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Shankha Kar Bhowmik | 97 MIN

Send your details to gaabesu@gmail.com to include your id in our global mailing list.

EDITORIAL

An appeal from Team Alumni Link.

When we speak of a team, we mean a group of people. But it has been a real challenge to assemble even a team of 3 or 4 active alums to collect news from social media and other open sources and compose news articles. We also know that our alums eagerly wait for the Alumni Link. May we request you again to step forward and volunteer so that we can initiate and sustain the existing and proposed activities on behalf of GAABESU for the common interest of Students and Alumni community?

Though EC of GAABESU (under article 11.3 of its Charter) is empowered to make a call on membership fees, we decided to seek feedback from our existing members before taking any action. Based on the huge feedback we received, it has been decided that we are going to increase the Membership Fees. Before we make the announcement (latest by July 2015), we request all annual member and non-member alumni to take this opportunity to join GAABESU with the current membership fees (₹2500 in India and Sub-Continent/ ₹5000 in Middle East/ \$300 in the developed economies).

To become a life member, please fill out the application, e-mail it to gaabesu@gmail.com and make a membership payment or donate equivalent amount to any GAABESU managed projects - Travel Grant, Research Award, Admission Grant, Scholarship, and Fellowship for Excellence. You can pay on-line via credit/debit card or on-line banking in India (SBI Collect) or in abroad (PayPal/Credit Card). You can also pay your memberships via cheque/draft or in cash too. If you become a life member before the next GAABESU Executive Committee election is announced, you can participate in the election as a candidate and/or as a voter.

Alumni Link | Editorial Team



INAUGURAL ALUMNI DAY 2014

GAABESU successfully organised the First Alumni Day on Sunday, December 28, 2014. Around 400 alumni participated in this gala event to reminisce their bygone days with friends and families and rekindle our camaraderie at our own campus. The event could not have been successful without the active involvement of the present students. Around 40 of them worked till midnight to make this event a grand success. Alumni volunteers from all over the world came forward to share the responsibilities and collect donations and sponsorships.

Some young alumni and present students arranged the Live Webcast of the entire program which is uploaded in YouTube in seven (7) parts. For details search “IEST Shibpur Alumni Network” in YouTube or type the short URL <http://goo.gl/ztoiYS>. While www.becollege.org is still active, some active student volunteers designed our new website www.iiests.org which was launched during the event. Present students designed the banners for *The Telegraph* and the stage backdrop for the event which concluded with a pleasant cultural program by some of our renowned alumni. There was a stall with published/released creative product (books on literatures, engineering, musical album, feature films, etc.) in commercial market from alumni community for display at the event. We are thankful to our sponsors and alumni for their donations to the students and alumni causes.

Alumni Day 2014 Links:

Photo Album: www.iiests.org/gallery_gaabesu/gallery

Watch Entire Event at YouTube:

https://www.youtube.com/playlist?list=PL3VWykh-4fy0Ti_oIPhE-sQWxqC2oCII

Download e-Souvenir:

<http://www.becollege.org/projects/docs/AlumniDay2014Souvenir.pdf>

Download final list of participants:

<http://www.becollege.org/projects/docs/FinalConfirmedAlumni.pdf>

Backdrop of the Stage:



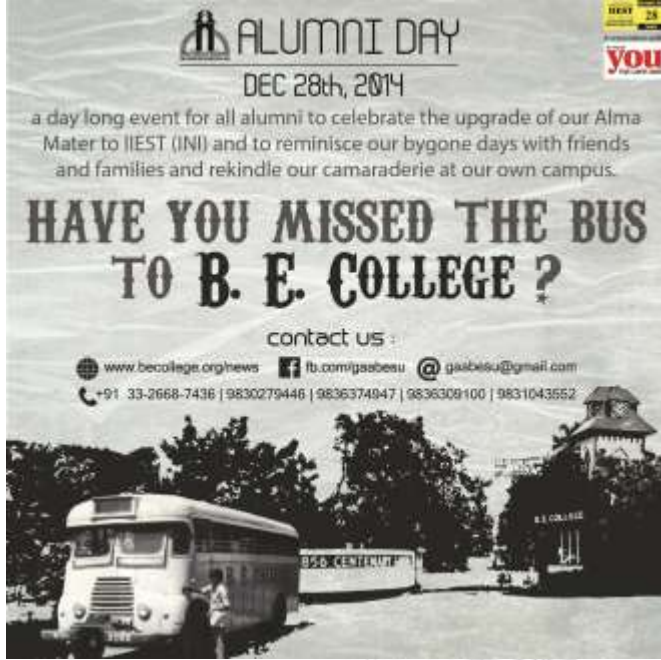
Backdrop was designed by Sandeep Majumder, a 4th year student of Architecture.

The Telegraph Advertisement - December 18, 2014:

epaper.telegraphindia.com/details/126347-175719812.html



The Telegraph Advertisement - December 23, 2014:
epaper.telegraphindia.com/details/125236-16521484.html



Designed by Som Sundar Roy, a 4th year student of Architecture.

