

HETC Chronicle

Hooghly Engineering & Technology College

Issue: June, 2015

The e-edition is available at www.hetc.ac.in

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Campus News

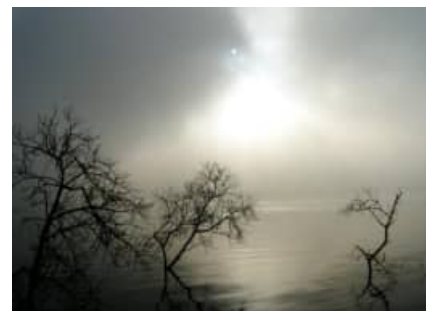
The Annual Sports Meet was held on 30th January, 2015 at the college premises.



The Annual Cricket Tournament was held during the period 26th February, 2015 to 26th March, 2015. The team from 4th year Civil Engineering was declared the winner.



The college organized the annual lecture on the topic “**Engineering Education in 21st Century**” delivered by Dr. A. K. Roy, Director, IEST, on 18th February, 2015.



The Annual College Festival ‘**Utkarsha 2015**’ was held at the Aqua Marina on 10th April, 2015.



The first Annual Technical Festival ‘**TECHETC 2K15**’ was held at the college campus on 27th and 28th March, 2015.



The Photography Club organized Photography Contests for college staff and faculty members in March, 2015. The photograph displayed left, submitted by Mr. Ranjit Majhi, Technical Assistant, EE Dept., secured the first place.

Events Organized

- The Principal, A.O. and A.O. (Finance) planted trees in the college campus as a part of the “Plant a sapling” drive organized by the AXIS Bank on 20th February, 2015.
- The Electronics and Communication Engineering Department organized a workshop on Robotics in the month of November, 2014.



Departmental Academic Activities

Civil Engineering Department

- Department of Civil Engineering took up Consultancy Work on Testing of Concrete Cube Moulds and of various grades for Mondal Construction Co. Ltd.

Electronics & Communication Engineering Department

- Dr. Monojit Mitra, Professor, ECE Dept. in IEST Shibpur, delivered a lecture in the seminar on “Recent Trends in Satellite Communication” on 23rd April, 2015.
- Newsletter (ECE CHRONICLE) was published in March, 2015.



Mechanical Engineering Department

- Prof. Dr. Ashish Bondyopadhyay from Jadavpur University delivered a lecture on the topic of “Modern Manufacturing Methods” on 4th April, 2015 at 2:30pm. This Seminar was organized in association with IE(I), HETC student chapter.



Seminars organized

Civil Engineering Department

- Prof. Piyali Das delivered a lecture on the topic of “Rainwater harvesting & artificial recharge to ground water”, on 21st February, 2015.
- Prof. Shibasish Deb delivered a lecture on the topic of “Green Concrete”, on 31st March, 2015.

Computer Science & Engineering Department

- Prof. Mousumi Das delivered a lecture on the topic of “An Introduction to Hashing” on 31st January, 2015.
- Mr. Saikat Chakraborty delivered a lecture on the topic of “Holographic Data Storage” on 8th April, 2015.

Electrical Engineering Department

- Prof. Sandeep Das delivered a lecture on the topic of “Solar Insolation Utilizer” on 17th March, 2015.
- Prof. Dr. Ajay Kumar Datta, Head of the Department, delivered a lecture on the topic of “Radar Cross Section Imaging Methodology” on 31st March, 2015.

Electronics & Communication Engineering Department

- Prof. Writi Mitra delivered a lecture on the topic of “Utility of Reprogrammable Electronics devices” on 24th February, 2015.
- Mrs. Bidisha Sengupta delivered a lecture on the topic of “Architecture of 8086 μ p” on 3rd March, 2015.
- Prof. Swarup Samanta delivered a lecture on the topic of “Multiplexing in Communication” on 21st March, 2015.

General Science & Humanities Department

- Prof. Dr. Akash Roy delivered a lecture on the topic of “Introduction to nanotechnology” on 11th February, 2015.
- Mr. Pradip Ghosh delivered a lecture on the topic of “How the Boomerang returns” on 13th May, 2015.

