



NU

NIIT UNIVERSITY

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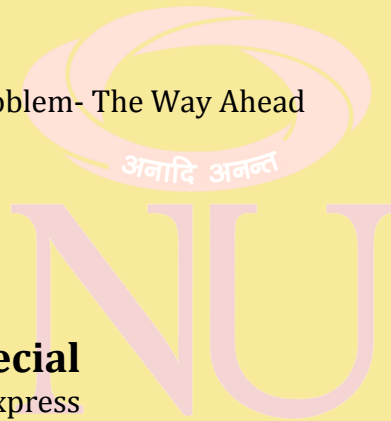
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NETAJI SUBHAS INSTITUTE OF TECHNOLOGY



From the Editor's Desk

Dear Readers,

As we tap into the last month of the year 2015, nostalgia sneaks in as we bid good bye to our final year students, who have been with us since 2012 and contributed in their own way in making NIIT University what it is today. We also gear up to welcome the new year 2016 and get ready to receive the opportunities and face the challenges that come with it.

The highlight previous month was the 7th Annual Lecture. A detailed picture report of the event is added in the newsletter. One of our students, Manash Jyoti Deka, B.Tech 2013-17, went abroad to present his paper and was awarded the Best Paper Presenter. We present a short write-up on his achievement as well as his photographs and details of paper in the Achievements section.

The regular features remain there with some interesting contributions in form of articles, pictures and poems in the Expressions section by students. With this issue, we come to an end to the wonderful and picturesque journey of Leh Ladakh with student Aniruddh Jasu.

The NU NL team hopes that its readers like the contents of this newsletter. We eagerly look forward to your suggestions and feedback so do let us know your views on this edition.

Happy Reading!!

Best Wishes,

Anshima P Srivastav
Editor In-Charge,
NU Newsletter
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Special Events



PC: Google Images

7th Annual Lecture

The Annual Lecture was held on 15th November, 2015. The Annual Lecture was held in the University, with the Chancellor Dr. Karan Singh emphasizing on the topic: "Inter-faith Movement: The Confluence of Civilizations" in his speech. He explained how the movement refers to the cooperative, constructive and positive interaction between people of different religious faiths and/or spiritual and humanistic beliefs, at both the individual and institutional level. It was a very inspiring talk, encouraging the path of unity and synchronized development across the country. Some of the essential points that he talked about included the first Parliament of World Religions held in Chicago, the Vedanta's, the Paris attack, the different forms of religion, about the thought of reinterpreting our religious interpretations, the World Wide Fund for Nature (WWF), acceptance of multiple parts of the divine and enhancing our human consciousness. In the end, he concluded on a positive note by saying that if we think together, work together, we will attain peace and harmony.







Campus News



Talk By Bobby Ghosh

On 7th October 2015, there was an extremely interesting and mind-boggling talk by Mr. Aparisim "Bobby" Ghosh over Skype. Mr. Bobby Ghosh is a journalist and the managing editor of the business news website Quartz and was previously TIME Magazine's World Editor. The talk dealt about all his life experiences in Iran, Baghdad and various parts of the world and how he managed to survive his Indian identity there. He shared some of his very amazing anecdotes and enraptured the whole atmosphere with his words of wisdom.

DJ Night

A DJ night was organised for the students of the outgoing B.Tech. IV batch. The event was fun filled and not only the 4th years but everyone danced to the music of joy. The music not only brought energy and enthusiasm but positivity for their present and future.

Hindi Session for Japanese students

A Hindi learning session was organised by the university for Japanese students. University students Prachi Singh and Ashima Goel taught them Hindi under the guidance of Dr. Anuradha Parashar and were suitably rewarded. The students appreciated their efforts.

Photo Exhibition held at NU

There was a photo exhibition held on 15th November, 2015. It was a great success. It received many visitors and comments. Heartiest congratulations to the Photography Club and the photographers who worked really hard.

The following are the mentionable and appreciated photos as per the judges.

