

HETC Chronicle

Hooghly Engineering & Technology College

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Campus News

The second edition of Photowalk, the photography contest, was organized by the Magazine Committee on 15th February, 2018.



The Annual Sports Meet was held on 24th February, 2018 at the college ground.



The fourth Annual Technical Festival "TECHetc 2k18" was held at the college campus on 23rd and 24th March, 2018.



A panel discussion was organized by the Magazine Committee on 17th February, 2018.



A half-day seminar was organized by ED Cell on 20th March, 2018, where officials from UCO Bank, Hooghly, and representatives from District Industries Centre addressed the students.



The Annual Cricket Tournament was held at the college ground during April, 2018. ME 1st Year won the tournament.

Principal's Column



An engineering or any academic institute may become famous for its academic standard and excellence. But to truly become an institute of repute, several other areas of activities also play a decisive and prominent role. The activities might spread over a number of areas like cultural, sports & games, literary, social, humanity, community etc. These help the stake-holders and the students, in particular, in developing different human values along with exhibiting skill, expertise and interest in academic as well as extra-curricular fields.

I feel happy to share that one of the impressive activities of this college is the publication of a half-yearly e-newsletter "**HETC Chronicle**", which documents the various Campus events and activities. Moreover, this space provides recognition and appreciation to all the faculty members and the students of the college who have brought laurels to the institution through their participation or achievements in different academic as well as extra-curricular activities.

On the occasion of releasing the newsletter for the period of January to June 2018, I congratulate the entire team of "**HETC Chronicle**" for a timely and quality publication which would definitely inspire us all to strive for a still more better work in the future.

Prof. Dr. Sumanta Bhattacharyya
Principal, HETC

Campus News

The Annual College Festival "Utkarsha 2018" was held at Aquamarina, Hooghly on 25th April, 2018.



The HETC Student Chapter of IE(I) organized a Technical Paper Presentation Competition on 28th April, 2018.

A blood donation camp, organized jointly by HETC and Project Life Force, was held in the college campus on 2nd May, 2018.



A Farewell was given to the final year students of all departments of the 2014-2018 batches on 2nd May, 2018.

Activities related to Spoken Tutorial

- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-BOMBAY under NMEICT, MHRD Govt. of India, on Linux was organized for all the students of C.S.E 3rd year under the supervision of Prof. Shyamal Pal.
- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-BOMBAY under NMEICT, MHRD Govt. of India, on Advance C was organized for all the students of E.C.E 2nd year under the supervision of Prof. Madhumita Datta.
- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-BOMBAY under NMEICT, MHRD Govt. of India, on Java was organized for all the students of E.C.E 3rd year under the supervision of Prof. Swarup Samanta.
- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-BOMBAY under NMEICT, MHRD Govt. of India on OSCAD was organized for all the students of E.C.E 4th year under the supervision of Prof. Jagadish Bhattacharya.

- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-BOMBAY under NMEICT, MHRD Govt. of India on LATEX was organized for all the students of M.E 3rd year under the supervision of Prof. Abhijit Dutta.
- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-BOMBAY under NMEICT, MHRD Govt. of India on Libre Office was organized for all the students of M.E 4th year under the supervision of Prof. Rajib Kr. Mandal.

Departmental Academic Activities

Civil Engineering Department

- Department of Civil Engineering took up consultancy work on Testing of Concrete Cubes of various grades for Mondal Construction Co. Ltd, Techno Waxchem Pvt Ltd, Greenwell Builders, and L.L.P, M/S Chakraborty Construction in favour of Sreegopal Banerjee College.
- Mason training Programme organized by Civil engineering Department under the co-ordination of Dalmia Cement Group on 20th January, 2018.

Computer Science & Engineering Department

- A Workshop on “Ethical Hacking” was organized for all the students of CSE on 6th and 7th April, 2018.
- A one-day seminar on “IoT (Internet of Things)” was organized by the department in collaboration with TCS iON for all the 2nd and 3rd year students of CSE. The seminar was held on 11th April, 2018.
- A one-day seminar on “Android and its Application” was organized for all the students of CSE in association with Webskitters Technology Solution Pvt. Ltd. The seminar was held on 13th April, 2018.

