PHOENIX

IN-HOUSE NEWS LETTER
FROM THE DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING



NARULA INSTITUTE OF TECHNOLOGY
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CHIEF ADVISOR- Prof.(Dr.)J.K.DAS ***ADVISOR- Prof.(Dr.)P.K.BANERJEE***
EDITORIAL BOARD-DOLA GUPTA ,KAUSHIK SARKAR,SURAJIT BARI,ANILESH DEY AND PRANAB HAZRA

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FROM CHAIRMAN'S DESK

The main focus of our group is to empower students with sound knowledge, wisdom, experience and training both in the academic level of Engineering and Technology in the highly competitive global industrial market. Adequate care is taken to give every student an enjoyable, well-rounded and secure educational environment. Help and care is always at hand for the students.

Publishing half yearly 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.

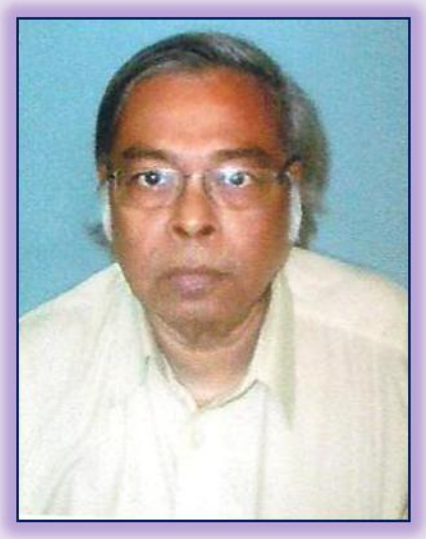
Sardar Jodh Singh



FROM DIRECTOR'S DESK

I must compliment the faculty, staff and students of ECE 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 ECE Department, Narula Institute of Technology fraternity will not be found wanting in meeting them.

Prof. A. Guha



FROM 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 ECE 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. J. K. Das

FROM H.O.D'S DESK



To begin with, I take the privilege of thanking Respected Chairman and Director of JIS group, Principal, NIT for giving a desk in our first in house news letter of ECE department, which is very heartening for us.

It is not feasible to embrace all the events of a year but an attempt is done to circulate as much as achievable. I show appreciation towards the involvement of each teaching and non teaching staffs of ECE for the issue of this news letter.

I am personally grateful to Prof. P. K. Banerjee, Prof. A. K. Mallick and Prof. J. Das, for their enormous encouragement and guidance. As already stated that this is the first news letter we have integrated all the events of 2011(Jan-Dec) .

Prof. M. R. Kanjilal

DEPARTMENTAL NEWS

- ***GENERAL***
- ***KULPI TOUR***

We, the ECE Department of Narula Institute of Technology had organized an one day educational tour on 17th of May, 2011 where we visited one of the BSNL Satellite Earth Station in West Bengal. The location is a port town known as Kulpi, located in South 24 Parganas which is about 78 km ,south of Kolkata. The place is well connected by NH 117 and 72 km from Sealdah on the Sealdah-Lakshikantapur-Kakdwip-Namkhana track of Eastern Railway.



Photo at Kulpi

The Satellite Earth Station is a terminal through which extra planetary telecommunication can be done with radio waves. It was our great privilege that **CGM** of **BSNL** Eastern region himself described the Ring protector method.



- ***MISSION 10X***

Surajit Bari, Kaushik Sarkar and Anilesh Dey had attended Mission 10x faculty development program conducted by **Wipro Technologies** held in Narula Institute of technology from 31 Jan-4th Feb 2011.

- **Lab up gradation through MODROB**

AICTE has granted funds for modernization and removal of obsolesces for two labs run by ECE Department .

1. MPLS, ISDN Trainer Kit, CDMA01 Trainer Kit, OPNET have been installed in Advanced Communication Lab by AICTE funded MODROBS project
2. HFSS Software, Microwave Test Bench and Equipments have been installed in Microwave Lab by AICTE funded MODROBS project

- **Prof. (Dr.) S.K.Lahiri, ex Prof. IIT Khargpur had visited ECE department in the month of September, 2011.**
- **Prof. (Dr.) B.K.Sarkar ,Emirates Professor ,Dept. of Electrical and Electronics Engg. IIT Kharagpur had visited to department also evaluated the grand viva for fourth year student May ,2011 .**
- **Prof. (Dr.) D.R.Choudhury ,Professor Calcutta University had inspected the projects for fourth year students May ,2011**

STUDENT ACHIEVEMENT

Following Student of 2011 pass out batch of ECE Department are admitted to pursue ME/M-Tech/MBA Course at different Universities/Institute for higher study

Sl.No.	Name of the Student	Institute /University	Name of The course
1	**Suryalok Sarkar**	**Vellore Institute of technology**	M-Tech
2	**Rukmini Roy**	**CSIR,Durgapur**	M-Tech
3	**Ayon Roy Chowdhury**	**Pilani ,CSIR**	M-Tech
4	**Dyuti Chatterjee**	**VLSI, Jadavpur University**	M-Tech
5	**Asif Hossain**	**AI and Robotics, Jadavpur University**	M-Tech
6	**Saikat Das**	**Microwave, Bardhaman**	M-Tech
7	**Sujoy Bose**	**Microwave, Bardhaman**	M-Tech
8	**Arijit Majumder**		**MBA**

Student Participation:

i) Following Student participated in 'EXPLORE' organized by IIT Kharagpur in the year of 2010.