The Telegraph Coverage - December 18, 2014:
epaper.telegraphindia.com/details/136462-18120171.html



Sponsors of the event:

I. R. Technology Services Pvt. Ltd. – Kolkata	Spectra Engineers Limited – Dhaka
Ashoka Buildcon Limited, Nashik, Maharastra	Mageba Engineering Connections – Kolkata
Lafarge India Pvt. Ltd. – Kolkata and Mumbai	ADAPT International Pvt. Ltd. – India and USA

EBIW – USA, India, China and Bangladesh	Fedders Llyod Corp. Limited – New Delhi
GPT Group – Kolkata	US Bengal Forum – USA
C. D. Automation Pvt. Ltd. – Kolkata	Texmaco Rail & Engineering Ltd – Kolkata
D. D. Construction – Howrah	Kamala Engineering Works – Howrah
Apollo Gleneagles Hospitals – Kolkata	The Telegraph YOU – Kolkata

Senior most participants at Alumni Day 2014:



Bijoy Gopal Datta, 48CE and Kamada Babu (Prof. K K Majumder) - Photo by Sampa Pramanik, '90EE

Tee Shirts for the Volunteers of Alumni Day 2014:

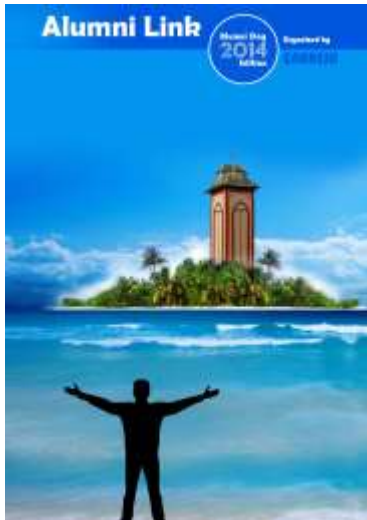


Volunteers' T-Shirts were sponsored by 5 alumni of 1974 batch – D N Chatterjee (CE), Bankim Majumder (CE), Amitabha Datta (CE), Pradipta Sinha (ME) & Saibal Baul (CE).

Souvenir and Memento for Alumni Day 2014:

Tee Shirt and Souvenir cover was designed by Sankha Kar Bhowmik ('97 MIN). Memento was conceptualized by Amitabha Dutta ('74 CE). Souvenir

printing was coordinated by Bikram Das (4th Year CE) with his friends.



We wish to see you on 27th December, 2015 during 2nd Alumni Day.

Partha Pratim Roy | 97 CE
(Convenor, Publicity)

BE COLLEGE ALUMNI GET TOGETHER AT NEPAL



BE College Alumni get together (held every six months) was held on 10.04.2015 in Lalitpur Nepal. In 1975 there were no Engineering College in Nepal. Now, more than 6,000 engineers graduate from different engineering colleges. The first engineer of Nepal, late Kul Ratna Tuladhar, graduated from BE College in 1943 (a year senior to Dr. S. K. Mukherjee).

At this time, no Nepalese student is studying in IEST, Shibpur. Probably, a student exchange program can be started with the help of officials and local alumni to continue the tradition and cooperation of the past!



Shital Babu Regmee | 80 CE



50TH YEAR OF GRADUATION CELEBRATION OF 1965ME

1965 Mechanical Engineering Alums of erstwhile B.E. College organized a get-together on the occasion of their 50th Year of Graduation on 19th Jan 2015 at Alumni Guest House in the Institute campus. They collectively donated a fund exceeding INR 5.25 Lakhs to GAABESU for two Admission Grants and one Research Award for every year. The fund will be kept in a fixed deposit with an annual interest payment option. Twenty alumni who contributed more than the membership amount, were inducted as Life Members of GAABESU. We published the report and photos at our [Facebook](#) page.



Tultul Roy | GAABESU
Office Manager



50TH ANNIVERSARY REUNION OF 1965CE

50th Anniversary Reunion of 1965CE magazine is published to our web site as:

http://www.becollege.org/alumni/docs/Golden_Remembrance_65CE_BECollege_11_2_2015.pdf

1965CE class initiated a drive to organize Prof P K Roy, 65CE memorial fund in honor of their beloved classmate. Stay tuned for additional information.

Swapan Saha | 88 EE



TRAVEL GRANT - GAABESU LAUNCHES A NEW PROGRAM

GAABESU have long been active in raising funds to aid fellow alumni, students, faculty members for multiple purposes including helping students to attend and/or present their research to the national and international technical conferences and seminars.

Further, after formation of IEST, GAABESU plan to augment these student benefit related activities. The main motivation of the scheme is to promote "academic excellence with a focus on quality research" in the institute. This program was initiated by 'Class of 1987', who in 2012, during the celebration of their 25th anniversary of graduation, collected an amount of Rs. 9 Lakhs and donated the whole fund to GAABESU to institute a Travel Grant Fund for Students of BESU, who would be travelling to present their research at international/ national conferences. The main target was to encourage BESU (IEST) students to take up more research work and facilitate their travels by partially sponsoring. Later, in 2014, GAABESU EC decided to expand the scope of the fund and made an appeal to the Alumni community for more donations. Accordingly, GAABESU has initiated this program.

These would include seminars, conferences, innovative design competitions, research paper presentations and receiving of awards of international repute (only if the

work was done at IEST, Shibpur or the awardee is the principal investigator of the work), international students' summit etc., subject to certification by the IEST's departmental head & acceptance by GAABESU.

GAABESU will institute a committee to finalize the award of the grant. GAABESU shall consolidate all the available funds for this purpose and also seek further donations from Alumni, so as to be able to start with a dedicated fund of Rs. 15 Lakhs (₹15,00,000/-) and a goal to increase it to Rs.1 Crore within next 3 years. The funds will be kept as fixed deposits in a nationalized bank account. GAABESU shall use up to a maximum of 90% of the annual interest from the funds. The recipient must establish that fund received from other sources is not sufficient for his/her travel, lodging and daily expenses.

The support available from GAABESU shall not exceed 50% of the total eligible Travel and Conference cost. The maximum amount of a grant shall not exceed ₹50,000/- for a trip abroad, outside of South Asia for students / ₹10,000/- for a trip within South Asia.