11 - Shashank

- 19 - Sourya Rudra
- 26 - Sourabh Madan
- 32 - Athul Madhusoodan
- 35 - Sourabh Madan
- 75 - M. Srikar
- 105 - Shreyash Soni
- 109 - Shreyash Soni
- 111 - Shreyash Soni
- 112 - M. Srikar
- 114 - Sourabh Madan
- 115 - Shashank



Start-Up Exhibition at NU

A Start-Up Exhibition was organised on the Annual Day to showcase the entrepreneurship and technical initiatives by our students. A total of 13 teams participated in the exhibition to showcase their startup ideas. Teams also got the opportunity to present their ideas to the NIIT founders Mr. Pawar and Mr. Thadani and get their feedbacks and suggestions. Three winners of the start-up exhibition, as decided by panel of judges, were:

1. Pranay Shah for his Network monitoring tool *Uch Neech*.
2. Afaq Ahmad and Shashank for their messaging application *Chattersation*.
3. Ujjwal Syal for his Petcare model *Petlery*.

Developers Society IN NU

The pre-launch event of DeSoc_NU was organized on 18th November, 2015. It was themed "A Wednesday" featuring the last lecture of Deepankar Tyagi (B.Tech. 2012-16) addressing the undergraduates of the University about the essence of Computer Science Engineering. The talk on overview of CSE included Linux, Kernel and Bootloaders (live demonstration) and Operating Systems. After the insights on "to develop" and "to develop a code", another talk centered

around "Methods to Code" was given by Rahul Chhangani, Software Engineer, TCO (NU). This left the undergraduates passionately curious to explore and understand the vision of DeSoc and be proud DeSoc_ERs.

Invited Talk: Kashmir Problem- The Way Ahead

There was an invited talk held on 14th November, 2015 by Dr. Sudhir S. Bloeria. The title of the talk was Kashmir Problem- The Way Ahead, in which there took place a healthy discussion regarding the problems in Kashmir and ways of resolving them. Dr. Sudhir explained about the condition of Kashmir since the independence till the present and the issues between India and Pakistan over the period of time. He explained the scenario by giving examples of the 1965 war , the 2008 crisis, human rights etc.

Diwali at NU

Diwali was celebrated on the Campus in a truncated manner on 11th November, 2015. A small Puja was performed by the students on Campus in the evening. It was followed by dinner for all students, faculty and the staff members and their families present on the Campus. Faculty and staff members residing nearby were also invited.

History of S&T exhibition

On Annual Day, an exhibition on History of Science and Technology was held in which total 7 teams participated. The exhibition received huge appreciation from visitors and judges.

A panel of judges evaluated the presentations. The panel included Mr. Rajendra Singh Pawar, Founder NIIT and Board Member of NU, Prof. Prosenjit Gupta, Area Director CSE and Mr. Akhilesh Agarwal, Director Technology Alliances.

Four groups of the History of S&T as decided by panel of judges are:

Ist

A Tribute -A.P.J. Abdul Kalam : (Sourabh Madan, Nupur Gupta, Harshit Sharma, Sunny Surana)

IInd

Iron Pillar-Team SAS : (Prachi Singh, Aakanksha Goel, Pranay Narain)

IIInd prize was shared by two teams

Water Conservation : (Swati, Debesh, Abhyudai, Haritha)

The Polymath Renaissance Team-The Chronicles : (Shivam, Samrath, Shikhil, Saurabh Nagre)

Heartiest Congratulations to all the teams on behalf of NU.

Nature Talk



PC: Google Images

INDIAN FLYING FOX



The Indian flying fox (*Pteropus giganteus*), also known as the greater Indian fruit bat, is a species of flying fox in the Pteropodidae family. It is nocturnal and feeds mainly on ripe fruits, such as mangoes and bananas, and nectar.

The Indian flying fox lives in rain forests and swamps, where a large body of water is nearby. It is found in Bangladesh, China, India, the Maldives, Nepal, Pakistan, and Sri Lanka.

The Indian flying fox is frugivorous or nectarivorous, i.e., they eat fruits or lick nectar from flowers. At dusk, these bats forage for ripe fruit. While ingesting fruit, these bats expel waste that pollinates and disperse seeds. This species roosts in large colonies of hundreds to thousands of individuals on large trees in rural and urban areas, close to agricultural fields, ponds and by the side of roads. It feeds on a wide variety of fruits and flowers, both wild and cultivated. A single young is born between April to early June. It travels long distances, up to 150 km to and from its roost, a night in search of fleshy berries.