ANIRBAN JYOTI HATI, SAYAN GIRI, AJITAVA KUNDU, ALEKHYA CHOUDHURY, SUVADIP ROY, ANIRBAN ACHARYA, SRIMANTA MONDAL

ii) Following Student participated in 'ROBOWAR' organized by JIS Group at Narula Institute of Technology in the year of 2010.

ANIRBAN JYOTI HATI, SAYAN GIRI, AJITAVA KUNDU, ALEKHYA CHOUDHURY, SUVADIP ROY, ANIRBAN ACHARYA, SRIMANTA MONDAL

Note: Group formed with ANIRBAN JYOTI HATI, SAYAN GIRI, AJITAVA KUNDU, ALEKHYA CHOUDHURY Had been Championed in **'ROBOWAR'**

iii) Following Student participated in 'ROBOTICS EVENT' at BESU also at Kalyani Govt. Engg College.
SUVADIP ROY, ANIRBAN ACHARYA, SRIMANTA MONDAL

Following Student of ECE Department are Qualified in GATE/CAT/GRE 2011

Sl No.	Name of the Student	Qualified in Exam.	Year of passing from Narula Institute of Technology
1	**Suryalok Sarkar**	GATE	2011
2	**Ayon Roy Chowdhury**	GATE	2011
3	**Saikat Das**	GATE	2011
4	**Sujoy Bose**	GATE	2011
5	**Irin Bandyapadhyay**	GATE	2011
6	**Arpita Dutta**	GATE	2011
7	**Haritri Goswami**	GATE	2011
8	**Junaid Ahmed Khan**	GATE	2011
9	**Chandrakant**	GATE	2011
10	**Shekhar Biswas**	GATE	2011
11	**Poulami Ganguly**	GATE	2011
12	**Arijit Majumder**	CAT	2011
13	**Anirban Bhattacharya**	CAT	2011
14	**Anshu Kumar**	CAT	2011
15	**Joy Prakash Gupta**	CAT	2011
16	**Amrita Mahapatra**	CAT	2011
17	**Dipanjan Devnagar**	GRE	2011
18	**Pallabi Bhattacharya**	GATE	2012
19	**Somdyuti Paul**	GATE	2012
20	**Suman Das**	GATE	2012
21	**Shibaji Paul**	GATE	2012
22	**Poulami Das**	GATE	2012
23	**Anirban Jyoti Hati**	GATE	2012
24	**Suvadip Roy**	GATE	2012

- ***FACULTY ACHIEVEMENT***

Publications

Name of the Faculty	Achievement
Dr M. Ray Kanjilal	Two Books have been written in 2010 and 2011, one Book has been revised in 2011, One Journal paper and four conference papers have been published in 2010 and 2011
Mrs S. Mangeesh	One International conference (open access Journal) paper and one National conference paper have been published in 2010
Mr. S. Panda	Two books have been published in 2010 Two international conference in 2011 and four National Conference in 2011 papers have been published.
Mr. S. Bari	One Paper will be communicated very shortly, results are ready .
Mr. A. Dey	One National Conference Papers in 2010-2011 have been published and two International Conference Papers have been published in 2011.
Mr K. Sarkar	One paper has been published in International Journal, two International Conference papers have been published in 2011 and one paper has been communicated.
Mr. P. Hazra	One National Conference paper has been accepted in 2011
Mrs S. Pattanayak	Best poster award at IEEE- CALCOMM-"Prediction of Pathloss using ANN" organised by IEEE-calcomm and Narula institute of Technology in 26th March 2011.
Mr. S. Pal	One Paper will be communicated very shortly, results are ready .
Mrs. D. B. Gupta	One Paper has been accepted in International conference in 2011 and two paper has been communicated in International Conference in 2011.
Mrs. A. B. Santra	One IEEE Conference paper and one National Conference paper published.
Mrs. D.Ghosh	Involved in research work,one paper to be communicated shortly.
Mrs. S.Roy	ORGANISED SEMINER, INTERNATIONAL SEMINER, LECTURE MEETING etc. as an active member of IEI, West Bengal State centre.
Ms. S. Banerjee	Involved in research work,one paper to be communicated shortly.
Ms. A. Das	One Paper has been accepted in International conference in 2011.
Ms. P.sarkar	One Paper has been accepted in IEEE Conference in 2011.

