

# *INTERFACE*

IN HOUSE NEWS LETTER  
From the department of  
*INFORMATION TECHNOLOGY*



NARULA INSTITUTE OF TECHNOLOGY

81 Nilgunj Road, Agarpara, Kolkata-700109, West Bengal

Chief Patron- Sardar Jodh Singh

Patron- Mr. Taranjit Singh

Prof. (Dr.) B.K Medya  
Mr. Soumen Ghosh  
Ms.Tamasree Biswas

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### **Chairman's Desk**

I always experienced a yearning to acknowledge my responsibilities and reciprocate by contributing to the growth and development of our society. Years ago when I visited my son's school, I perceived that the best way to advance society is by fostering education and it was at that moment that the dream and vision of JIS Group Educational Initiatives was conceived.

Publishing departmental news letter indicates a continuous growth of not only the department but also the faculty and students.

I wish the best for all our students, and the members of the college who reiterate their aims at providing the best in academic and extra-curricular fields on excellent lines.

**Sardar Jodh Singh**



### **Director's desk**

I must compliment the faculty, staff and students of IT Department, Narula Institute of Technology for carrying the dreams and aspirations of the founding fathers of the Institute by involving themselves in many research, training and policy advocacy activities that have been reported in the Newsletter. The Institute has been relentlessly strengthening its activities and focusing on the thrust areas. In 2012, more testing challenges await the Institute, and I am sure the IT Department, Narula Institute of Technology fraternity will not be found wanting in meeting them.

**Prof. (Dr.) Asit Guha**



#### **Principal's desk**

The idea of publishing the news letter keeps the surroundings aware of what developments are going on in a department. It not only encourages the faculties as well as students to explore their ideas but also provides recognition to their contribution to the engineering field.

I congratulate IT department for the initiative of publishing this news letter and wish that the content of the news letter increases not only quantitatively but also qualitatively every time it is published.

**Prof (Dr.) J.K.Das**



#### **HOD'S desk**

The Information Technology Department of this premier Institute equips the students with practical based knowledge modelled upon developments in software technology and its application in the relevant fields, both traditional and emerging.

We guide the students in proper direction amidst an atmosphere of open mind-set to make them inquisitive about the emerging technologies with sufficient theoretical and practical training enabling them to readily adapt themselves in the global market.

The I.T. infrastructure present at NIT consists of state-of-art Computer Labs with high speed internet connection. Professional liaison with leading Training and Research Institutes of the country are maintained for fruitful collaborations in emerging trends in the area of Information Technology.

**Prof. (Dr.) Bidyut K Medya**

## **Departmental news**

### ✓ **FDP ON WI-MAX, LTE , 4G & BEYOND**

All faculty and staff of IT department of Narula Institute of Technology organised a faculty development program on **Wi-Max, LTE, 4G & Beyond** from 1<sup>st</sup>- 12<sup>th</sup> July,2013.

### ✓ **LAB UPGRADATION THROUGH MODROB**

AICTE has granted funds for modernization and removal of obsolescence scheme for one lab run by IT Department.

<b>S. NO.</b>	<b>Approved Items (As per proposal)</b>
1	Desktop PCs (ordered)
2	Adobe Premiere Pro CS5.5(10 Users)
3	2 Online UPS(6KV) (already delivered)

### ✓ **VISIT OF EMINENT PERSON TO THE DEPARTMENT TO BE GIVEN**

Following eminent persons visited to the department to deliver their valuable speech

1. Prof. Ajit Pal, IIT Kharagpur
2. Prof. Saswat Chakrabarti, IIT Kharagpur
3. Prof. Samiran Chattopadhyay, Jadavpur University
4. Prof. Animesh Moitra, University of Calcutta
5. Prof. Bhaskar Gupta, Jadavpur University
6. Prof. Iti Saha Misra, Jadavpur University
7. Prof. Jibendu Sekhar Roy, KIIT University
8. Prof. Suvra Sekhar Das, IIT Kharagpur
9. Prof. Bhaskar Sardar, Jadavpur University
10. Mr. Chanchal Chakraborty, CTO, Reliance Geo Info
11. Dr. Swarup Mondal, Wipro Technologies
12. Mr. Ayan Paul, BSNL

Mr. Kalyan Das from Tech Mahindra Ltd, Kolkata came as external examiner for final

year project viva.