Like other fruit bats, the Indian flying fox has been found to act as a natural reservoir for a number of diseases including the Ebola virus, rabies, and coronaviruses. These can prove fatal to humans and domestic animals. Researchers tested fruit bats for the presence of the Ebola virus between 2001 and 2003. Three species of bats tested positive for Ebola, but had no symptoms of the virus. This indicates the bats may be acting as a reservoir for the virus. Of the infected animals identified during these field collections, immunoglobulin G (IgG) specific for Ebola virus was detected in *Hypsignathus monstrosus*, *Epomops franqueti*, and *Myonycteris torquata*.

Status in the Wild: Least concern

Sources: wikipedia.org , teachindiaproject.org

Divya Sara Kurian

B.Tech. III

Student Editor Special



PC: fjisun.com

The Story of the Orient Express

It has only been a little more than a hundred years since man first took to the air; it has been less than a century since the first commercial passenger carrying flights. While it might be difficult for us to imagine an era in which international travel was primarily done on trains, it wasn't too long ago that what is arguably the world's most famous train stopped running.

Europe in the late 1800s was a place very different from today. The countries we're so familiar with did not exist. The United Kingdom of England and Ireland included both the Irish Free States as well as Northern Ireland, and while France was a republic, Germany was still a kingdom. Austria and Hungary were unified as the Austro-Hungarian Empire, and the Ottoman Empire included everything from Turkey to Iran. Italy too was a kingdom. Royalty was everywhere.

While the kingdoms of Europe had a great road network, cars were hardly a comfortable mode of transport for long-distance travel. Europe had a vast network of railways, but travelling across the entire continent involved changing too many trains and dealing with too many railway companies.

That changed in 1882, when George Nagelmackers, the enterprising son of a Belgian banker, decided to start a trans-European railway service. He put together 7 carriages and a steam engine, and announced a plan for a 2,000 kilometre round trip between Paris in France and Vienna in the Austro-Hungarian Empire. He called his train the Train Eclair de Luxe.

The trial run left the Gare de l'Est station in Paris on 10th October, 1882 at 6:30 in the evening. On board was a full load of passengers, and some of the finest European chefs and attendants. The guests were treated to a menu of oysters, soup with Italian pasta, turbot with green sauce, chicken 'à la chasseur', fillet of beef with 'château' potatoes, 'chaud-froid' of game animals, lettuce, chocolate pudding and buffet of desserts. The following day at 11:20 p.m., they arrived in Vienna, pampered and well fed.

Emboldened by the success of the trial run, Nagelmackers founded the Compagnie Internationale des Wagons-Lits, and set about buying sleeping, dining and luggage carriages from the legendary American railway engineer, George Pullman. The carriages were painted a deep blue and cream white, with golden pinstripes, and the insides were finished with the finest of wood and polish with the most luxurious of fabrics. On 5th June, 1883, the first Express d'Orient ran from Paris to Vienna as a regular timetabled service. Vienna remained the eastern terminus till 1883.

The Orient Express (as it was renamed in 1891) was a boat train. A train left Paris Gare de l'Est, travelled via Strasbourg, Munich and Vienna, and stopped at Girigu in Romania. There, passengers took a ferry across the Danube river and entered the Kingdom of Bulgaria, where they took another train from the city of Ruse to the city of Varna, on the coast of the Black Sea.

Over the years, the route of the Orient Express changed. First, the Austrian Alps were tunneled in two places leading to two different routes; the Orient Express split into two to travel through each of them (being known as the Simplon Orient Express and the Arlberg Orient Express, named after the tunnels). Then the Danube was bridged, leading to a direct railway line between France and Bulgaria. Then the line was extended to Constantinople (today known as Istanbul, the capital of Turkey). Finally, there was a railway line across the breadth of Europe, and you didn't have to change trains to get across the continent. Not even once.

