

HETC Chronicle

Hooghly Engineering & Technology College

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Campus News

The Orientation Programme for newly admitted 1st Year students was held on 12th August, 2015.



An interactive session was organized by the HETC Student Chapter of IE(I) on 1st October, 2015 where Dr. A.K. Gupta, Director, EEA, & Dr. Ali, Director, Examination, answered all the queries raised by the members of the chapter and the attending faculty members.



Students of all the departments celebrated “Teachers’ Day” by felicitating the teachers and organizing cultural programmes throughout the day.



A seminar was organized by the ED Cell of HETC, where Mr. Aniruddha Ghosh, Director, Leadtek Systems, delivered a lecture on “Entrepreneurship” on 25th August, 2015 at the Seminar Hall.



A competition on presentations of “Innovative Ideas” was organized by the HETC Student Chapter of IE(I) on 21st October, 2015 where two students from each of the five departments took part.



Departmental Academic Activities

Computer Science & Engineering Department

- A one day seminar was conducted by Ardent Technologies India Pvt. Ltd. on “Emerging Trend of Engineering in Computer Science” on 7th November, 2015.

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.
- Mr. Rajreet Bagchi, an alumnus of Civil Engineering Department, delivered a lecture on “Present scenario of Civil Engineering jobs” on 24th November, 2015.

Electronics & Communication Engineering Department

- Newsletter (ECE CHRONICLE) was published in September, 2015.
- A 1 day workshop on “Signals and Systems in MATLAB Platform” was conducted on 13th October, 2015.
- A 1 day workshop on “Wave Shaping using Diodes” was conducted on 5th November, 2015.

Seminars organized

Computer Science & Engineering Department

- Mr Shirshendu Hore delivered a lecture on the topic of “LINQ” on 20th August, 2015.
- Mr Somojyoti Sinha delivered a lecture on the topic of “Principles of Solving Algebraic Equations” on 16th September, 2015.
- Mr Milan Kumar Dholey delivered a lecture on the topic of “Proposal to provide security in DSR routing protocol” on 14th October, 2015.
- Mr Rupam Some delivered a lecture on the topic of “Battlefield Surveillance using Heterogeneous Mobile Sensor Networks” on 18th November, 2015.

Civil Engineering Department

- Prof. Rajdip Paul delivered a lecture on the topic of “Wind analysis on a ‘Z’ –Plan- Shaped tall building by computational fluid dynamics” on 11th September, 2015.

Electrical Engineering Department

- Prof. Sannishtha Banerjee delivered a lecture on the topic of “Design of captive Co-generation Power Plant” on 6th August, 2015.
- Prof. Anikendu Maitra delivered a lecture on the topic of “Discrimination of protective relays” on 20th August, 2015.
- Prof. Debolina Pradhan delivered a lecture on the topic of “Harmonics assessment in stator and rotor control ac drives” on 17th September, 2015.
- Prof. Chanadan Jana delivered a lecture on the topic of “PSO based distributed generation problem” on 24th September, 2015.

Electronics & Communication Engineering Department

- Prof. Madhumita Datta delivered a lecture on the topic of “Programmable Interrupt Controller 8259” on 15th October, 2015.

Mechanical Engineering Department

- Mrs. Dipanwita Biswas, Technical Assistant, delivered a lecture on “Brief Introduction on strain Hardening and Modes of Fracture” on 22nd August, 2015.
- Prof. Supriyo Roy, Asst. Professor, delivered a lecture on the topic of “Application of Calculus of Variations in Mechanics” on 12th September, 2015.

General Science & Humanities Department

- Dr. Pratyay Debnath, Associate Professor, delivered a lecture on the topic of “Game Theory for All” on 4th September, 2015.

Other Areas

- Mr. Anindya Banerji, Ph.D. Scholar of Dr. Abir Bandyopadhyay, delivered a lecture on the topic of “Adding Quantum to Computer” on 10th October, 2015.

Students’ Achievements

- Sumit Bajaj and Suman Kr. Majhi of 4th year ECE stood 1st and 2nd respectively in the event “Innovative Ideas” organized jointly by Institute of Engineers (India) student chapter of HETC.

Student-Industry interface

Civil Engineering Department

- An industrial visit was organized by Civil Engineering Department on 6th November, 2015 on Delhi Road Widening Project undertaken by M/S Chand R. Agarwal Pvt. Ltd. at Mogra Railway Crossing.

Students’ Participations

- Abhishek Manna, 3rd year, EE Dept., has successfully completed a four-week industrial training on Automation Technology, covering PLC and SCADA / HMI, with grade “E”, in August 2015, from WEBEL Automation and Convergence Academy.

Faculty Participation

- Dr. N. Tarafder and Prof. Sandeep Bhowmik attended a brainstorming session on “Improving the Employability of Students of Science & Technology” organized by CII on 29th September, 2015 at IBM office, Tower C, New Town, Rajarhat, Kolkata.
- Prof. Rajdip Paul, Prof. Piyali Das and Prof. Arpita Das, CE Dept., attended a two-week training programme on “Comprehensive course on Structural Analysis and Design(Software based)”, organized by NITTTR, Kolkata from 8th June to 19th June, 2015.
- Prof. Debashis Bhattacharya, Prof. Ratanmoni Chakraborty, CE Dept., attended a one week training programme on “Laboratory test on concrete materials”, organized by NITTTR, Kolkata from 6th July to 10th July, 2015.
- Prof. Arpita Chattopadhyay delivered lecture on “Construction of Highway” at Technique Polytechnique Institute on 7th November, 2015
- Prof. Mousumi Jana Bala and Prof. Anikendu Maitra from EE Dept., attended a two-week short term training programme on “Electrical Machines and Power Systems”, organized by NITTTR, Kolkata from 29th June, 2015 to 10th July, 2015.