The assistance will only be reimbursed after the applicant submits statement of expenditure after the completion of the event. GAABESU may waive this requirement in case of an exceptionally needy recipient. The fund will not support paid or unpaid internships/ workshops, expenses to attend any local event, expenses other than travel

To Apply for Travel Grant Download – **Word** or **PDF**.
becollege.org/projects/docs/TravelFundApplication.docx
becollege.org/projects/docs/TravelFundApplication.pdf

Prosenjit Chakraborty | 87 EE



GAABESU AWARDS DISTRIBUTION CEREMONY 2014-15

Like previous years, GAABESU Scholarship, Research & Alumni Fellowship for Excellence Awards Distribution Ceremony was successfully held on the 13th March 2015 at Institute Hall, IEST.

Prof. Ajoy K Roy, Director, IEST presided over the function. A no. of present GAABESU EC members were also present during the ceremony.

Ms. Tultul Roy, Office Manager, GAABESU raised the curtain of the ceremony requesting everyone to occupy their respective seats.

Mr. Syama P. Dutta, GAABESU Ex-President, welcomed the guests, awardees and other students. He explained the need for the present students to remain in touch with global alumni and called upon the recipients as well as general student community to give back to the society.

Thereafter Lt. Col. Anjan Ghosh President of the Scholarship Subcommittee explained in detail the background and purpose of the scholarship awarded since 1998. He said that he hoped the recipient students would also extend their helping hands to the needy students.

Prof. Ajoy K. Ray praised the alumni from all over the world for their contribution towards the development of their Alma Mater.

Thereafter the scholarship award ceremony started. The ceremony concluded with vote of thanks to the chair given by Honorary Secretary of GAABESU Dr. Pratik Dutta.

Quick facts about this year's Program

- 15 of Alumni Fellowship for Excellence Awards (approx. total ₹ 2,24,500/-)
- 48 Memorial Scholarships (total ₹ 5,76,000/-)
- 6 Individual Sponsored Scholarships (total ₹ 72,000/-)
- 32 Group Sponsored Scholarships (total ₹ 3,96,000/-)
- 14 Half Scholarships (total ₹ 84,000/-)
- 18 Book Grants (total ₹ 36,000/-)

becollege.org/news/news_item.asp?NewsID=568

becollege.org/news/news_item.asp?NewsID=569

Prosenjit Chakraborty | 87 EE



FELICITATION OF PROF. K. K. MAJUMDAR ON HIS 101 BIRTH DAY

GAABESU felicitated Prof. Kamada Kanta Majumdar on completion of his 100 years of productive and useful life. Along with Working President Mr. Amitabha Dutta (74 CE), Mr. D. N. Chatterjee (74 CE) and Mr. Barun K. Basak (71 ME) handed over flower bouquet and a letter on behalf of IEST Shibpur Alumni community.



Global Alumni Association of
Bengal Engineering and Science University,
Shibpur

FELICITATION OF PROFESSOR KAMADA KANTA MAJUMDAR, ON HIS 101 BIRTH DAY

GAABESU, on behalf of all alumni of IEST, Shibpur (erstwhile BESU / B E College), is honored to felicitate you, Prof. Kamada Kanta Majumdar, on completion of 100 years of productive and useful life contributing immensely to the teaching profession in engineering fraternity.

Sir, we salute you for your service as one of the most successful professor to the Engineering fraternity and to our Alma Mater, in particular. We all are confident that you will be embraced as a role model to the teaching fraternity.

Sir, have a happy, healthy & peaceful life. We wish you all the best.

Alumni/Alumnae of IEST Shibpur

Partha Pratim Roy | 97 CE



GAABESU EMERGENCY FUND - TWO THANK YOU NOTES

Closed Fund: An Appeal to Help Mala Sahoo, wife of Basudev Sahoo, 1986 (EE) in Medical Emergency for Transplantation and arrangement of Kidney

Dear all Alumni Friends

Thought, I would offer my thanks to all after the transplantation of kidney. However, obtaining all the requisite administrative clearances will take some more time. Hence I should not wait further.

I have already received INR 4,41,732/- towards treatment of my ailing wife. I offer my sincere thanks & gratitude to all of you, who have taken initiatives in fund drive for Mala Sahoo and contributed for the same.

Basudev Sahoo | 86 EE

Closed Fund: An Appeal to help Late Souvik Ghosh (99CE) Surviving Family (Closed)

Goal – 10 lakhs, Funds Raised Rs 12.26 lakhs (3rd March '15)

Dear All,

The GAABESU collection drive for 'Souvik Ghosh 99 CE Fund' is officially over. We went thru' ups and downs in terms of cumulative collection amount. In between we were little apprehensive about our 10 Lakhs Target but we have handsomely crossed it. The final figure is INR 12.3 lacs (as of now) and this is one of the largest collections through the GAABESU platform in recent times. I agree that this is not a phenomenal amount but we hope that this would help Jr. Boudi at least in a little way. And we sincerely wish that we don't have to take initiatives like this in the near future. As I mentioned earlier, Ayan and Rajashik would now take it forward. They would coordinate with Boudi's family and GAABESU to transfer the final amount. If you have any suggestion

regarding the same, you are most welcome to share your ideas with Ayan and Rajashik.

Big Thanks to all of you! Would personally like to thank Ayan and Rajashik for initiating the process with GAABESU. Koustav and Parthada, on behalf of GAABESU, helped us to kick start the collection drive within a week. It would be grossly unfair if I don't mention that Parthada was also going through a personal crisis but still devoted time to explain the process and potential pitfalls. In the initial phase, when we were clueless, Sidhu alone collated a list of emails/WhatsApp contacts of around 100 of our batch-mates which was probably the biggest boost in our collection drive till date. Sidhu continued to do the follow-up over phone for this entire phase. Thanks Comrade! Dipan chipped in to fine tune the initial list. Few of our '99 batch-mates, located in Calcutta, went to meet the family of Souvik Ghosh. Thanks guys! BEings like Kuntala, Debanjan, Gopal/Shila and many more (sorry for not being exhaustive here) helped us to connect with TCS alums, 2000 Civil Batch, 1998 Civil Batch respectively. Bishu/Subho coordinated with US alums. Xavo (aka Rajiv), with Rajdeepda (88 EE), managed to raise a significant amount from UAE chapter. Thanks to BEC Canada chapter also. Sutirtha is coordinating with Muscat chapter and they are looking forward to BEC get together around March end. Pandey and Moley are also trying to do the same with Mumbai Chapter. We have received generous contributions from many of our batch-mates. Now our beloved Boudi aka Tarzan aka Souvik Ghosh can rest in peace. In Pandey's words: Boudi has indeed broken many barriers and strengthened our bonding farther. Sorry Boudi, most of us were busy with our personal commitments when you were fighting a lost battle. Loads of memory with you Man! We started our journey together from Hostel 16 but you called it a day abruptly. Keep smiling wherever you are!