Electronics & Communication Engineering Department

- A workshop on “Autonomous Robotics and Embedded Systems” in association with TEKNIK was organized on 15th and 16th March, 2018 for 1st year students of all departments and 2nd year students of the ECE, CSE and EE departments.
- A workshop on “PCB Design and Fabrication” in association with TEKNIK was organized on 16th and 17th March, 2018 for 1st and 2nd year students of the ECE, CSE and EE departments.
- To celebrate Women’s Day, a workshop on “Embedded System using Arduino” in association with TEKNIK and IEEE Computer Society was organized on 3rd April, 2018 for 1st to 3rd year girl students of the ECE, CSE and EE departments.
- A workshop on “PCB Design and Fabrication” in association with TEKNIK was organized on 4th and 5th April, 2018 for 1st to 3rd year students of the ECE, CSE and EE departments.

Seminars organized

Civil Engineering Department

- Prof. Rajdip Pal delivered a lecture on the topic of “Wind effects on ‘L’ plan shaped tall building: a case study” on 31st March, 2018.

Computer Science & Engineering Department

- Prof. Sirshendu Hore delivered a lecture on the topic of “Need for security in this Digital Era” on 24th March, 2018.

Electronics & Communication Engineering Department

- Mrs. Shyamali Gayen, senior Technical Assistant, delivered a lecture on the topic of “DC Power Supply” on 27th March, 2018.
- Prof. Manish Kumar Singh delivered a lecture on the topic of “Introduction of Smith Chart” on 4th May, 2018.

Basic Science & Humanities Department

- Prof. Pradip Ghosh delivered a lecture on “7 Segment Display” on 20th January, 2018.
- Prof. Sudeshna Banerjee delivered a lecture on “An introduction to Integration and Differentiation of Arbitrary order” on 28th April, 2018.

Students' Achievements

- The following students from the Civil Engineering Department cleared GATE Exam- 2018:

Name	All India Rank	Gate Score
Prasun Mondal	3391	627
Rana Sen	18295	369
Anwasha Mukhopadhyay	9476	477
Jit Saha Chowdhury	26052	314
Subhankar Mondal	32100	283
Simantiny Ghosh	19285	361

- Mrinmoy Sarkar, 4th year CSE, has qualified in GATE 2018.
- Munna Kumar Sah, 4th year EE, qualified in GATE 2018, with GATE Score of 496 in EE.
- Sukanta Saha, 4th year ECE, qualified in GATE 2018 with 6875 All India Rank.
- Rishav Kumar Sharma, Subhadip Dutta and Chimoy Biswas, 4th year ME, qualified in GATE 2018.
- Arnab Roy, 2nd year CE, stood 2nd in Photowalk 2018.
- Avishek Chowdhury, 4th year CE, stood 3rd in Photowalk 2018.
- Abhranil Das, 4th year CE, stood 2nd in short story competition organized by magazine committee.
- Avishek Chowdhury, 4th year CE, and Debanik Ghosh, 2nd year CE, stood 3rd in short story competition organized by magazine committee.
- Debanik Ghosh and Sayani Bhowmik, 2nd year CE, secured 3rd position in the event “Quizzard” in TECHetc 2K18.
- Abhishek Chowdhury and Indrajit Mal, 4th year CE, secured 1st position in the event “Hunt For Fun” in TECHetc 2K18.
- Arnab Kundu, Pravakar Pal and Arijit Koner, 3rd year CE, secured 1st position in the event “Bridge The Gap” in TECHetc 2K18.
- Gunjan Nandy, Jit Saha Chowdhury, Ishika Dutta and Prasun Mondal, 4th year CE, secured 3rd position in the event “Bridge The Gap” in TECHetc 2K18.
- Debanik Ghosh, Sayani Bhowmik and Shirshendu Ghosh, 2nd year CE, secured 1st position in the event “Model Display” in TECHetc 2K18.
- Abhishek Chowdhury, 4th year CE, secured 2nd position in the event “Sudoku” in TECHetc 2K18.
- Ratnadeep Ghosh and Rajdip Sil, 3rd year CE, participated in the Technical Paper Presentation Competition organized by IE (I) Students' Chapter, HETC and it was among the top five selected technical papers.