Mechanical Engineering Department

- Prof. Sandip Basu delivered a lecture on the topic of “Generative Manufacturing process” on 7th February, 2015.
- Mr. Tathagata Mallick delivered a lecture on the topic of “Application of 2nd order Differential Equation in Vibrational Analysis” on 21st February, 2015.

Students' Achievements

- The following students from the Mechanical Engineering Department cleared GATE 2015:

Name	Score	All India Rank
Himansu Shaw	558	8524
Jai Kishan	428	18756
Mithilesh Kumar Koiri	495	12635

- The following students from the Civil Engineering Department cleared GATE 2015:

Name	All India Rank
Krishna Nand Thakur	2483
Souvik Roy	3224
Satyaki Dey	6440
Avrodeep Dutta	7204
Alik Kumar	7300
Sankesh Kosta	9011
Shiw shankar Shaw	9011
Soumalya Dey	9258

Shuva Bhunia	9258
Koustav Ghosh	10140
Prasenjit Das	10551

- Sankhadeep Chatterjee and Saubhik Paladhi, final year students of CSE, published a paper titled “Counting all possible simple paths using Artificial Cell division mechanism for directed acyclic graphs” in Computing for Sustainable Global Development (INDIACom), 2015 2nd International Conference, published in IEEE Digital Library ,pp-1874-1879, print ISBN: 978-9-3805-4415-1, INSPEC Accession Number: 15109988.
- Sourav Chandra, Samir Bhowmik and Sudipto Bhaumik, final year students of ECE, published a paper titled “A comparative study on Main and Side lobe of frequency response curve for FIR Filter using Frequency Series Expansion Method”, in IOSR Journal of Electronics and Communication Engineering (IOSR-JECE), e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 10, Issue 2, Ver. III (Mar - Apr.2015), PP: 79-82.
- Piyali Mukherjee, 4th year ECE, stood 1st in the event Innovation-&-U in Techetc 2K15.
- Mukesh Kumar, 4th year ECE, and Prakash Kr. Kashyap, 2nd year ECE, stood 1st and 3rd respectively in the event Sudoku in Techetc 2K15.
- Mukesh Kumar and Deepak Kumar Yadav, 4th year ECE, stood 1st in the event Hunt-for-Fun in Techetc 2K15.
- Nisha Sarkar, Mainak Nath, Pradeepta Chattopadhyay, Gourav Roy Choudhury, Anindita Sinha, Jayanta Roy and Suman Kr. Majhi , 3rd year ECE, stood 1st in the Model Competition Event (Tech Master) in Techetc 2K15.
- Mainak Nath and Nisha Sarkar, 3rd year ECE, stood 1st in the event μ -tel’85 in Techetc 2K15. Md. Shahbaz and Sandip Barman, 3rd year ECE, stood 3rd in the same event.
- Mainak Nath, 3rd year ECE, stood 1st in departmental Crossword competition in Techetc 2K15.
- Sumit Bajaj, Suman Kr. Majhi and Mohit Chouhan of 3rd year ECE stood 1st in Edge-O-Voider (Robotech) in Techetc 2K15. Arindam Hazra, Nafisa Parween and Ridhi Sarkar, 2nd year ECE, stood 3rd in the same event.
- Sumit Bajaj, Suman Kr. Majhi and Mohit Chouhan,3rd year ECE, stood 2nd in the event Linefollower (Robotech) in Techetc 2K15. Sumit Tarwey, Sabib Hassan and Samsad Alam, 2nd year ECE, stood 3rd in the same event.
- Somnath Bhunia, 2nd year ECE, and Pradeepta Chattopadhyay, 3rd year ECE, stood 2nd and 3rd respectively in the event Instant Cricket in Techetc 2K15.
- Md. Shahbaz and Suman Kr. Maji, 3rd year ECE stood 3rd in the event Circuitech in Techetc 2K15.
- Ratul Dutta, 3rd year ECE, stood 3rd in the event NFS Most Wanted in Techetc 2K15.
- The group of Ratul Dutta from 3rd year ECE, Souvik Pramanik, Rupam Dutta from 3rd year EE and Subhashish Chakraborty, Rupam Biswas from 3rd year ME, stood 2nd in the event Counter Strike in Techetc 2K15.
- Arindam Roy, 3rd year ME, stood 1st in the departmental Crossword competition in Techetc 2K15.
- Arindam Roy and Victor Dey, 3rd year ME, stood 1st in the event Quizzard in Techetc 2K15.