Apalak Khatua | oo ARCH



NEW BOARD OF GOVERNORS OF IEST, SHIBPUR

Ministry of Human Resources Department under Department of Higher Education, Government of India (GOI) has formed the Board of Governors of IEST, Shibpur with effect from 15 Dec, '14.

After taking into account the clause-wise nominations/ recommendations the Board of Governors of IEST – Shibpur is constituted as under:

Name and Designation of nominated persons	Nomination Under	Will serve as
Dr. Koppillil Radhakrishnan, Chairman, ISRO, Bangalore, Karnataka	Section 11(A) Clause (a)	Chairperson (till 09.12.17)
Additional Secretary (T), Dept. of Higher Education, GOI as nominee of Secretary, Dept. of Higher Education, GOI	Clause (b)	Ex-Officio Member
Director of IEST – Shibpur, W.B.	Clause (c)	Ex-Officio Member
Director of Indian Institute of Science, Bangalore, Karnataka	Clause (d)	Ex-Officio Member
Prof. I. Manna, Director, IIT, Kanpur, Uttar Pradesh	Clause (e)	Member (till 9/12/17)
Secretary, Dept. of Science and Technology, GOI	Clause (f)	Member (till 9/12/17)
Secretary, Dept. of Industrial Policy & Promotion, Ministry of Commerce, GOI	Clause (f)	Member (till 9/12/17)
Will be notified	Clause (g)	Ex-Officio Member
Two professors of the Institute to be nominated by the Senate	Clause (h)	Member (for 2 years)
Prof. Sneh Anand, Professor, Centre for Bio-Medical Engineering, IIT, Delhi	Clause (i)	Member (till 9/12/17)
Prof. N. Balakrishnan, IISC, Bangalore	Clause (i)	Member (till 9/12/17)
Financial Advisor, Ministry of Human Resource Development	Clause (j)	Ex-Officio Member

Pratik Dutta | 90 MIN
Hony. Secretary, GAABESU



SEVEN NEW DEANS AND FIVE ASSOCIATE DEANS APPOINTED

As approved by Honourable Chairperson of Board of Governors, the Director appointed following Deans and Associate Deans:

Name and Department	Designation
Prof Prabir Kumar Paul, Professor, Mining Engineering	Dean – Administrative Affairs
Prof Amit Kumar Das, Professor, Computer Science and Technology	Dean – Academic Affairs
Prof Bichitra Kumar Guha, Professor, Physics	Dean – Faculty Affairs
Prof Kalyan Kumar Bhar, Professor, Civil Engineering	Dean – Research and Development
Prof Aditya Bandyopadhyay, Professor, Architecture, Town and Regional Planning	Dean – Infrastructure, Planning and Management
Prof Santanu Kumar Karmakar, Professor, Mechanical Engineering	Dean – Alumni Affairs and External Relations
Prof Netai Chandra Dey, Professor, Mining Engineering	Dean – Students' Affairs
Prof Amitava Basu Mallick, Professor, Metallurgy and Materials Engineering	Associate Dean – Academic Affairs
Prof Sudip Kumar Chattopadhyay, Associate Professor, Chemistry	Associate Dean – Academic Affairs
Prof Debjani Ganguly, Professor, Electrical Engineering	Associate Dean – Administrative Affairs
Prof Anup Mondal, Professor, Chemistry	Associate Dean – Research and Development
Prof Anirban Gupta, Professor, Civil Engineering	Associate Dean – Alumni Affairs and External Relations

Indranath Sinha | 82 MIN



3 STUDENTS RECEIVED PRESTIGIOUS INTERNATIONAL AWARDS



Anandamoy Chatterjee, a 3rd year student of Electronics and Tele-communication department of IEST, Shibpur is invited by Radio Frequency and Millimetre (RFM) Group at IMEC-LAHC Institute of Microelectronics, Electro-magnetism and Photonic Institute, Grenoble, France for a 10 weeks program starting from 4th May, 2015. He will receive a monthly stipend of 510 euros.

Rhitam Datta, another student of 3rd year Electronics and Tele-communication department of IEST, Shibpur is invited by University of Bremen, Germany from 1st May, 2015 to 30th July, 2015 as a visitor student intern. During this period he will be working on various aspects of application of reversible logic gates in efficient quantum computation under the supervision of Prof. Dr. Rolf Drechsler.

Partha Pratim Dutta, a 3rd year student of Electrical Engineering is selected for S. N. Bose Scholars Program 2015 being conducted with the joint support of the Department of Science and Technology, Govt. of India, University of Wisconsin-Madison (UW) and the Indo-US Science and Technology Forum (IUSSTF). The three month program will start on May 2015 at University of Michigan. IUSSTF will provide Partha return Air-tickets, monthly stipends @ \$2,000 and \$500 for Health Insurance.

