

HETC Chronicle

Hooghly Engineering & Technology College

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Campus News

An Anti-Ragging Sensitization Programme was organized by the NGO Society Against Violence in Education (SAVE) in collaboration with HETC on 5th February, 2016 at the college campus.



A 3-Day Entrepreneurship Awareness Camp was organized by HETC in collaboration with EDII, Ahmedabad and sponsored by Department of Science & Technology – NIMAT Project, from 17th-19th February, 2016.



The Annual College Festival 'Utkarsha 2016' was held at the Aqua Marina, near Hooghly Railway Station, Hooghly on 18th March, 2016.



The Annual Sports Meet was held on 6th February, 2016 at the college ground.



The second Annual Technical Festival 'TechHETC 2K16' was held at the college campus on 26th and 27th February, 2016.



The Institution of Engineers (India), Student Chapter of HETC organized the Annual Paper Meet and Technical Quiz Competitions for the student members of HETC Student Chapter, on 14th May, 2016 in the Seminar Hall of the college.



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, Hooghly.
- The Technical Magazine, CE TECH of the department has been published.

Computer Science & Engineering Department

- The Department of Computer Science and Engineering has organized a one day workshop on “Android Technology”, in collaboration with Microsoft Organization, Kolkata Chapter on 31st March, 2016.

Electrical Engineering Department

- Electrical Engineering Department has inaugurated its Departmental Library on 14th January 2016. The Library is enriched with versatile books related to electrical engineering.
- A one day workshop on “Industrial Automation using PLC, SCADA & Drives” was organized by Academy of Industrial Automation & Technology on 15th March, 2016 in the platform of the HETC.

Electronics & Communication Engineering / Electronics & Tele-Communication Engineering Department

- One Day workshop on “Signals and Systems in MATLAB Platform” was conducted by the Electronics & Communication Engineering vis-à-vis Electronics & Tele-Communication Engineering Department on 13th October, 2015.
- One Day workshop on “Wave Shaping using Diodes” was conducted by the Department on 5th November, 2015.
- A 5- Day workshop on “Autonomous Robotics using Arduino” was organized by the Department in collaboration with Skubotics from 20th February, 2016.

Seminars organized

Civil Engineering Department

- Prof. Tanumoy Ghosh delivered a lecture on the topic of “Capacity analysis of Indian multilane Highways” on 17th March, 2016.

Electrical Engineering Department

- Prof. Mousumi Jana Bala delivered a lecture on the topic of “Different aspects of name plate ratings of electrical machines” on 7th April, 2016.
- Prof. Shilpi Saha delivered a lecture on the topic of “DC to DC Converter (Buck Converter)” on 12th May, 2016.

Electronics & Communication Engineering / Electronics & Tele-Communication Engineering Department

- Prof. Swagata Mallick delivered a lecture on “An Overview on Renewable Energy Sources” on 13th April, 2016.

Mechanical Engineering Department

- On 31st March, 2016, Mr. Gautam Banerjee, Technical Assistant of Mechanical Engineering Department, presented a seminar on “An Introduction to Water Treatment Process”.

- On 17th March, 2016, Mr. Saikat Banerjee, Technical Assistant of Mechanical Engineering Department, presented a seminar on “An Introduction to SAP”.

Basic Science & Humanities Department

- Dr. Aishwarya Goswami delivered a lecture on the topic “Arsenic contamination in W.B.” on 4th April, 2016.

Students' Achievements

- The following students of CE Department have qualified in the GATE Examination 2016:

NAME	GATE SCORE
Aritra Kanjilal	540
Tanveer Singh	518
Soham Mukherjee	515
Debduyti Nath	511
Loknath Das	508
Avismith Dutta	468
Arnab Sarkar	456
Jit Prosad Ghosh	441
Rahul Ghosh	397
Rahul Kumar Dey	378
Nilanjan Biswas	304
Nayan Mondal	271

- The following students of ME Department have qualified in the GATE Examination 2016:

NAME	GATE SCORE
Rupam Biswas	417
Pranab Ghosh	526
Amiya Kisku	334
Sanjeet Kumar	387

- Sumit Bajaj of 4th year ECE / ETC has qualified at GATE-2016 with score 572, marks 42.28 and all India rank 3034.
- Sandipan Biswas of 4th year EE qualified in GATE securing all India rank 7622.
- Sayan Saha of 4th year EE qualified in GATE securing all India rank 31812.
- Md. Shahbaz and Rohit Raj, 4th year ECE / ETC, stood 2nd in Quizzard at “TechETC 2K16”.
- Mainak Nath, 4th year ECE / ETC, stood 1st in Technical Crossword (ECE / ETC) at “TechETC 2K16”.
- Pradeepta Chattopadhyay, 4th year ECE / ETC, stood 2nd in Technical Crossword (ECE / ETC) at “TechETC 2K16”.
- Mani Shekhar, 3rd year ECE / ETC, stood 2nd in Instant Cricket organized by the C.S.E. department at “TechETC 2K16”.
- Prantik Biswas and Joydeep Saha, 3rd year ECE / ETC, stood 2nd in Instant Circuit Making organized by the E.E. department at “TechETC 2K16”.
- Suman Kumar Majhi and Pradip Kumar, 4th year ECE / ETC, stood 2nd in Circuitech at “TechETC 2K16”.