- Prof. Sannistha Banerjee from EE Dept., successfully completed a two-week quality improvement programme on “Creativity and Innovation” at IIT, Delhi in July 2015.
- Prof. Sandip Basu, Prof. Shamik Ghosh & Mr. Shantabrata Pal participated in a 3days’ training programme on “CNC XLMILL”, in Chennai from 17th November to 19th November, 2015.

Faculty Achievements

- Prof. Rajdip Paul and Prof. Tanumoy Ghosh, from CE Department, have successfully registered for PhD at IEST, Shibpur.
- Prof. Rupam Some, from CSE Department, has successfully registered for PhD at IEST, Shibpur.
- Prof. Avijit Maity, from EE Department, has obtained Ph.D. (Engineering) degree from Jadavpur University, Kolkata.
- Prof. Supriyo Roy, from ME Department, has obtained Ph.D. (Engineering) degree from Jadavpur University, Kolkata.

Publications of Faculty Members

Publications in Journals

❖ International Journal

Mechanical Engineering Department

- Abhijit Patra , S.Ganguly, P. P. Chattopadhyay, S.Dutta “Computational design and development of novel Ai-Mg-Sc-Cr alloy”, Multidiscipline Modeling in Materials and Structures, Vol.11, No. 3, 2015 pp. 1-13, DOI:10.1108/MMMS-12-2014-0061.

General Science & Humanities Department

- Subham Ganguly, “A Close Study of Amitav Ghosh’s *The Shadow Lines*: Problematizing the Concept of Home & Nation”, in International Journal of English Language, Literature and Translation Studies (IJELR), Vol. 2. Issue 3, July-Sept. 2015, pp. 486-488, ISSN-2349-9451(online): ISSN (Print): 2395-2628.
- Abhranil De, “Synthesis, structural characterization and solution property of an one dimensional Pb(II)-bipyridine coordination polymer”, J. Coord. Chem (UK). 68 (2015) 169-180.
- Misra S.K., Pandey, N.K., Shakya, V., Roy, A., “Application of Undoped and Al₂O₃-Doped ZnO Nanomaterials as Solid-State Humidity Sensor and Its Characterization Studies”, IEEE Sensors Journal, Vol. 15, Issue: 6, Pages 3582 – 3589, 2015.

❖ National Journal

General Science & Humanities Department

- N Tarafder, “Sports Textiles for Sports Activities and Equipments”, Man-Made Textiles in India, Vol. XLIII, No. 6, June 2015, pp. 245 - 250.
- N Tarafder, “Applications of Geotextiles in Railroads”, Man-Made Textiles in India, Vol. XLIII, No. 8, August 2015, pp. 299 - 303.
- Abhranil De, “Synthesis, crystal structure, catecholase activity, DNA cleavage and anticancer activity of a dinuclear manganese(III)-bipyridine complex” Indian Journal of Chemistry Vol. 54A, February 2015, pp. 170-178.

Publications in Conferences

❖ International Conference

Computer Science & Engineering Department

- Prof. S. Bhowmik, along with co-author S. Chakraborty of Kalyani University, published a paper titled “Blending Roulette Wheel Selection with Simulated Annealing for Job Shop Scheduling Problem” at the international conference organized by the Institute of Engineering and Technology (UK), Kolkata Local Network on September 12 -13, 2015.
- Prof. Rupam Some, along with Prof. (Dr.) Indrajit Banerjee of Indian Institute of Engineering Science & Technology, published a paper titled “A Novel Routing Protocol for Heterogeneous Mobile Sensor Network ” at the international conference organized by SCMS Engineering College in Kerala.
- Prof. Rupam Some, along with Prof. (Dr.) Indrajit Banerjee of Indian Institute of Engineering Science & Technology, published a paper titled “A novel routing protocol using heterogeneous Zigbee modules for mobile sensor network” in ICACCI 2015: 2096-2102.
- Sanghamitra Das, Abhinab Roy, “Signature Verification Using Rough Set Theory Based Feature Selection”, published in December, 2015 in 2nd International Conference on Computational Intelligence in Data Mining in Springer, Volume 411 of the series Advances in Intelligent Systems and Computing, pp 153-161.

General Science & Humanities Department

- Abhranil De delivered a poster presentation on “Synthesis, crystal structures and biochemical activities of different transition metal complexes” in 16th International symposium on “Modern Trends in Inorganic Chemistry” (MTIC XVI) organized by Dept. of Chemistry, Jadavpur University on 3-5th Dec,2015.

❖ National Conference

General Science & Humanities Department

- Abhranil De, “A brief glimpse of A. P. J Abdul Kalam” , a national seminar organized by Raghunathpur College, Purulia on “A tribute to peoples man A.P.J. Abdul Kalam who served our nation through his life and works” in January, 2015.

Photo Gallery





Orientation Programme 2015



An interactive session of HETC Student Chapter of IE(I) with Dr. A.K. Gupta & Dr. Ali



A presentation competition on "Innovative Ideas"



Teachers' Day Celebration 2015