On behalf of GAABESU, we congratulate Partha, Rhitam and Anandamoy.

becollege.org/news/news_item.asp?NewsID=577

**Dr. Santanu Kumar Karmakar | 83 ME
Dean (AA&ER)**



MORE ACHIEVEMENTS BY IEST STUDENTS

Juhi Choudhury (Aerospace'15): Received fully funded PhD admit from SUNY Buffalo. She is also the class topper of Aero'15 and has previously been to the University of Windsor for her summer internship.

Indrajit Srivastav (Metallurgy'15): Received fully funded PhD admit from Univ. of Illinois at Urbana-Champaign, where he also did his summer internship.

Diptoman Mukherjee (CST'15): Received admit from Center for Digital Media at Vancouver, Canada for their Masters in Digital Media program which is a joint degree offered by The University of British Columbia, Simon Fraser University, Emily Carr University of Art and Design and British Columbia Institute of Technology. Diptoman is a passionate game developer who has received various national and international awards for his game development over the past few years. He is one of our students who is treading a less traditional path in engineering by going for this game development-focused master's course.

Amrita Roy Chowdhury (CST'15): Received admit from National University of Singapore. She is also the topper of her class (CST'15). She also successfully made an international conference publication in Belgium last year.

Shiladitya Sen (CST'15): Received admit from University of California, Irvine.

Nilavra Bhattacharya (CST'15): He achieved an international conference publication in March at Berlin, Germany at the International Conference on Computer Vision Theory and Applications. His research interests lie in Web Technology, Human-Computer Interaction & User-Interfaces, etc.

Sagnik Nath (ETC'15): Received admit from Rensselaer Polytechnic Institute (RPI), New York.

Arpan Sen, Arinjoy Basak (both CST'16): They successfully made an international conference

presentation in March at 29th IEEE International Conference on Advanced Information Networking and Applications in South Korea.

Prithviraj Nag | 13 CST



UG STUDENTS VISITED FOREIGN UNIVERSITIES FOR INTERNSHIPS

The following (10) students visited different foreign universities for Internship in 2014. Global Alumni Community helped them by providing appropriate links to the willing candidates and also sponsoring part of the travelling expenses for students who appealed.

Students Name	University (U)	Department
Sanjukta Dawn	University of Windsor, Canada	Electrical
Debasish Dhua	University of Windsor, Canada	Electrical
Sabyasachi Bandyopadhyay	University of Massachusetts, Lowell, USA	Electrical
Abhrokan Saha	University of Windsor, Canada	Civil
Soham Mitra	University of Windsor, Canada	Civil
Sayanta Barman	Wayne state University, USA	Civil
Pratik Garg	Wayne state University, USA	Civil
Partha Saha	Wayne state University, USA	Civil
Samanwita Kar	McGill University, Canada	Aerospace
Indrajit Srivastava	University of Illinois at Urbana - Champaign, USA	Metallurgical and Material Science

Excerpt from 1st Newsletter of IEST



U OF WINDSOR & IEST, SHIBPUR COLLABORATION CONTINUES

Our alumnus, Nihar Biswas, Ph.D., P.Eng., FCSCE, Distinguished University Professor, Civil and Environmental Engineering, University of Windsor, Canada has been leading collaboration between his Alma Mater and present employer for more than a decade.

Over the past few years, collaborative research work has been ongoing between Professor Narayan Kar from the University of Windsor and Professor Kaushik Mukherjee, Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Professor Mukherjee came to Windsor in 2011 as a visiting Professor and spent one year with Dr. Kar and co-supervised several masters and doctoral students. This collaboration is now continuing and recently, Mr. Lakshmi Varaha Iyer, a doctoral student of Dr. Narayan Kar from the University of Windsor, started his laboratory work in Dr. Mukherjee’s laboratory at IEST, Shibpur. He is one of several graduate students who is being co-supervised by Drs. Mukherjee and Kar. Iyer’s research with Prof. Mukherjee is being supported by the Natural Sciences and Engineering Research Council of Canada (NSERC) under the Michael Smith Foreign Study Supplements Program. This is a prestigious award granted to selected Canadian graduate students.

Iyer has been continuing his work on design of three-phase interior permanent magnet synchronous machines (IPMSMs) for direct drive electric vehicles. At IEST, he has developed a new approach based on maximizing power output below and above base speed to design such three-phase machines which satisfy both the constant power and constant torque regimes in electric vehicles. A down-scaled version of this machine is also being prototyped. Direct drive electric vehicles are expected to add considerable benefit to battery-to-wheel efficiency of the vehicle

eliminating the conventional transmission losses. However, removal of the existing transmission needs a superior performance motor with cost and size considerations that can provide high torque at starting and operate at low and high speeds/loads conditions with enhanced efficiency. He is currently conducting research to mathematically model six-phase IPMSM and propose a novel machine design approach for six-phase IPMSM. Such a multi-phase machine is expected to improve performance characteristics such as fault tolerance, torque ripple, efficiency and peak power rating of IPMSMs in direct drive electric vehicles.

Prof. Nihar Biswas | 70 CE
University of Windsor



UPCOMING EVENTS

AUG 21-22, 2015: KOLKATA

National Technical Event by GAABESU

After successful celebration of the first Alumni Day on December 28, 2014, GAABESU is gearing up for another event. GAABESU is planning to host first National/ International Technical Seminar/ Workshop in August 2015.

An all India seminar on Energy and Environmental Challenges: Indian Perspective will be held at CII-Suresh Neotia Center of Excellence For Leadership at DC-36, Sector – I, Salt Lake, Kolkata.

For any information about this event, please contact:







- Shymaprasad Datta, '67CE, ex-President, GAABESU at 9830292214
- Subhashis Majumder, '80ME, an EC member at 9836374947

Alternatively email at gaabesu@gmail.com or call +91-33-26687436.