- Abir Lal Pal, 4th year CSE, and Suneha Ghosh, 2nd Year CSE, jointly presented a technical paper titled” Smart Wheel” in Technical Paper Presentation Competition, organized by IE (I) Students’ Chapter, HETC.
- Raj Kumar Pal, 4th year CSE, successfully completed his final year project from IIIT, Kalyani, under the guidance of Prof. (Dr.) S.K. Hafizul Islam.
- Sayantan Singha, 4th year CSE, successfully completed his final year project from IEST, Shibpur, under the Guidance of Prof Dr. Samit Biswas.
- Avijit Ghosh and Saswati Sharma, 4th year CSE, successfully completed their final year project from Kalyani Government Engineering College, Kalyani, under the guidance of Prof. Partha Sarathi Banerjee.
- Mrinmoy Sarkar, 4th year CSE, has qualified in GATE 2018.
- Munna Kumar Sah, 4th year EE, qualified in GATE 2018, with GATE Score of 496 in EE.
- Arunangshu Ganguly and Rohit Chatterjee, 2nd year EE, got prizes in the Technical Paper Presentation Competition, organized by IE (I) Students’ Chapter, HETC.
- Rohit Chatterjee and Priti Paul, 2nd year EE, stood 1st in the event “Instant Circuit Making” in TECHetc 2K18.
- Shrestha Chatterjee and Souptik Chakraborty, 3rd year EE, stood 2nd in ‘ Instant Circuit Making ‘ event ; organized by Electrical Engineering Department, in TECHetc 2K18.
- Arnab Ghosh, Bitan Mondal, Sukanta Saha, Debadrita Dey, Amrita Ghosh and Shreya Chatterjee, 4th year ECE, have completed their final year project in DRDO, India.
- Suvankar Mandal, Shubhrojyoti Sanbui, Rahul Singharoy, Bappa Guha, Diptesh Das, Mainak Das, Arkadipta Bag and Sayantan Bhaumik of 2nd year ECE, stood 1st in Model Display of Tech Fest of SMIT, Guptipara.
- Suvankar Mandal, Shubhrojyoti Sanbui, Rahul Singha Roy, Bappa Guha, Diptesh Das, Mainak Das, Arkadipta Bag and Sayantan Bhaumik of 2nd year ECE, stood 2nd in Model Display of Tech Fest of SKFGI, Mankundu.
- Bappa Guha, 2nd year ECE, got prize in the Technical Paper Presentation Competition, organized by IE (I) Students’ Chapter, HETC on 2nd May, 2018.

Students’ Participations

- Shashi Kant Shaw and Vikram Prasad of CSE 2nd year participated in the 13th Konnagar Science Fair organized by JUKTIMAN from 12th to 14th January, 2018.

Publications of Students

- Bappa Guha and Sourav Kundu of ECE 2nd year published a technical article on “Review about challenges for e-Waste Management” at PRAYAS-2018, Student Technical Article Competition, organized in MCKVE Institute of Engineering and sponsored by IET, SSCS and Electron Devices Society on 29th April, 2018.
- Suvankar Mandal, Shubhrojyoti Sanbui, Rahul Singha Roy and Sayantan Bhaumik of ECE 2nd year published a technical article on “Automatic dual axis solar tracker using Arduino with servo motors” at PRAYAS-2018, Students’ Technical Article Competition, organized in MCKVE Institute of Engineering and sponsored by IET, SSCS and Electron Devices Society on 29th April, 2018.

Faculty Participation

- Prof. Abhijit Dutta, Prof. Sandip Basu and Prof. Shamik Ghosh attended a training program on “Electro-Hydraulic System Simulation and Analysis” on April 25 and 26, 2018 under Research & Development Plan of World Bank assisted TEQIP –III Program of Government of India organized by Mechanical Engineering Department, Jadavpur University, Kolkata.

- Prof. Tamoghna Datta participated in a one- day National Seminar on “Negotiating Peace in the Study of Literature and Culture: Possibilities and Challenges” organized by the Department of English, University of Calcutta, on 28th March, 2018.

Faculty Achivements

- Prof. Sirshendu Hore was appointed as Paper-setter for JIS University, Kalyani, a Deemed University, for B. Tech. even semester exam 2017-2018.
- Prof. Sirshendu Hore acted as an external Post Graduate Project Evaluator for Sikkim Manipal University, Sikkim, Gangtok, for their fall session, 2017-18.
- Prof. Sandeep Bhowmik was appointed as Paper-setter for JIS University, Kalyani, a Deemed University, for B. Tech. even semester exam 2017-2018.
- Prof. Subhojit Malik was appointed as Paper-setter for JIS University, Kalyani, a Deemed University, for their B.Tech. even semester exam 2017-2018.
- Prof. Writi Mitra was appointed as Paper-setter for JIS University, Kalyani, a Deemed University, for their B.Tech. even semester exam 2017-2018.
- Prof. Swarup Samanta was appointed as Paper-setter for MAKAUT, Salt Lake, for their B.Tech. odd and even semester exam 2017-2018.
- Dr. Akash Roy acted as Technical Program Committee member of “2nd European Conference on Materials, Mechatronics and Manufacturing” (ECMMM 2018) held in Krakow, Poland during February 10-12, 2018.
- A PhD student of Dr. Abir Bandyopadhyay successfully submitted his Thesis at Jadavpur University on 11th May, 2018 and joined Physics Res. Lab, Ahmedabad on 23rd May, 2018.