13. Mr. Ayan

### **Student achievement**

Following students of 2012 passout batch of IT dept are admitted to pursue ME/M-Tech/MBA course at different Universities/Institutes for higher study.

Sl No.	Name of student	Institute/University	Course name
1	Ms. Tanusri Mukherjee	BESU	M.Tech
2	Ms. Debapriya Sarkar		M.Tech
3	Mr. Kaustav Kundu	Jadavpur University,	M.Tech
4	Ms. Manali Pattanayak	, IIIT Bangalore)	M.Tech
5	Mr. Ashis Basak	Jadavpur University,	M.Tech

### **Student participation**

1. Mr. Arittra Pramanick participated and achieved 3<sup>rd</sup> position in Spring Fest 2012 (Youth Marathon) organized by IIT Kharagpur , in the year 2012.
2. Indranil Samanta participated and achieved 1<sup>st</sup> position in Spring Fest 2012 (Short film competition) organized by IIT Kharagpur, in the year 2012 and was the champion.

### **Students qualified in different exams**

Following students of the IT Dept are qualified in GATE/CAT/GRE 2012.

Sl No.	Name of student	Qualified in examination	Year of passing from NIT
1	Ms. Tanusri Mukherjee	GATE	//
2	Ms. Debapriya Sarkar	GATE	//
3	Mr. Kaustav Kundu	GATE	//
4	Ms. Manali Pattanayak	GATE	
5	Mr. Ashis Basak	GATE	

## Faculty achievement

### Publication:

Name of Faculty	Achievement
MR. Soumen Ghosh	Published paper in 4th World Congress on Biotechnology, DoubleTree by Hilton Hotel Raleigh-Durham Airport at RTP, NC, USA, "Symbolic representation of protein sequences on the basis of fuzzy representation of amino acids",
MR. Anirban Bhar	Published a paper in Spriger "Proto-Spiral: A Hybrid SDLC Model for measuring scalability early in development using a probabilistic approach",
MS. Sujata Kundu	Published a paper in Spriger Astrophys Space Sci, "Observational constraints of modified Chaplygin gas in RS II brane"
MS. Sujata Kundu	Published a paper in Spriger Astrophys Space Sci, "How effective is new variable modified Chaplygin gas to play the role of dark energy—a dynamical system analysis in RS"
MS. Shyamapriya Chowdhury	Presented paper in 3rd International of communication & control signal processing, "Revenue Maximization in a CRN Using Real Coded Genetic Algorithm"
MR. Soumya Bhattacharyya	Presented a paper in 1st International Conference on Computational & Communication Advancement , (IC3A) "Space Specific Remote Compilation Cloud Service in ZK Environment"
MS. Arpita Chaudhuri	Presented paper in 1st International Conference on Computational & Communication Advancement , (IC3A) 2013, Published in IEEE Proceedings, "Secure Authentication Based Hierarchical Routing for VANET",
MS. Arpita Chaudhuri	Presented paper in 1st International Conference on Computational & Communication Advancement , (IC3A) "Space Specific Remote Compilation Cloud Service in ZK Environment"

## Seminars & Conferences

Seminars & conferences attended by the faculty members & technical staffs-

1. Seminar on "Wi-Max, LTE, 4G & Beyond ",attended by Mr. Soumen Ghosh at **Narula Institute of Technology** in 2013.
2. Seminar on "English Language Training ",attended by Mr. Soumen Ghosh at **Narula Institute of Technology** in 2013.
3. Seminar on "Machine Intelligence ",attended by Mr. Soumen Ghosh at **Heritage Institute of Technology**, in 2013.

