rain forest, wet grasslands and large floodplains. The Sunda rhino is mostly solitary, except for courtship and offspring rearing, though groups may occasionally congregate near wallows and salt licks. Aside from humans, adults have no predators in their range. The Sunda rhino usually avoids humans but attacks if it feels threatened. It is the largest animal in Java and the second largest animal in Indonesia after the Asian Elephant.

The animal was once widespread from Assam and Bengal. They will sometimes congregate in small groups at salt licks and mud wallows. Wallowing in mud is a common behavior for all rhinos; the activity allows them to maintain cool body temperatures and helps prevent disease and parasite infestation. The Sunda rhinoceros is herbivorous and eats diverse plant species, especially their shoots, twigs, young foliage and fallen fruit.

## STATUS AND CONSERVATION

The main factor in the continued decline of the Sunda rhinoceros population has been poaching for horns, a problem that affects all rhino species. The horns have been a traded commodity for more than 2,000 years in China, where it is believed that horns have healing properties. Historically, the rhinoceros' hide was used to make armor for

Chinese soldiers and some local tribes in Vietnam believed the hide could be used to make an antidote for snake venom. Loss of habitat because of agriculture has also contributed to its decline, though this is no longer as significant a factor because the rhinoceros only lives in one nationally protected park. Because the population is restricted to one small area, they are very susceptible to disease and the problems of inbreeding. Conservation geneticists estimate a population of 100 rhinos would be needed to preserve the genetic diversity of this conservation reliant species.

**Divya Sara Kurian**  
B. Tech (2013-17)

**Ayurveda Club**



**Brahmi: 'Herb of Grace'**

The uses of alternative medicines have increased significantly around the world. The search for effective and safe medicines is always on and also new uses of old medicines are being looked into. Brahmi is an Ayurvedic medicinal herb that has been used for centuries. Certain neurological disorders have limited therapeutic options in western medicine and hospitals and research institutes across the globe are increasingly looking into Ayurvedic science for effective and safer alternatives. Brahmi is a well-known tropic herb and its uses in neurological and psychiatric disorders are well recognized. Research and thousands of years of knowledge and experience support its efficacy and safety.

Despite being such an old medicine, its new benefits are continuously being studied. Brahmi is one of the most sattvic herbs known in Ayurvedic pharmacopeia since Vedic times.

The Ayurvedic pharmacopoeia of India mentions important formulas of Brahmi as Sarasvataristha, Brahmi Ghrita, Ratnagiri Rasa, Brahmi Vati, Sarasvata Curna and

Smrtisagara Rasa. The herb can be taken as ghrita (medicated Ghee), medicated oil, churna (powder), svarasa (fresh juice), infusion, decoction, tincture (fermented beverage), syrup, tea, lepa (paste), pill or eaten fresh (leaves). As a milk decoction, Brahmi is a good brain tonic, particularly if combined with Aswagandha. Sarasvataristha is a fermented beverage (tincture) in which Brahmi is the major constituent, used in the treatment of infertility, epilepsy and mental disorders. As a medicated oil, it helps relieve joint pain, headache and to clear the mind. When massaged on the skull, it works as a brain tonic to strengthen memory and encourage hair growth. Brahmi paste applied to the neck is very useful in cough and pneumonia, especially in children. Topical use also treats diaper rash in infants. Brahmi lepa (paste) helps to reduce swellings.

Brahmi is one of the rare Ayurvedic herbs, which can be grown almost anywhere when provided ample hydration, and is widely available. It has been used for centuries in various forms and a vast body of literature and experience supports its advantages. Interestingly, the whole plant could be used for medicinal purposes. Ayurveda is the complete knowledge of life. Brahmi helps to achieve the primary goal of Ayurveda, which is to prevent and treat illnesses and enhance lifespan by maintaining proper balance between the body, mind and the soul. Its therapeutic range is wide, and can be used in prevention as well as cure of a variety of disorders. It is a sattvic herb, which comes from the same root as Brahman, whose nature is Sat-Chit-Ananda. Its sattvic quality can help build strong ojas, reduce bad habits, and treat addictions. It balances all doshas, dhatus and has an effect on almost all the Srotas of the human system and, based on the studies, animals too. Being a nervine agent, it is beneficial in many neurologic and psychiatric disorders. This unusual herb has tonic, sedative and at the same time stimulant nervine effects. As a purifier, it is helpful in debilitating skin conditions. It strengthens the immune system and improves nutritional status, memory, intellect and longevity. It can help to achieve higher consciousness and improve meditation skills. By helping to open the crown chakra, it helps to achieve the highest goal of human life, which is self-realization. Its ability to be used in different forms as well as in combination with other herbs makes it a popular medicinal plant. Finally, we have to agree with Swami Sivananda, "Rarely is it possible to come across an herb of such great worth."