Student-Industry interface

Civil Engineering Department

- Pritam Mondal, Arindam Nandy and Sudeshna Saha, students of 3rd year. attended a training programme from 18th December, 2014 to 17th January, 2015 in the T & T sector of Kolkata Metropolitan Development authority.

- Pritam Mondal, Arindam Nandy and Sudeshna Saha, students of 3rd year, completed the certificate course in computer aided designing from April, 2014 to September, 2014 in Bandel Youth Computer Training Centre.
- Rahul Ghosh, student of 3rd year, attended a training programme from 15th December, 2014 to 14th January, 2015, organized by Mackintosh Burn Limited, Kolkata.
- Rahul Ghosh, student of 3rd year, completed the course on STAAD.Pro from 16th June, 2014 to 5th July, 2014.

Mechanical Engineering Department

- Details of the students who have interacted with different industries are given below:

Name of the visiting Students	Name of the visited Industries
Debasis Maity	MSME Tool Room Kolkata
Pranab Ghosh	
Sourav Ghosh	
Arindam Roy	Mother Dairy Calcutta
Debasis Maity	
Pranab Ghosh	
Saunak Sarkar	Damodar Valley Corporation
Arindam Roy	
Debasis Maity	
Pranab Ghosh	
Saunak Sarkar	
Subhranil Das	
Sourav Ghosh	South Eastern Coalfields Limited
Soumyadeep Rakshit	
Syamontak Mukherjee	Metal & Steel Factory, Ishapore
Ayan Debnath	
Subhranil Das	UIC Udyog Limited

Students' Participations

- Bikramjit Dawn, 3rd year CE student, participated in the popular reality TV show “**DADAGIRI**” anchored by Sourav Ganguly on 25th May, 2015.



- Urbesh Sarkar & Goutam Saha, final year students of EE, participated in “Paschim Banga Bigyan Mancha” science exhibition competition held during 3rd to 5th April, 2015 at Charusila Girls’ High School, Baidyabati. They presented a model based on “remote controlled home appliances”, which was much appreciated by the organizing committee.
- Abhinaba Paul, Gourav Biswas, Akashdeep Bhattacharya, Pranati Karmokar, Joyita Golder and Aishyaraya Mukherjee, 2nd year CE students, participated in a Science Fair, organized by Charushila Bose Girls High School, Baidyabati, held during 3rd to 5th April, 2015.

Faculty Participation

- Prof. Dr. Abhijit Patra participated in the session on Healthcare, Education and Skills Sector of “Bengal Global Business Summit 2015”, organized by Govt. of W.B. at the Salt Lake Stadium, Kolkata on 8th January, 2015.
- Prof. Dr. Abhijit Patra participated in “India Innovation Growth Programme in Goa”, organized by FICCI at The Lalit Great Eastern, Kolkata, on 13th January, 2015.
- Prof. Debasish Bhattacharya, CE Dept., attended a short term training programme on “Surveying by Total station”, organized by NITTTR, Kolkata from 23rd to 28th January, 2015.
- Prof. Arpita Chattopadhyay, Prof. Tonumoy Ghosh and Prof. Shibasish Deb, CE Dept., attended a short term training programme on “Laboratory and field tests on soil”, organized by NITTTR, Kolkata from 25th May to 5th June, 2015.
- Prof. Sumanta Daw and Prof. Dibyendu Samanta, CSE Dept., attended a one week ISTE STTP on “Introduction to Design of Algorithms” conducted by IIT Kharagpur from 25th May to 30th May, 2015.
- Prof. Sandeep Bhowmik from CSE Dept., who is the convener of the Entrepreneurship Development Cell in the college, participated in the workshop for ‘Promoting Science & Technology Entrepreneurship’ conducted jointly with Entrepreneurship Development Institute of India (EDII), Ahmedabad, on 13th March 2015 at Bengal National Chamber of Commerce & Industry (BNCCI).