- **Taiwan visit by Kaushik Sarkar**

Kaushik Sarkar presented a paper titled “Is It Rational To Partition A Data Set Using Kernel-Clustering?” in 2011 IEEE International Conference on Fuzzy systems (FUZZ-IEEE 2011) held at Taipei, Taiwan (June27 to June 30, 2011). For this trip he received a grant from DST.

IEEE CALCOM

The Executive Committee of the IEEE Calcutta Chapters ComSoc and ECE Dept. of Narula Institute of Technology under the patronage of JIS Group had organized an One-Day Educational Program in March, 2011 in keeping with the goals and missions of the IEEE as well as JIS group. The program was then finalized as IEEE CALCOM 2011 with proposed date as March 26, 2011 to be held at Narula Institute Of Technology Agarpara , Kolkata 109.



From L – R : Mr.U.S Mukherjee, Sardar Jodh Singh, Prof.S.K. Chakravarty, Prof. J.K.Roy, Prof.M.R.Kanjilal

The invited expert Speakers were from IBM, WIPRO and NIT to talk on emerging fields of Communication Systems specifically Mobile Computing & Bluetooth Communication. The inaugural session of the IEEE CALCOM 2011 was Chaired by the invited Chief Guest Sardar Jodh Singh ,Chairman,JIS Group, Prof(Dr) Asit Guha Director JIS Group, Mr.U.S Mukherjee Dy.Director JIS Group, Prof(Dr.) S.K. Chakravarty, Principal NIT and Dr. Swarup Mandal, Wipro Ltd. Kolkata as well as Chair, ComSoc Chapter.

The lecture session was divided into four sessions among the five eminent speakers Mr. Sunirban Ghosh, IBM, Kolkata. Mr**.** Pinaki Sengupta and Mr. Anirban Roy, Wipro Ltd. Kolkata Dr.Swarup Mandal, Wipro Ltd. Kolkata, Prof(Dr)J.K.Roy, Dean (Research),Narula Institute of Technology, which were chaired by Prof(Dr.) S.K. Chakravarty, Principal NIT, Prof.(Dr)M.R.Kanjilal, Prof(Dr.) A K Mallik, Prof. Sangeeta Mangesh.The Concluding session had been conducted by the Prof (Dr.) M.R.Kanjilal, convenor of IEEE CALCOM 2011. On "Thanksgiving" note, she expressed his sincere thanks to the expert Speakers and the participants with special encouragement to the students. She also thanked the faculty and staff members of ECE department for their selfless contribution.



Top From Left to Right : Mrs Damayanti Ghosh, Mrs Sandhya Pattanayak, Mrs Dola Bhattacharjee Gupta, Mr Saradendu Panda, Mr Pinaki Sengupta,Mr Sunirban Ghosh. Below From Left to Right : Prof. P Vankateshsaran,Mr Anilesh Dey,Prof Sangita Mangesh, Ms Swati Banerjee, Prof.(Dr) M.R Kanjilal,Prof(Dr) A.K Mallik, Prof(Dr). J.K.Roy Dr.Swarup Mandal, Sunirban Ghosh.Mr Pranab Hazra.Mr Soumen Pal

- ***SEMINARS AND CONFERENCES ATTENDED BY FACULTY MEMBERS AND TECHNICAL STAFF***

  - Seminar attended by Kaushik Sarkar and Pranab Hazra at Hayat ,"Texas instrument embedded series seminar" on 9/7/2011.
  - Seminar attended by Kaushik Sarkar and Pranab Hazra at Hayat ,"Computational intelligence in Brain computer interface and context ever service management "at ISI on 14/3/2011.
  - HFSS seminar attended at MCKV by Pranab Hazra and Arpita Barman Satra in the month of August. Year 2011
  - IEEE CASCOM and IEEE CALCOM seminar attended by Damayanti Ghosh and Dola Gupta 2011
  - National conference attended at Siliguri ,SIT, September by Arpita Barman Satra and Anilesh Dey in the month of September 2011.
  - Prof.(Dr) M.R. Kanjilal ,Prof. Saradindu Panda,Prof. Anilesh Dey, Prof. Sangita Roy Prof. Soumen Paul ,Prof. Pranab Hazra, Prof. Damayanti Ghosh, ,Prof. Arpita Barman Satra,Prof. Swati Banerjee, Prof.Arnima Das ,Prof. Avijit Ghosh, Prof. Piu Sarkar,Prof .Sohan Garai , Prof. Surajit Bari, Mr. Bholanath Pal ,Mr. Atanu Waddedar have participated in 1st international conference on" Communication and Industrial Application ICCIA 2011" from 26th to 28th of December 2011 organised by Narula Institute of Technology at Science City,Kolkata