RECENT EVENTS AND IEST UPDATES



-  IEST Convocation took place on March 4th 2015.
-  77th REBECA took place from 12th to 15th March, 2015. Composition of the grand show was as follows:
 - 12th March - Classical Night - Rashid Khan, Violin Brothers, Dalia Raut
 - 13th March - Beings Night - Band Competition, Fossils, Invitational Debate
 - 14th March - Kolkata Night - Anjan Datta, Dance Performance (Oscillation), Quiz
 - 15th March - Mumbai Night - Panel Discussion, Alumni business meet, Rebecsal, Mohit Chauhan
 For details visit <http://rebeca.iests.ac.in/>
-  Euphony, the Music Society of IEST, Shibpur organized a 2 day event on 28th and 29th of March, 2015. The event "Euphony Oikotaan" was first of its kind aiming to find true talent in original composition. For details visit www.euphony.iests.ac.in.
-  GAABESU Honorary Secretary handed over all nominations received for distinguished alumni awards to IEST Administration.
-  A Special General Meeting of the Global Alumni Association of Bengal Engineering and Science University, Shibpur (GAABESU) was held on Saturday, 4th April, 2015 at 10.00 a.m. in the Alumni Seminar Hall of IEST, Shibpur to consider the proposal of Executive Committee for amendment of Memorandum of Association and Regulation.
-  With Central Council for Research in Homeopathy, IEST, Shibpur will soon open a centre of homeopathy and other alternative medicines in the name of renowned homeopath Bholanath Chakraborty. Central government has approved Rs. 10 Crores for the centre which will award Doctoral Degrees in homeopathy, Ayurveda, Unani Medicines and Yoga.




RARE EXPERIENCE SHARED BY JOINT SECRETARY, GAABESU


I have completed five (5) years in taking classes in BESU/IIEST Electrical Engineering department for 7th & 8th Semester students on the subjects of (1) Power System Design & Application in Industry and (2) Electrical Relay Protection system design. I have started this as a personal initiative in 2011 on insistence of our then VC Prof. Ajoy Kumar Ray and with active support of EE Department, specifically from Dr. Gautam Bandyopadhyay, both being BEC Alumnus. These classes were arranged through Government of India TEQIP program. This was a huge honour for me, to stand as a Visiting Lecturer in the same classroom, where I myself was student and where famous teachers like Dr. Shankar K. Sen, Dr. P. K. Nandi, Dr. J. K. Sen and many more used to take our classes.

Prosenjit Chakraborty | 87 EE





OBITUARIES


 Amal Kumar Ray (46ME) passed away peacefully on 29th January, 2015 at his residence in Kolkata. He was son of late Kalidas Ray (23CE), an eminent civil engineer and architect of that era, who was associated with many committees and academic council in B. E. College and Calcutta University when Dr. Shymaprasad Mukherjee was Vice Chancellor. He was the director of Annapurna Metal Works, a well-known valve manufacturing company during 1950-1970. He is survived by his wife, only son Kalyan Kumar Ray (71ME), and a GAABESU life member, daughter-in-law Mitali, grandson, grand daughter-in-law, and great grandson. – Reported by Jyoti R Sengupta (54 CE)


 With sadness, I wish to inform the passing away of our classmate Kalyan Banerjee (57CE) in Germany (Gelsenkirchen). He left behind his wife Erna, daughter

Bettina and son Robin.– Reported by Niren Banerjee (57 CE) on 31st January, 2015

 With much sorrow I wish to notify that Dr. Sambhunath Ghosh, a 1956 CE graduate, passed away on 16th February at his residence in Salt Lake City, Utah. He did his doctoral studies at Georgia Tech and joined IIT R&D organization in Chicago as a group leader. Subsequently he joined University of Utah and worked as Chairman of Civil Engineering Department till his retirement. Dr. Ghosh distinguished himself as a pioneering researcher in his area of expertise, gaining national and international recognition. He was my classmate at the college and a lifelong friend of myself and the family. We deeply regret this loss and pray that his soul may rest in peace. – Reported by Kajal K. Gupta (56 CE)

 With profound sorrow, I would like to report to you the sad demise of our friend Sukumar Banerjee. He migrated to USA in 1974 and settled in Orlando. He graduated in 1963 with BE in EE. – Reported by Prasanta Sanyal (63 EE) on 07th March, 2015.

 My older brother Edsel Martin Fonseca, residing in Bexleyheath, Kent, UK, passed away peacefully on 14th March 2015 after a prolonged illness. He graduated in 1951 with his degree in Electrical Engineering, a year before I was admitted to Architecture. – Reported by Rory Fonseca (57 ARCH) on 28th March, 2015

 With heavy heart I am informing that Shri Debabrata Mukherjee, former Managing Director, Durgapur Steel Plant, Durgapur, West Bengal, BE Met 1954 batch, passed away on 27th March 2015 at his Salt Lake, Kolkata residence after a brief illness.

Shri D. Mukherjee after graduating from B E College started his professional career with Bhilai Steel Plant (under HSL then). He became Executive Director of Alloy Steels Plant, Durgapur later and was instrumental in various developmental plans of ASP.

He became Managing Director of Durgapur Steel Plant in 1981 and retired in July, 1991. Shri Mukherjee was the

driving force for shaping the future of Durgapur Steel Plant. In fact the last Modernisation of the plant (started in mid-eighties and facilities became operational from early nineties) has been possible for his singular effort. I have been directly associated with him at DSP during 1985 to 1991 till his retirement.

He left behind two daughters, a host of friends and well-wishers. A great soul, full of wit, charm and interest in global issues, Shri D Mukherjee would remain alive and fresh in our living memories, ever after.