- Nisha Sarkar and Mainak Nath, 4th year ECE / ETC, stood 3rd in Circuitech at “TechHETC 2K16”.
- Gairik Chakraborty, 4th year ECE / ETC, stood 3rd in the event FIFA-09 at “TechHETC 2K16”.
- Arnab Ghosh, Sudeep Banik and Bitan Mandal, 2nd year ECE / ETC, secured the 3rd position in Model Display at “TechHETC 2K16”.
- Srijit Barat, 3rd year ECE / ETC, stood 1st in μ -tel' 85 at “TechHETC 2K16”.
- Arindam Hazra and Manas Bhattacharya, 3rd year ECE / ETC, stood 3rd in μ -tel' 85 at “TechHETC 2K16”.
- Prantik Biswas, Subhojit Bose and Soumok Chakraborty, 3rd year ECE / ETC, secured 1st position in Robotech (Line Follower & Edge-O-Voider) at “TechHETC 2K16”.
- Nafisha Parween, Moumita Banerjee and Ridhi Sarkar, 3rd year ECE / ETC, stood 2nd in Robotech (Line Follower & Edge-O-Voider) at “TechHETC 2K16”.
- Suman Kumar Majhi, Pradeep Kumar and Sandeep Barman, 4th year ECE / ETC, stood 2nd in Robozigger organized by the ME department at “TechHETC 2K16”.
- Sumit Bajaj and Suman Kumar Majhi of 4th year ECE / ETC stood 1st and 2nd respectively in the event “Innovative Ideas” organized by the HETC Student Chapter of IE(I) on 21st October, 2015.
- Sumit Bajaj & Suman Kumar Majhi from ECE / ETC 4th year and Nafisha Parween & Arindam Hazra from ECE / ETC 3rd year were awarded the “Shri Dewang Mehta IT Awards-2016” at NASSCOM e-Summit organized on 19th February, 2016 at Eastern Zonal Cultural Centre, Saltlake, Kolakata for being among the top rankers.
- Sumit Bajaj of 4th year ECE / ETC has qualified in Indian Engineering Olympiad (IEO) 2015-2016 with Net Score 49.71, All India Rank 12 and City Rank 3.
- Afaz Ul Haque of 4th year EE stood 1st in the event “Technical Quiz Contest” organized jointly by Institute of Engineers (India) student chapter of HETC.
- Arindam Roy, 4th year ME, stood 1st in Quizzard at “TechHETC 2K16”.
- Victor Dey, 4th year ME., stood 1st in Technical Crossword (ME) at “TechHETC 2K16”.
- Arindam Roy, 4th year ME, stood 2nd in Technical Crossword (ME) at “TechHETC 2K16”.
- Tushar Kanti Saha, Arindam Roy & Victor Dey of 4th year ME stood 3rd in Hunt for Fun at “TechHETC 2K16”.
- Arindam Roy, 4th year ME, stood 2nd in Sudoku at “TechHETC 2K16”.
- Joyjeet Das & Prabhuddha Kanti Dutta of 4th year ME stood 1st in CAD Mania at “TechHETC 2K16”.
- Subham Sanial & Sauvik Samanta of 3rd year ME stood 2nd in CAD Mania at “TechHETC 2K16”.
- Tushar Kanti Saha & Sudip Rudra of 4th year ME stood 3rd in CAD Mania at “TechHETC 2K16”.
- Rupam Biswas of 4th year ME has qualified in Common Admission Test (CAT 2015) with Overall Scaled Score 117.24 and Overall percentile of 87.9.

Student-Industry interface

Electrical Engineering Department

- Sandipan Biswas of 4th year EE has qualified in ‘BIS XIX Batch Selection - L & T Construction’, organized by Larsen & Toubro.
- Sandipan Biswas of 4th year EE has received ‘NASSCOM Certificate of Excellence’, organized by National Association of Software and Services Companies.
- Abhijeet Saha of 4th year EE has completed Training in ‘PLC, SCADA and Drives’, organized by The International Institute for Advanced Training on Control and Automation.