The Orient Express did not stop being a boat train, however. The CIWL sold tickets all the way from London to Constantinople. In those days, the Channel Tunnel did not exist. Passengers boarded a train from London's Victoria Station and arrived at the small coastal town of Dover on the southern coast of England. There, they were ferried across the rough and busy English Channel by boat, to the French coastal town of Calais, where they took another train to the Gare du Nord station in Paris. There, they travelled across the city to Gare de l'Est to catch the Orient Express.

While the Orient Express was a standard timetabled passenger railway service, it became something of an enigma. It carried third class carriages, filled with working class people, as well as plush first class carriages, offering the finest in luxury train travel, and often occupied by royalty. For a time, princes and kings traveled on the same train as peasants, and although separated by carriages, they were united by experience. If one wasn't captivated by the scenic beauty of the Arlberg Pass in present day Austria, between Innsbruck and Vienna, he could get off at Venice to enjoy the canals and the gondolas, or call at Belgrade or Sofia to marvel at eastern European architecture. He could even travel all the way to Istanbul to shop at the Grand Bazaar, the largest marketplace in the world, all through just one train.

The Orient Express captured the imagination of various authors and filmmakers. Agatha Christie chose the Orient Express to stage one of her most intriguing murder mystery novel, the *Murder on the Orient Express*, where the world's finest private detective, Hercule Poirot, solves the murder of one of the train's passengers while the train is stranded in a snowstorm. Even Ian Fleming could not escape the charm of the Orient Express; in *From Russia With Love*, British secret agent James Bond escapes Istanbul with a defecting Russian spy and a cryptography machine, on board the Orient Express, fighting off spies as the train makes its way through the Soviet bloc countries. *From Russia With Love* was released in 1957, and a film based on the book was released in 1963.

The Orient Express remained a constant throughout a changing Europe. Through two World Wars, the entire face of the continent changed, with kingdoms falling and being replaced with independent countries. The train gained more and more stops for border control and passport checks. For a time, it became known as the Spies Express, due to it being a favourite mode of transport of intelligence agents of almost every country.

More notably, the Orient Express was witness to a play of power in both the World Wars. At the end of World War I, General Adolf Hitler signed the Armistice Treaty surrendering to the allied powers; this was done on an Orient Express carriage, number 2419, on November 11, 1918. The carriage had been borrowed from the CIWL and moved to the French city of Compiegne for this purpose. Hitler was insulted, and vowed revenge; when France was captured by Germany in World

War II, Hitler, now Chancellor of Germany, had the same carriage moved to the same location where on June 22nd, 1940, France signed its surrender to Germany. Finally, when it looked as though Germany would be defeated at the end of the second World War, Hitler had the carriage destroyed to prevent a repeat of the Armistice Treaty.

The Orient Express's days drew to a close in the late 1900s, as flying across the continent could be completed for quite a bit less money and far lesser time. Passenger numbers dwindled, and on May 19, 1977, the last service ran from Paris to Istanbul. Until 2001, the train ran between Paris and Budapest in Hungary and Bucharest in Romania, after which the train was truncated to its original route between Paris and Vienna via Strasbourg. In its final year between December 2008 and 2009, the Orient-Express (with a hyphen) ran as a standard EuroNight overnight sleeper train with the train numbers EN468 and EN469, operated by Oesterreich Bundesbahnen, the Austrian railway company. Today, the Orient Express name lives on, as a once-a-year special tourist train between Paris and Venice, operated by the CIWL, that runs in August and September. The train uses restored carriages built for the original train in the 1880s. Tickets cost upwards of three thousand dollars, per person.

Today, trans-European rail travel isn't dead; it's just faster. Where the journey took previously two nights, one can travel from London to Vienna by train in less than a day. An Eurostar from London to Paris takes less than two and a half hours, and a TGV from there to Strasbourg another three hours. From Strasbourg, the German high speed InterCity Express trains zip across Germany and Austria, arriving at Vienna in another seven to eight hours. From Vienna, overnight express trains operate to Hungary, Serbia, Croatia, Bulgaria and even Turkey. The windows offer some of the best sights from one can ever hope to see out of train, from mountain passes to valleys covered by snowy peaks, to rivers, to even mountain passes containing rivers in valleys covered by snowy peaks.