On behalf of every one of BEC/ GAABESU, we offer our sincere condolence to his families and friends. We pray for the eternal peace of the departed soul. May his soul rest in peace. – Reported by Debkanti Bandyopadhyay (82 ME)

With profound sorrow I am informing the sudden passing away of our batch mate Shri Sibabrata Mukherjee, in the early hours of 6th April, 2015. He graduated in 1962 in Electrical Engineering and spent most of his professional career with Calcutta Electric Supply Corporation Ltd (CESC), till he retired from a senior position, in 2000. He was an active member of the 1962 alumni core group and a Life Member of GAABESU. We convey our heartfelt condolences to his wife Vijaya and family and pray for eternal peace of the departed soul. – Reported by Samarjit Chatterjee (62 CE)

My most intimate friend Manas Mukhejee (80 MET), GM (Marketing) SAIL, has suddenly and shockingly left the world yesterday at 7 am leaving her only child Aritra and wife Swapna. We missed another brilliance of our institution for whom we always felt proud to be our batch mate. – Reported by Saibal Mukherjee (80 MET)

On behalf everyone at GAABESU, we offer our sincere condolence to their families and friends. We pray to God for the eternal peace of the departed souls.



বি.ই. কলেজ স্মারক সংগীত

(শিবপুর বি. ই. কলেজের প্রাক্তনীদের পুনর্মিলনের জন্য রচিত Alumni Anthem; রচনা ও সুর-সংযোজনা: রঞ্জন প্রসাদ)

টাওয়ার ক্লকের টিক্-টক্ টিক্-টক্

বয়ে চলে গঙ্গার জল

কোম্পানি বাগানের বুড়ো বটগাছ

পাতা-ঝরা ছায়ার আঁচল

সোনালি স্বপ্ন দেখা আমরা ক'জন

আগামী দিনের কারিগর

বিশ্বপ্'স কলেজ থেকে বি.ই. কলেজ

জুড়ে আছে সারা অন্তর ॥

পাহাড় ঝুঁকিয়ে নদী বাঁধতে শিখি

ঝড় নিয়ে করি যুদ্ধ

রোদে পুড়ি জলে ভিজি পাতালে খুঁজি

রহস্য অবরুদ্ধ

সংগ্রামে ভরপুর আমরা ক'জন

আগামী দিনের কারিগর

বেঙ্গল ইঞ্জিনিয়ারিং কলেজ

জুড়ে আছে সারা অন্তর ॥

প্রগতির চাকাটাকে আমরা ঘোরাই

জেগে ওঠে গ্রাম - জনপদ

জন্মভূমিকে দেবো আমাদের পণ

বিশ্বের সেরা সম্পদ

কঠিন পথ নেওয়া আমরা ক'জন

আগামী দিনের কারিগর

বি. ই. এস. ইউ. গর্ব আমার

জুড়ে আছে সারা অন্তর ॥

অজস্র বর্ষের বিশাল অতীত

রয়ে গেছে আজও অক্ষয়.

এখানে প্রবীণ রাত স্বাগত জানায়

নবীনের সূর্য উদয়

হাতে হাতে ধাবমান দীপ্ত মশাল

যুগে যুগে চির-ভাস্বর

আই. আই. ই. এস. টি. স্বপ্ন সবার

জুড়ে আছে সারা অন্তর ॥

(পুরো নাম প্রসাদ রঞ্জন দাশ, স্থাপত্য, সাহিত্য ও সংগীতের বিরল সৃজনশীল সমন্বয়ে এক বিদগ্ধ সাংস্কৃতিক ব্যক্তিত্ব। কর্মজীবনে পশ্চিমবঙ্গ সরকারের মুখ্য স্থপতি এই প্রাক্তনী (১৯৬৯) 'রঞ্জন প্রসাদ' ছদ্মনামে সুখীজন মহলে সমাদৃত পরিচিত। বি ই কলেজের উদর Documentary Film "The March Continues" ছবিতে এই স্মারক সংগীতটি Theme Song রূপে ব্যবহার করা হয়েছে।)

Prasad Ranjan Das | 69 ARCH



JINDEGI NA MILEGI DOBARA: SCRIPT REWRITTEN (PART 2 OF 3)

Today's journey to Tshoka started well with a lasting impression of yesterday's over exercised day. Within the serene nature of Himalayas, with humming sound of continuously flowing spring/waterfall/rivulet somewhere downhill. This sound sometimes becomes very prominent after crossing some bend in hilly trek trails. At other times, it fades away like a distant low background humming noise. Trails are mostly hairpin trails when we are to climb or descend sharply. We crossed the last/fourth bridge. A never ending ascent started. By now we were out of all mobile ranges. One thing we noticed is that all of us were very much acquainted with our mobile phones in our everyday life but none of us was missing phone rings at all. Moreover, we were feeling much relaxed that we are not to respond regular calls etc. It is a liberating feeling. Surly enjoyable. While having this tough trek which is one of the toughest treks in India, I found that human body has a factor of safety, like what we have in design of structures, much more than it is apparent. In particular, my legs were very cooperative. On the contrary my lungs and heart were not able to cope up with my legs. Slow, limited ascent was making my lungs breathless and heart pumping hard. I rediscovered my pace of ascent. I followed the signals of my body and complied like an obedient husband. Ascent was slow but steady. I did not try to copy the pace of my other compatriots. I was slowest of them all but that did not bother me.

My competition is with myself only. This kept me going. By mid-day we reached Bakhim.