Faculty Achievements

- Prof. Dr. S.P. Mukherjee, Gen Sc. & Hu Dept., was honoured by the University of Madras to act as an adjudicator cum examiner for a Ph.D thesis in Mathematics in 2014.
- A DST-SERB project entitled “Studying the properties of Quantum Optical Vortex” (No: SR/S2/LOP-0002/2011) has been completed by Principal Investigator Prof. Dr. Abir Bandyopadhyay from Gen Sc. & Hu Dept.
- A DST-SERB project entitled “Studying the properties of Quantum Elliptical Vortex” (No: SR/S2/LOP-001/2014) has been sanctioned with Principal Investigator Prof. Dr. Abir Bandyopadhyay from Gen Sc. & Hu Dept.

Publications of Faculty Members

Publications in Journals

❖ International Journal

Civil Engineering Department

- Bhattacharyya, P.G., Ghosh T., Paul R. and Das A, “A Comparative Study of Flexural Fatigue Response of Lime-Laterite and Lime-Fibre-Laterite Soil Mixtures at Different Densities”, accepted for publication in Jordan Journal of Civil Engineering, vol. 10, No. 4, 2016.
- Bhattacharya, D. and Paul, R., “Self compacting concrete: A review”, International Journal of development and Research, Volume 05; Issue 04; April 2015 ISSN 2230-9926.

Electronics & Communication Engineering Department

- Sourav Chandra, Samir Bhowmik, Sudipto Bhaumik, Subhojit Malik published the paper “ A comparative study on Main and Side lobe of frequency response curve for FIR Filter using Frequency Series Expansion Method”, in IOSR Journal of Electronics and Communication Engineering (IOSR-JECE), e-ISSN: 2278-2834,p- ISSN: 2278-8735. Volume 10, Issue 2, Ver. III (Mar - Apr.2015), PP: 79-82.

- Dr. Samir Kumar Bandyopadhyay, Subhojit Malik, Writi Mitra published the paper “ Hiding Information- A Survey”, in Journal of Information Sciences and Computing Technologies (JISCT), ISSN: 2394-9066, Volume 3, Issue 3, May , 2015, PP: 232-240.
- Writi Mitra, Subhojit Malik published the paper “Performance Analysis of the Recursive Least Squares Algorithm”,in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN (Print) : 2320 – 3765, ISSN (Online): 2278 – 8875, DOI: 10.15662/ijareeie.2015.0405090 , Vol. 4, Issue 5, May 2015, PP: 4520-4526
- Debasmita Basu, Writi Mitra, Subhojit Malik published the paper “Effect Of Varying Step Sizes On The Performance Of LMS Based Adaptive Filter Algorithms”, in International Journal of Research in Engineering & Advanced Technology (IJREAT), ISSN: 2320 – 8791, Volume 3, Issue 2, April-May, 2015, PP: 324-332.

Mechanical Engineering Department

- A. Dutta and A. Patra “The Experimental Comparison of the Performance of Four Stroke Single Cylinder Water Cooled Diesel Engine between Pure Diesel and Methanol-Diesel Blended Fuel”, Global Journal on Advancement in Engineering and Science, 2015, ISSN: 2395-1001, Vol.1, Issue 3, pp. 76-80.

General Science & Humanities Department

- Subham Ganguly, “Evolution of Print Advertisements in Pre-Independent India”, in The Criterion: An International Journal in English, Volume-V, Issue- VI, pp. 286-302, December 2014,ISSN: 0976- 8165.