The Orient Express, however, can never be replaced. Like the Concorde, it was unsustainable in the face of dwindling passenger numbers. Like the Concorde, its withdrawal was a major step back for all globetrotters and wanderlusts all over the world. And like the Concorde, the romance of travelling on it can never be replicated.

Boudhayan Gupta
Student Editor

Expressions



PC: next-impulse.com

Poem Drawings

With a pen in my hand
I took to the sheet of white
To leave my mark on it
To be seen by other's eyes

It was faint at first
Abstract, non-sense, crayon-ish marks
But time was powerful
Form showed, as the star

The still told a story
A story to be heard
To be felt, to be lived
So alive, as if full of blood

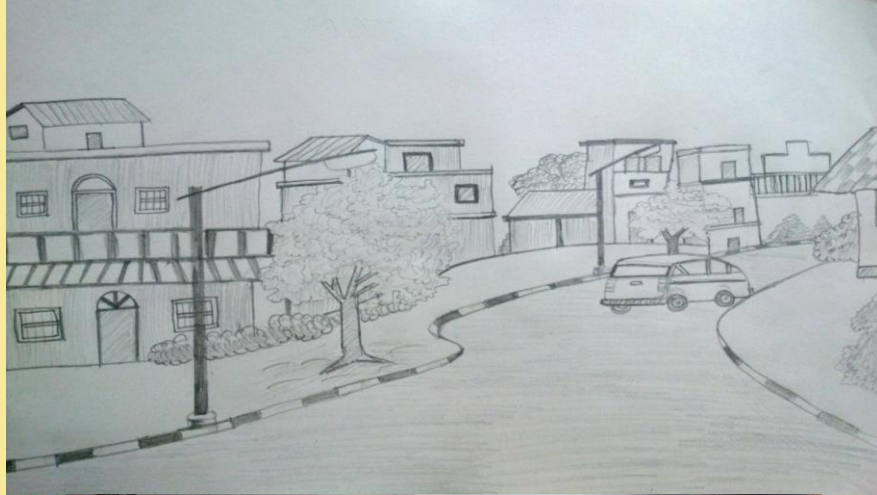
Name, it also had
Could never go without one
It was on everyone's lips
There was no identity without one

Sometimes I wonder
Shallow, as it may sound
The earth is a sheet of green and blue
Does it matter if it is round?

Maybe I am one too
An artist to be heard
I feel, I live, and when I die
I would have made my drawing *on* this world

Yash Saxena
B.Tech. (2015-19)

Art Work



Prachi Singh
B.Tech. (2012-16)

Painting



Sibeli Mukherjee
B.Tech. (2013-17)

Winter Leh Diary

Day 7: Rest Day – Shanti Stupa, Leh Market

We decide not to venture out today also. The day was spent lazing around in the room. We also paid a second visit to the Leh market. We also visited the Shanti Stupa which had some amazing views to offer all around. Saurabh & Ashmeet couldn't resist the urge for a jacket and bought one.



KHARDUNGLA PASS
Highest Motorable Road in the world
Distance : 9.50 km
Height : 18380 ft



Day 8: Leh-Delhi

Today, we fly back to Delhi. It was an amazing trip full of adventure and satisfaction of seeing the full glory of Leh in winters. Our caretaker at the army guest house believed that we had brought good weather & sunshine to Leh from Delhi. Rigzin was there to drop us to the airport. We settled his bill and he gave us a 15% discount on the total price. Rigzin was the one person who made our trip successful & enjoyable. We were also thankful to our caretaker, Saurabh (same name), for taking care of any & all of our requests. He bid us goodbye with a big smile, which made us feel that he enjoyed our company as well.

It was cloudy, so our AI flight was delayed and it took off around 12.20p.m. The flight experienced some extreme turbulence in the air. The plane was shaking violently at times & I was hell scared. The plane safely landed at T3-Delhi.

Our Winter Leh Trip has come to an end. We bid each other goodbye.

Nothing else, but the memories remain.

Aniruddha Jasu

MBA Finance & Banking, Batch 8

Test Your Brain



It was the first day of the college when a young girl was found dead on the college premises. The police narrowed down four suspects.