**STAY HEALTHY, BE HAPPY...!!!**

**Aman Kumar Jha and  
B. Tech ( 2016-20)  
Supraja Reddy  
B. Tech ( 2015-19)**

**Student Editor Special**



## My Program

This one is from your CS friend, you know  
with constant complexity notation of big O.

You are the `main()` of my program

Without you I can't be built or ran..

You are the semicolon of my statement  
without which I cannot be terminated to an end.

You are the class to which I belong  
with all the data types from `int` to `long`.

You are my Boolean value with always true  
without which I can't live cause I love you.

You are the algorithm of my code  
which together makes my software or one of its node.

Without you, I have no meaning to exist

as u r my logic without which I can't persist.

So do not worry if you ever have a bug

Still you will be my most efficient code I have ever worked.

Isha Pali  
B. Tech(2015-19)

## Expressions



### Success: A Journey

Today morning I was just standing, gazing though the windowpane, thinking about what actually success is? Is it only about reaching the apex of material benefits or is it about prospering in personal life. I thought a lot and finally, reached a conclusion, that it is actually only you, who can answer this question. As the definition of success varies from person to person, depends what you consider success to be. However, there is one thing common in everyone's choice, all those hunting for success will come across failure one time or the other.

The fear of getting failed pauses the journey of success and this is the situation that one should be most afraid of. In your journey, you will definitely come across lots of challenges. You have to be courageous enough to take risks. It is very simple, if you win then you may lead others and if you loose then you may guide others. Its being rightly said that failure is stepping stone to success. Never regret failures in life. Every situation has a positive message you only need to explore.

If you want to achieve something in your life that you never had then definitely you also have to do something you have never done. I personally think that success is not a destination; instead it's a never ending journey. A journey, which teaches a lot and whose teachers are the mistakes. out of which the best one is the last mistake done.

Always keep faith in yourself. Believe that you have been put in this situation only because you are strong enough to bear it. You are capable enough to fight and triumph through every obstacle that comes in your journey. The only need is to let yourself free from all the fears and fly candidly in the open sky.

**Pujam Janghel**  
**B. Tech (2015-19)**

## **DEVICE TO SUCCESS**

They coveted a circuitous cipher

Began with benign hope,

Bijou success abjured faith in self.

But did they absolve? Didn't they abstain from life?

Absurd decisions in abstruse situations,

Hinder even your plod

Take a ploy to stand amongst crowd,

Have faith in destiny for you have curried favour of god's people.

Halt overconfidence by standing stiff on ground,

See your position against curmudgeon.

Let opportunities be cut and thrust,

Have knowledge enough to curb the fray.

Busted heart may burn your boats

But end is the beginning of new outset.

Abolish prejudices and biased culture of abortive circumstances with fortitude;

Accede to expectancy of academia

One must not give up self-desires to fly,  
Acquiesce past, desire for auspicious future,  
But live in this capricious present with  
A conviction for not only your but mass welfare.

Nandini Sinha  
B. Tech. (2016-20)



Nandini Sinha  
B. Tech. (2016-20)

### THE WALK

What can I say about life?  
It's just nothing that there is,  
yet it is all that we feel there is  
I walk down this road

I feel everything there is to feel

Hear each sound

Hear each breath

Hear the wind

Hear the roars

Hear the bells

Hear the chirps, the quacks, the whacks,

the grunts, the moans, the screams,

the zaps to the las,

there is nothing I can't hear

And I see

I see colors, shades, textures, surfaces,

the remains, the never been's, the lights, the darks, the reds,

the blues, blacks, whites

I see so much

I don't see so much

I feel curious

for the more I see the more I want to keep seeing

I see the life, the death,

and the in between's of the two extremes

So what can I say when I am speechless

for seeing has left me impaired

for seeing has left me desireless,

completely lost

in an illusion

or is it real?

I can never know, never know what it is that I feel

Can you believe?

I couldn't

I wouldn't

I shouldn't

or should I?

I won't.