❖ National Journal

General Science & Humanities Department

- N Tarafder, “Fashion and Consumer Behavior – Part I”, Man-Made Textiles in India, Vol. XLIII, No. 2, February 2015, pp. 45 - 50.

Publications in Conferences

❖ International Conference

Computer Science & Engineering Department

- Sirshendu Hore co-authored a paper titled “Counting all possible simple paths using Artificial Cell division mechanism for directed acyclic graphs” in Computing for Sustainable Global Development (INDIACom), 2015 2nd International Conference, published in IEEE Digital Library ,pp-1874-1879 ,print ISBN: 978-9-3805-4415-1, INSPEC Accession Number: 15109988.

Electrical Engineering Department

- Sandip Das, S. Mazumdar, “A model based solar insolation utilisier for socio economic development”; Computer, Communication, Control and Information Technology (C3IT), 2015, Third International Conference on Year: 2015, Pages: 1 - 6, Print ISBN: 978-1-4799-4446-0, DOI: 10.1109/C3IT.2015.7060159; © IEEE Conference Publications.
- Sandip Das, “Logically Organised Sensor Based Prototype Model for Automatic Control of Process Temperature”, Information Systems Design and Intelligent Applications, Proceedings of Second International Conference : INDIA 2015, Vol. 2, pp. 629-637; ISSN 2194-5357, ISSN 2194-5365 (electronic), Advances in Intelligent Systems and Computing, Vol. 340, 2015, pp. 629-637; ISBN 978-81-322-2246-0 (Print), ISBN 978-81-322-2247-7 (eBook), DOI 10.1007/978-81-322-2247-7; © Springer India 2015.

General Science & Humanities Department

- “Analysis of activation Energy and Humidity Sensing Studies of Al₂O₃-ZnO nanomaterials”, Suneet Kumar Mista, Abhishek Panwar, Anoop Kumar Gautam, Vijaya Bharti Rajput, Sanchita Singh, Akash Roy, Vandna Shukla, Narendra Kumar Pandey, 2nd International Symposium on Physics and Technology of Sensors, 8-10 March, 2015, C-MET, Pune, India, page.180-81.
- “Relative Humidity Sensing Properties of V₂O₅ Doped ZnO Nanocomposite”, Abhishek Panwar, Anoop Kumar Gautam, Vijaya Bharti Rajput, Sanchita Singh, Suneet Kumar Mista, Vandna Shukla, Akash Roy, Vikas Kumar Verma, Narendra Kumar Pandey, 2nd International Symposium on Physics and Technology of Sensors, 8-10 March, 2015, C-MET, Pune, India, page.182-83.

❖ National Conference

General Science & Humanities Department

- “Study of Characterization and Humidity Sensing Application of Al₂O₃ Doped ZnO Nanomaterials” Suneet Kumar Misra, Narendra Kumar Pandey, Vandna Shukla and Akash Roy, P-3, page. 76, Materials Science Section, Proc. of the 102nd Indian National Science Congress, Mumbai-2015.

Other Areas

- Nakul Ch.Mondal & Subhendu Kar “Higher & Technical Education in India: a retrospective glimpse to future prospects” in national Conference on National Mission on Libraries: Disseminating knowledge for Developing Societies, March 12-13, 2015, Vidyasagar University, West Bengal.

Photo Gallery



Annual Sports Meet, 2015

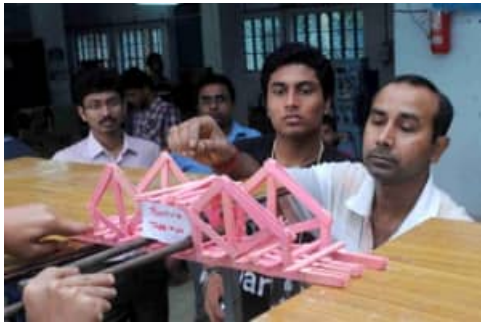




Annual College Festival **Utkarsha 2015**







Two-day Tech-Fest **TECHETC 2K15**



Annual Lecture 2015