1. The Dean: He claims he was in his office whole day.
2. Maths Teacher: She claims that she was giving her students grades.
3. Peon: He claims that he was bringing the mails.
4. Mathew: He claims he was cleaning the roof of the college.

Answer for the previous mystery :

If the man shot himself after recording the tape, how did the tape play from the starting? Someone else must have rewinded it and made it look like a suicide.

Sanya Mittal
B.Tech.III

Research @NU

Spark up Idea Fund Program

Rahul Kumar (B.Tech.III) has got the official funding for his start up prototype which has been approved by iCreate Spark Up Fund (PM Modi and Narayan Murthy led 'Digital India' initiative for start-ups). He, along with his team member , Varshnee Raj from his batch would be working on the same and also Jetendra Joshi Sir will be mentoring the project to its completion.

They have received Rs. 50,000 to make the prototype and establish the start-up officially. They will be making a smartwatch which detects wavelengths of light to list characteristics of any physical/chemical/biological substances giving details of quantity, quality and purity and much more of the scanned substance. Also, it will include regular features of a current generation smartwatch.

Furthermore, iCreate has promised Rs.15 lac support and funding if the product shows promise in the market.

This a matter of proud for the University to have such students who are showing perpetual efforts in making good for the society.

Papers Presented

1. Manash Jyoti Deka has presented his papers “TMaaS: Traffic Management as a Service Using Cloud in VANETs” and “COMIP: Cluster Based Overlay and Fast Handoff Mobile IP System For Video Streaming In VANET’s” at the ICSIM 2015 IEEE 3rd International Conference on Smart Instrumentation, Measurement and Applications. The conference was at the Marriott Hotel, Putrajaya, Malaysia during 24-25th November 2015. The other authors of the papers are Yash Aggarwal, Kritika Jain and Pravit Tuteja. The paper was written under the guidance of Mr. Jetendra Joshi.



2. Pravit Tuteja has presented his paper “VWS: Video Surveillance on Wheels Using Cloud in VANETs” at the MIC 2015 IEEE 12th Malaysia International Conference on Communications (MICC 2015). The conference was at the Hilton Kuching, Sarawak, Kuching, Malaysia during 23rd-25th November 2015. The other authors of this paper are Yash Aggarwal, Kritika Jain and Manash Jyoti Deka. The paper was written under the guidance of Mr. Jetendra Joshi.



अनादि अनन्त

— NU —
NIIT UNIVERSITY
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Achievements

ICSIMA 2015 Conference

ICSIMA is the flagship event of the IEEE Instrumentation and Measurement Malaysia Chapter. ICSIMA's Technical Committee adds values and virtues to their skills, while attending to delegates' responses and queries diligently. Participation in their event will equip one with an unforgettable learning experience, as they are on their way to host more international events bearing flag of the major IEEE Societies'.

It is a great achievement by our student Manash Jyoti Deka (B.Tech.2013-17), who received the best Presenter award in ICSIMA 2015 held on 24-25th November, 2015 at Putrajaya Marriot Hotel, Malaysia for presenting a paper on Traffic Management as a service using Cloud in VANETs. He also presented a paper on Fast Handoff Mobile Based System. Once again, congratulations and kudos to him!



The best presenter award photograph



Upcoming Papers

1. Manash Jyoti Deka will be presenting his paper "OCTM: Over-Speeding and Congestion Reduction in Traffic Management" in the 2015 International Conference on Integrated and Sustainable Transportation (INTGAST) to be held at Kings Green Hotel, Melaka, Malaysia on 15-17th December, 2015. The other authors of this paper are Lakshya Gourav Moitra and Anshumali Singh. This paper was written under the guidance of Mr. Jetendra Joshi.
2. Pravit Tuteja will be presenting his paper "SBLS: Speed Based Lane Changing System in VANETS" in the ICM 2015- 27th International Conference on Microelectronics (IEEE) to be held at Farah Golden Tulip, Casablanca, Morocco, on 20-23rd December. 2015. The other authors of this paper are Yash Agarwal, Kritika Jain and Manash Jyoti Deka. This paper was written under the guidance of Mr. Jetendra Joshi.