But what I see must be,

The red, the blue,

the yellow, the green, the select, the neglect,

I see everything, this man has no regrets

Crisp, taut, bleak, limb, droopy, shade, texture, life,

air, black, dark, I see, and see, and see

I smell,

smell the flowers, the fragrances, the costs, the notes, the pots,

the smoke, the sweat, the heat,

the cold,

the molds,

the wet,  
the dry, the misty fire,  
the trees,  
the leafs,  
the mud, the life,  
the cool water, the hot steam  
I smell the lava and the kerosine

that ignites in me

a sea of calm

A trust on life

a trust in all that lives

a trust that never takes and always gives

Can I feel the life in me?

Can I smell the life in me.

Can I know the life in me?

Can I know the smell in me?

Can I know the smell of my life in me?

At least, can I know that could I know the smell of my life in me?

The walking's continued, the walk's made

The walk is built

The walk is constructed

The walk is heated

The walk is cooled

The walk is cooked

The walk is drawn

The walk is played

The walk is written

The walk is read

The walk is sung

The walk is hung

The walk is tried

The walk is repeated

The walk, it is lived by me

The walk by me

The walk I started,

but never finished

The walk I prefer

The walk I swim

The walk that I walk

For walking, the walk is what I walk most

There's fire sometimes,

sometimes ice.

Sometimes there's something,

Sometimes it's otherwise

Sometimes there is dance,  
sometimes music

Sometimes they are in jeans,  
sometimes in beans,  
sometimes in jackets,  
sometimes with rackets,  
sometimes with habits,  
sometimes with packets,  
sometimes they smile,  
sometimes they don't,  
sometimes they won't,  
sometimes they don't have time

But on the walk I always walk, I see a lot of walks,  
a lot of walks walking by  
And I think,  
did I choose the right one?

**Yash Saxena**  
B. Tech(2015-19)

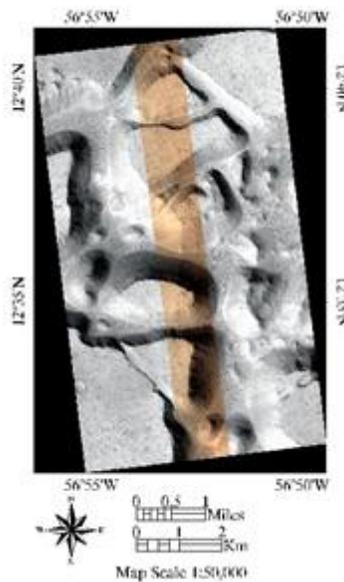
## **Research @ NU**

### **ISRO Accepted NU's Mars Orbiter Mission (MoM) Project**

A project proposal by Dr Mohd Anul Haq (Assistant Professor, GIS Area) titled 'Understanding the Geomorphology of Martian Surface using Mars Orbiter Mission (MoM) Datasets' has been accepted by ISRO. The major objective of this project is to

understand the geomorphology of glacial landforms using MCC and the inversion and assimilation of surface temperature of Mars using TIS data for glacial geomorphology.

Mars Orbiter Mission (MOM) is India's first interplanetary mission to Mars launched on 5th November 2013, to give us insights of the planet Mars. The aim of the project is to extract and analyse the Geomorphology of Martian Surface using MoM Datasets (MCC and TIS). This mission to the red planet includes exploration of its surface features, geomorphology, and mineralogy and to scan Martian atmosphere for methane, which is produced here on Earth primarily by living organisms. It has been configured to carry out observation of physical features of the planet and carry out limited study of Martian atmosphere with five payloads.



## Achievements

### Paper Presentation by NU Student at Hong Kong

**Divya Sara Kurian**, a B Tech (CSE 2013-17) student presented a paper titled 'Health Monitoring Using Wearable Sensors and Cloud Computing' at International Conference on Cybernetics, Robotics and Control (CRC2016), Hong Kong on 20th August 2016. The research was done under the guidance of Prof. Jetendra Joshi.



## Multiple Paper Presentation by NU student at International Podiums

**Amrit Bagga**, a B. Tech(ECE 2013-17) student presented a paper on Sensor Based Structural Health Monitoring at the IEEE International Workshop on Environmental, Energy, and Structural Monitoring Systems (EESMS) held in Bari, Italy on 13-14th July 2016. He presented another paper on wireless sensor networks at a conference held in Budapest, Hungary on 27-28th June 2016.

To add up to his inventory he was one of the only two students in the world to be granted a total of 800 USD for attending the conference. The grant was sponsored and awarded by IEEE Computational Intelligence Society.