Last time we stayed here was on the first night of our trek. There is a forest rest house. We have seen that this time as well. Still standing but in dilapidated condition. We went to the upstairs room where we stayed last time. Part of the floor is missing which created a big hole. We could see the same fire place. Few cots are there. Without mattress. Doors & windows were broken or missing. The stairs does not look strong. We captured a few snaps of this building, as part of our old memory. We still could remember the frantic condition we were in at the later part of the first day's trek last time. We were totally on our own. Could not afford to have a guide, horse or yak, porters, and not even tents! All luggage including dry foods for entire trek duration was distributed, shared & loaded in our rucksacks! We did not have any means to have cooked/hot food. In our first day we reached Bakhim. We did not have any other choice. There were no Trekkers' huts or rest houses in between Yuksam & Bakhim. During the afternoon, I still remember, it started raining. Visibility became poor. We were the only humans being seen for the last few hours. We did not know whether we were on the right trail or not. Day light was fast receding. Rain was incessant. However, rain high up generally does not happen like in plains. We see it rains cats & dogs in plains but not at these heights. We had started

cursing ourselves for taking a decision of coming to trek in this godforsaken place which is good for nothing and will fetch absolutely nothing! We were drenched to our undies. It was a cumulative effect of sweating & drizzling. We almost lost hope of reaching a shelter for the night and prepared ourselves to spend an entire night outside in the jungle with wild animals & leeches. From the morning we had been attacked by numerous leeches. I was attacked in two places above ankle. And surprisingly one leech invaded through the neck of my shirt and positioned itself on my belly! As a precaution we carried salt to get rid of leeches. Salt does a magical reaction on leeches. It loses its grip and squeezes itself. I am not sure whether it gets killed by salt or not. But for sure we get relieved! By that time we started losing hope of coming back in one piece after the trek. We heard a "Eureka" from a distance. One of us has spotted a forest rest house ahead. It was Bakhim's Forest rest house.



This time while going and coming back we did not encounter a single leech. There was a separate caretakers hut next to it. The caretaker agreed to provide us food for that night. It was a real relief to us after a long strenuous unusual day. We dumped our rucksacks in the wooden floored rest house on the first floor. No electricity. As far as I remembered we

slept on the floor on that night. Inside sleeping bags. There was a fire place which is seen by us this time also. Temperature was right for lighting it but we did not have energy left in us for that venture. This time we took a small break in the caretakers hut. He served us tea.

We went on to Tshoka. We reached Tshoka after 14:00 hrs. We found all tents for sleeping were erect. Toilets were available and so was a place for dining on the other side, a little far off. Those tents were not used. We had a warm lunch. I tried to take a nap to energize myself. Others kept on chit chatting, playing poker with chips. We got a view of the snow-capped mountains just before sunset. Tried to take few snaps with my SLR on stand. Nothing impressive was captured. One thing I realized after starting photography that what the naked eye can see is next to impossible to capture in any camera. We had a late afternoon tea and had dinner a little early, like last night. After dinner we sat outside the tents in the dark night, as the moon was expected after midnight; it was a week after full moon. One of us sang a few melodious songs without any instrument which made the evening a heavenly one. This evening became one of the best evenings we spent together. Our nostalgia took a U-turn in life and took us back to the college days of the last century. A miraculous time machine effect! The night was spent peacefully.

Participants in 1993 were: Santanu Bagchi (96CE); Sourish Sarkar (95CE); Asimabha Bhowmik (95ME); Sumit Ray (95ME) and Somnath Mukherjee (96CE)

Participants in 2014 are: Kanchan Majumder (95CE); Sourish Sarkar (95CE); Asimabha Bhowmik (95ME); Sumit Ray (95ME) and Somnath Mukherjee (96CE).

Somnath Mukherjee | 96 CE



প্রথম বৃষ্টি

শীত পার করে আজ প্রথমবার দেখেছি তোর হাতছানি-
কালো আকাশ ভেদ করে চোখ বলসানো বিদ্যুতের আলো;
আজ এসেছিল প্রথমবার তোর ডাক-
বন্দিত্ব থেকে ছাড়া পাওয়া আঙ্গুরিক মেঘের গর্জন;
আর হয়েছিল উত্তাপহীন চন্দহীন কয়েক পশলা বৃষ্টি ॥

সে কয়েক পশলা বৃষ্টি বদলে দিতে পারে কারো জীবন,
বদলে দিতে পারে প্রকৃতির আমেজ।
সে আমেজ কে আরও তীব্র আরও তীক্ষ্ণ করে-
সম্পন্ন ঝোড়ো শীতল বাতাস ॥

সেই বৃষ্টি ভেজা বাতাসে ভেসে এসেছিল তোর সুবাস;
কিন্তু আমি নেই নি তার সে সুগন্ধ;
কারণ, সে বাতাসের ধাক্কায় ভেঙে যায় কিছু শুকনো ডাল,
কিছু অপরিণত মঞ্জুরী, কিছু কোমল হৃদয় ॥

সেই বৃষ্টির শীতলতা মনে করায় তোর হাতের স্পর্শ;
কিন্তু আমি গায়ে মাখিনি তার শীতলতা;
কারণ সে শীতল স্পর্শে ঝরে পড়ে কিছু ফুল,
কিছু পাতা, কিছু রঙিন স্বপ্ন দেখা মন ॥

তবু আমি ভিজিছি সেই বৃষ্টিতে ।
উর্ধ্বশ্বাসে দৌড়েছি ঝড়ের প্রতিকূলে;
চিৎকার করে জবাব দিয়েছি প্রত্যেকটা মেঘের গর্জনের;
আপন করে নিয়েছি বৃষ্টির প্রত্যেকটা জলের কণা;
ঠান্ডা জলেও অনুভব করেছি নতুন প্রানের উষ্ণতা ॥

তোর সংস্পর্শে কোনো ক্ষতি হবেনা আমার;
কারণ আমি নির্লিপ্ত পাথর,
আমি ফেলে যাওয়া শামুকের খোলস,
আমি কোনো দক্ষ কারিগরের হাতে বানানো-
অবয়বহীন প্রানহীন অচল পুস্তর মূর্তি।
আমার গায়ে ক্ষয় ধরে না,
আমি ভেঙেও যাই না, ঝরেও পড়িনা।
বৃষ্টির জলে শুধু আমার গায়ে জন্মায় কিছু সবুজ শেওলা ॥ ॥

Bibaswan Das | 14 CE

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