Students' Participations

- Soham Mukherjee, Arindam Nandy and Tanveer Singh, CE 4th year students, participated in the State Level Inter-College Technical Fest “TECH FIESTA’16 held on 19th and 20th February, 2016 in Academy of Technology College and they secured 1st position in the ‘Structiestd’ Event.
- Arindam Nandy (CE 4th year student), Ishika Dutta (CE 3rd year student) secured 1st and 2nd position respectively in the event “Technical Crossword (CE)” in TecHetc 2k16.
- Pinku Santra, Asis Kumar Malik, Uttam das secured 1st position in the event “Tresure Hunt (CE)” and Pranati Karmokar, Akashdeep Bhattacharya and Rakesh Dey secured 3rd position in the same event in TecHetc 2k16.
- Suman Kumar Majhi, Priya Saha and Md. Shahbaz from ECE / ETC 4th year presented a technical model on “Autonomous Traffic Avoiding Surveillance System” at Science & Engineering Fair-2016 organized by Birla Industrial & Technological Museum from 12th January to 16th January, 2016.
- Arnab Ghosh and Bitan Mondal from ECE / ETC 2nd year developed an “Automatic Water Level Controller” and presented the same at 11th Konnagar Science Fair organized by Yuktimon Kala O Bignan Kendra, Konnagar from 22nd January to 24th January, 2016.
- Arindam Hazra, Ridhi Sarkar, Subhojit Bose, Amaresh Saha and Prantik Biswas from ECE / ETC 3rd year developed a “Autonomous Robot” and presented the same at 11th Konnagar Science Fair organized by Yuktimon Kala O Bignan Kendra, Konnagar from 22nd January to 24th January, 2016.
- 20 students from ECE / ETC department participated in One Day Workshop on “Industrial Automation using PLC, SCADA & DRIVES” which was organized by EE Department on 15th March, 2016 in collaboration with Academy of Industrial Automation & Technology.
- 16 students from ECE / ETC department participated in 3-Day Entrepreneurship Awareness Camp organized by HETC in collaboration with EDII, Ahmedabad and sponsored by Department of Science & Technology – NIMAT Project, from 17th-19th February, 2016.
- Abhijeet Saha, Souvik Pramanik and Sumit Ghosh of 4th year EE participated in Science Fare organized by Birla Industrial & Technological Museum (National Council of Science Museums, Ministry of Culture, Govt. of India).
- Rahul Sharma from ME 4th year presented a model on “Solar Car” at Science & Engineering Fair-2016 organized by Birla Industrial & Technological Museum from 12th January to 16th January, 2016.
- Rahul Sharma from ME 4th year participated in “Natural Light International Design Competition” organized by ‘VALUX Group’ from Sweden and ‘Little Sun’ from London. The name of the model was “SUN OF NIGHT”, which is a Solar Lamp. He was the only participant from India.
- 15 students from ME department participated in 3-Day Entrepreneurship Awareness Camp organized by HETC in collaboration with EDII, Ahmedabad and sponsored by Department of Science & Technology – NIMAT Project, from 17th-19th February, 2016.

Faculty Participation

- Prof. (Dr.) N. Tarafder, Emeritus Professor and Dr. Avijit Maity, HOD, EE Dept. attended on 10.05.16 the event “The Millennium Alliance – 2016” at BNCCI, 23rd Sir R. N. Mukherjee Road, Kolkata, organized by FICCI, New Delhi.
- Prof. Debashis Bhattacharya, Prof. Shibasish Deb, Prof. Rajdip Paul and Prof. Arpita Das, CE Dept., attended a Two-week ISTE STTP on “Introduction to Structural Engineering”, conducted by IIT, Kharagpur under the national mission on education through ICT(MHRD).
- Prof. Rajdip Paul, Prof. Shibasish Deb and Prof. Arpita Das, CE Dept., attended a one-week STTP on “Earthquake Resistant Design of RCC Building”, organized by NITTTR, Kolkata from 18th January to 22nd January, 2016.

- Prof. Sandip Basu of ME Dept., attended a one week training programme on “CAD/CAM”, organized by NITTTR, Kolkata from 14th December to 18th December, 2015.
- Prof. Abhishek Mandal of ME Dept., attended a two weeks training programme on “Computations and Optimization in Engineering”, organized by NITTTR, Kolkata from 28th December, 2015 to 8th January, 2016.
- Prof. Rajib Kumar Mandal of ME Dept., attended a one week training programme on “Non-Conventional Machining”, organized by NITTTR, Kolkata from 4th January, 2016 to 8th January, 2016.