4. Seminar on **“Wi-Max, LTE, 4G & Beyond ”**,attended by Mr. Anirban Bhar at **Narula Institute of Technology** in **2013**.
5. Seminar on **“English Language Training ”**,attended by Mr. Anirban Bhar at **Narula Institute of Technology** in **2013**.
6. Seminar on **“Wi-Max, LTE, 4G & Beyond ”**,attended by Ms. Tamasree Biswas at **Narula Institute of Technology** in **2013**.
7. Seminar on **“English Language Training ”**,attended by Ms. Tamasree Biswas at **Narula Institute of Technology** in **2013**.
8. Seminar on **“Wi-Max, LTE, 4G & Beyond ”**,attended by Ms. Shyama Priya Chowdhury at **Narula Institute of Technology** in **2013**.
9. Seminar on **“English Language Training ”**,attended by Ms. Shyama Priya Chowdhury at **Narula Institute of Technology** in **2013**.
10. Seminar on **“Wi-Max, LTE, 4G & Beyond ”**,attended by Ms. Sujata Kundu at **Narula Institute of Technology** in **2013**.
11. Seminar on **“English Language Training ”**,attended by Ms. Sujata Kundu at **Narula Institute of Technology** in **2013**.
12. Seminar on **“Advanced Computing and Communication ”**,attended by Mr. Soumya bhattacharyya at **Narula Institute of Technology** on **April 9, 2013**.
13. Conference attended by Mr. Soumya bhattacharyya at **JIS, Kalyani** from **11<sup>th</sup>-13<sup>th</sup> January,2013**.
14. Seminar on **“Recent Trends in Information Technology”**,attended by Mr. Soumya bhattacharyya at **JIS Kalyani** on **19<sup>th</sup> September, 2013**.
15. Seminar on **“Advanced Computational Techniques”**, attended by Mr. Soumya bhattacharyya at **JIS Kalyani** on **20<sup>th</sup> December, 2013**.
16. Continuous Evaluation Program on **“Soft Computing and It’s Application in Computation”**,attended by Mr. Soumya bhattacharyya at **NIT, Agarpara**, in **2013**.
17. Workshop on **“Designing of Wireless Communication Networks Using QUALNET”**,attended by Mr. Soumya bhattacharyya at **NIT , Agarpara ,2013**.
18. Seminar on **“Algorithms ”**,attended by Mr. Soumya bhattacharyya at **Heritage Institute of Technology**, in **2013**.
19. Seminar on **“Wi-Max, LTE, 4G & Beyond ”**,attended by Mr. Soumya bhattacharyya at **Narula Institute of Technology** in **2013**.
20. Seminar on **“English Language Training ”**,attended by Mr. Soumya bhattacharyya at **Narula Institute of Technology** in **2013**.
21. Seminar on **“Advanced Computing and Communication ”**,attended by Ms. Arpita Chaudhuri at **Narula Institute of Technology** on **April 9, 2013**.
22. Conference attended by Ms. Arpita Chaudhuri at **JIS, Kalyani** from **11<sup>th</sup>-13<sup>th</sup> January,2013**.
23. Seminar on **“Wi-Max, LTE, 4G & Beyond ”**,attended by Ms. Arpita Chaudhuri at **Narula Institute of Technology** in **2013**.



24. Seminar on “**English Language Training** “,attended by Ms. Arpita Chaudhuri at **Narula Institute of Technology** in **2013**.
25. Seminar on “**Machine Intelligence** “,attended by Ms. Arpita Chaudhuri at **Heritage Institute of Technology**, in 2013.
26. Workshop on “**Designing of Wireless Communication Networks Using QUALNET**”,attended by Ms. Arpita Chaudhuri at **NIT , Agarpara ,2013**.
27. Seminar on “**Wi-Max, LTE, 4G & Beyond** “,attended by Mr. Kousik Ganguly at **Narula Institute of Technology** in **2013**.
28. Seminar on “**English Language Training** “,attended by Mr. Kousik Ganguly at **Narula Institute of Technology** in **2013**.

## **Noticable student projects**

Noticable student projects in B-Tech in 2012-2013.

<b>Name of the Project</b>	<b>Project Member</b>
ONLINE RESUME BUILDER	Nandeeta Mukherjee Surbhi Bhandari Ankita Paul
WEB INTELLIGENCE USING PHP (SEO)	Aritra Das Souvik Mukherjee Aritra Pramanick Indranil Samanta Soham Kundu
TIME TABLE GENERATION	Agnihotra Mazumder Sourav Ray Sudeshna Seal
SOCIETY MANAGEMENT SYSTEM	Gourab Chanda Snehal Mitra Suchira Ray
COLLEGE ADMINISTRATION SYSTEM	Debosmita Dey Choudhury Aryya Khasnobis Shuvadip Lahiri Souravi Banerjee Debasish Majumder