Publications of Faculty Members

Publications in Journals

❖ International Journal

Mechanical Engineering Department

- Ganguly S., Nandi A. and Neogy S. (2018) “A Viscoelastic Timoshenko Shaft Finite Element for Dynamic Analysis of Rotors”, Journal of Vibration and Control, 24(11), pp.2180-2200, DOI: 10.1177/1077546316681685.

Publications in Conferences

❖ International Conference

Civil Engineering Department

- Paul. R., Dalui, S.K. (March, 2018) “Wind Effects on L plan shaped tall building: A Case Study”, Advances in Construction Materials and Structures (ACMS-2018), Civil Engineering Department, IIT, Roorkee, India, pp-29.
- Arpita Das, Showmen Saha, Dibyendu Bhowmik (December, 2017) “Analytical simulation of nanocomposite cementitious materials with Carbon Nano Fiber (CNFs)” published in the Conference Proceeding ICN:3I-2017 Indian IIT Roorkee, India, pp 654.

Computer Science & Engineering Department

- Sirshendu Hore and T.Bhattacharyya “Analyzing the Social Trends towards girl child in India-A Machine Intelligence based Approach” in International Conference on Computing & Communication(ic3smit) on 23rd - 24th March 2018, at Gangtok, Sikkim, India.
- Sirshendu Hore and T.Bhattacharyya “A Machine Learning Based Approach Towards Building a Sustainability Model For the NBA Players” in International Conference on Inventive Communication and Computational Technologies(ICICCT) on 20th -21st April 2018, at Coimbatore, Tamil Nadu, India.

Electrical Engineering Department

- Chandan Jana, Swapan Kumar Goswami and Sugata Munshi “Distributed Generation Placement Based on System Reliability in Unbalanced Distribution System with Uncertainty in Load Demand”, IEEE 3rd International conference, I2CT, Pune, April 7- 8, 2018, ISBN: 978-1-5386-4273-3.
- Sannistha Banerjee, Partha Sarathee Bhowmik, “ Fault Detection by Discrete Wavelet Transform of Medium Voltage Distribution System,” in International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC), March 28-29, 2018.
- Shilpi Saha, Sukanya Parui “Exploration of Nonlinear Behaviour in a V2 Controlled Buck Converter” 3rd IEEE International Conference for Convergence in Technology, I2CT, Pune, April 7-8, 2018, ISBN: 978-1-5386-4273-3 ,IEEE,Bombay Section.
- Pratik Roy, Koushik Banerjee, Shilpi Saha, “Comparison Study on the basis of transient response between Voltage Mode Control (VMC) & Current Mode Control (CMC) of Buck Converter” IEEE International Symposium on Devices, Circuits and Systems (ISDCS), March 29-30, 2018 at IEST, Shibpur.

❖ National Conference

Basic Science & Humanities Department

- Narendra Kumar Pandey, Akash Roy, “Moisture Sensing Application of WO₃-SnO₂ Nanocomposite”, National Seminar on “Recent Advances in Physical Sciences”, organized by P.K. Roy Memorial College, Dhanbad, on 19th -20th January, 2018.
- Rajesh Patra has presented a paper entitled ”Thermo-mechanical analysis of a crack in an infinite functionally graded elastic layer” in the National Seminar on “ Recent Advances in Mathematics and its Applications” held on 8th March, 2018 at the Department of Pure Mathematics, University of Calcutta.

Photo Gallery



Photowalk 2018



Panel Discussion 2018



Annual Sports Meet 2018



Half-day Seminar of ED Cell



TECHetc 2k18



Annual Cricket Tournament 2018



Utkarsha 2k18



Technical Paper Presentation Competition of IE(I) HETC Student Chapter



Blood Donation Camp 2018



Farewell of final year students 2018