Faculty Achievements

- Prof. (Dr.) S. P. Mukherjee was conferred the prestigious “Bharat Gaurav Award 2016” and “Glory of India Gold Medal 2016” by India International Friendship Society (IIFS) and International Institute of Success Awareness (IISA) on 11th March, 2016 at India International Centre, Max Muller Marg, New Delhi.



- Prof. (Dr.) S. P. Mukherjee was also bestowed the “Best Citizens of India Award 2016” by Indian Publishing House - a leading international biographical publishing house, New Delhi.
- Prof. (Dr.) N. Tarafder has become a Member of CEGR (Centre for Education, Growth and Research), New Delhi – Leading Think Tank in India.
- Prof. (Dr.) N. Tarafder has become a Life Member of The Indian Science Congress Association.

Publications of Faculty Members

Publications in Journals

❖ International Journal

Mechanical Engineering Department

- Ganguly S., Nandi A. and Neogy S. (2016) “A state space viscoelastic shaft finite element for analysis of rotors”, Procedia Engineering, 144, pp.374 – 381.
- Ganguly S., Neogy S. and Nandi A. (2016) “On lumping of Gyroscopic matrix in Finite element analysis of rotors”, Procedia Engineering, 144, pp. 398 – 405.

Basic Science & Humanities Department

- Frictionless contact of a rigid punch indenting a transversely isotropic elastic layer, Rajesh Patra, S.P.Barik, P.K.Chaudhuri, International Journal of Advances in Applied Mathematics and Mechanics, Volume 3, Issue 3 (2016)
- Characterization of Nanocomposites of WO₃-SnO₂ and its Application as a Moisture Sensors, Akash Roy, N.K. Pandey, Vandna Sakya, Suneet Misra, Sanchita Singh, Anoop Kumar and Alok Kumar, Adv. Sci. Lett., Vol. 22, No. 1, pp. 188-192, Jan 2016.

Other Areas

- Mondal, Nakul and Jana, Pijush Kanti (2016). Emergence of E-resource Collection and their Services in Private Engineering College Libraries of West Bengal: Analytical Study: International Journal of Library & Information Science, 2, 1-7, ISSN: 2455-5223.

❖ National Journal

Civil Engineering Department

- Panchugopal Bhattacharya and Arpita Das “A Comparative Study of anchorage zone stresses and experimental analysis for determination of Optimum length of anchor block in post-tensioned pre-stressed concrete beams”, The Indian Concrete Journal (ICJ), April 2016, Volume 90, Number 4.

Basic Science & Humanities Department

- N Tarafder, “Consumer Behavior in Fashion – II”, Man-Made Textiles in India, Vol. XLIII, No. 11, November 2015, p442-426.

Other Areas

- Mondal, Nakul and Jana, Pijush Kanti (2016). Collection, Organization and Proper Dissemination of E-resources and services: Role of Librarian. Journal of Advancements in Library Science, 3(1), 1-5, ISSN: 2349-4352.

Publications in Conferences

❖ International Conference

Civil Engineering Department

- S.K. Dalui, R. Paul “The Effects of Position of Limbs on a Rectangular Plan Shaped Tall Building under Wind”, Abstract selected for publication in the proceedings of “The 2016 World Congress on Advances of Civil, Environmental and Materials Research”, ICC Jeju, Jeju Island, Korea, to be held on August 28 to September 1, 2016.

Mechanical Engineering Department

- Debnath A. K., Mridha S., Ganguly S., Nandi A. and Neogy S. (2015) “Extracting the parameters of a viscoelastic material model and using it in finite element rotor analysis”, 12th International Conference on Vibration Problems (ICOVP 2015), IIT, Guwahati, India (14th – 17th December).

❖ National Conference

Mechanical Engineering Department

- Ganguly S., Nandi A. and Neogy S. (2016) “A state space viscoelastic Timoshenko shaft finite element for analysis of rotors”, 4th National Symposium on Rotor Dynamics (NSRD 2016), NIT, Rourkela, India (7th – 9th January).

Basic Science & Humanities Department

- Subham Ganguly presented a paper entitled “Threats to Ethnic Identity in the Era of Globalization” at a ICSSR funded National Seminar at University of Burdwan on 17-18 March, 2016.
- Subham Ganguly presented a paper entitled “Indian English Fiction in the era of Globalization: An Overview” at a UGC sponsored National Seminar at Hooghly Mohsin College on 8-9 January, 2016.

Photo Gallery



Anti-Ragging Sensitization Programme 2016





Annual Sports Meet 2016



3-Day Entrepreneurship Awareness Camp 2016





TechHETC 2K16





Utkarsha 2016



IE(I) Annual Paper Meet and Technical Quiz Competitions 2016