HETC Chronicle

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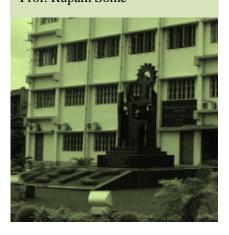Prof. Sannistha Banerjee
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Campus News

The Annual Sports Meet was held on 18th February 2017 at the college ground.

The 4th 3-Day Entrepreneurship Awareness Camp was organized by the ED Cell of HETC in collaboration with EDI, Kolkata during 1st - 3rd March 2017 where eminent personalities from DST, MSME, Banking sector and District Industrial Center were invited to speak.

The Annual Cricket Tournament was held at the college ground during March 2017.

Photowalk – a photography contest, was organized by the Magazine Committee, on 25th February 2017.

The Annual College Festival "Utkarsha 2017" was held at the Aquamarina, near Hooghly Railway Station, Hooghly on 10th March 2017.

The third Annual Technical Festival "TECHetc 2k17" was held at the college campus on 24th and 25th March 2017.

A blood donation camp, organized jointly by HETC and Project Life Force, was held in the college campus on 5th May 2017. A total of 100 students and college staff members donated blood.

Prof. (Dr.) Saikat Maitra, Vice-Chancellor of Maulana Abul Kalam Azad University of Technology, West Bengal, visited the college and addressed the students, faculty members and technical staff members, sharing his experience on the contemporary teaching-learning process in engineering institutions in West Bengal, on 18th May 2017.

A Farewell was given to the final year students of all departments of the 2013-2017 batches on 20th May 2017. The programme was held at the college auditorium. The final year students share their memories and the junior students organized various cultural performances.

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.

Electronics & Communication Engineering Department

- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-Bombay under NMEICT, MHRD, Govt. of India on C and C++was organized for all the students of ECE 3rd year under the supervision of Prof. Subhojit Malik on 1st March 2017.

- A workshop on "Artificial Neural Network using SCILAB" was organized for 3rd year students of the department from 4th April 2017 to 6th April 2017. The coordinators of the workshop were Prof. Manish Kumar Singh and Prof. Subhojit Malik.

- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-Bombay under NMEICT, MHRD, Govt. of India on Firefox was organized for all the students of E.C.E. 1st year under the supervision of Prof. Madhumita Datta on 9th March 2017.

- 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 ECE 4th year under the supervision of Prof. Subhajit Roy on 9th March 2017.

- A Free and Open Source Software (FOSS) Training (Through Spoken Tutorial) in collaboration with IIT-Bombay under NMEICT, MHRD, Govt. of India on C and C++ was organized for all the students of ECE 2nd year under the supervision of Prof. Deb Kumar Sheet on 14th March 2017.

- 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 ECE 3rd year under the supervision of Prof. Subhojit Malik on 14th March 2017.

- 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 ECE 3rd year under the supervision of Prof. Subhojit Malik on 14th March 2017.

- A workshop on "Autonomous Robotics and Embedded Systems" was organized by ECE department in association with TEKNIK from 14th March 2017 to 18th March 2017 for 1st and 2nd year students of ECE, ME, CSE and EE. Prof. Jagadish Bhattacharya and Prof. Swarup Samanta acted as coordinators of the workshop.

- The ECE department organized a 1-Day workshop for the students on "Python Programming" on 27th April 2017 in association with Ardent Computech Pvt. Ltd.

- The ECE department organized a 1-Day workshop for the students on "Signal Processing with Verilog and FPGA" on 13th May 2017 and the coordinators of the workshop were Prof. Writi Mitra, Prof. Subhojit Malik and Mrs. Bidisha Sengupta.

- The department of ECE published its newsletter (ECE CHRONICLE) in June 2017.

Seminars organized

Civil Engineering Department

- Prof. Jayanta Bandyopadhyay delivered a lecture on "Turbines" on 3rd May 2017.

- Prof. Debashish Bhattacharya delivered a lecture on "Alarming issues on Global Environment" on 24th May 2017.

Electrical Engineering Department

- Mrs Priyanka Ghosh, Technical Assistant, delivered a lecture on "Testing of Transformer Oil" on 19th May 2017.

- Mrs. Debolina Pradhan, Assistant Professor, delivered a lecture on "OPAL-RT a real time simulator and its application" on 17th June 2017.

- Mr. Debasish Bose, Senior Technical Assistant, delivered a lecture on "Roof Top Solar Photovoltaic System" on 17th June 2017.

Electronics & Communication Engineering Department

- Prof. Biswajit Basak delivered a lecture on the topic of "Multi-Rate filter and its applications" on 14th March 2017.

- Prof. Deb Kumar Sheet delivered a lecture on the topic of "Crossbar Electromechanical Switching" on 2nd May 2017.

Mechanical Engineering Department

- Prof. Shamik Ghosh, Assistant Professor of Mechanical Engineering Department, delivered a lecture on "Introduction to Friction Stir welding" on 29th April 2017

- Prof. Rajib Mandal, Assistant Professor of Mechanical Engineering Department, delivered a lecture on "Transistor" on 4th May 2017.

Basic Science & Humanities Department

- Prof. Rajesh Patra delivered a lecture on the topic "Day from Date" on 30th March 2017.

Students' Achievements

- Himadri Sekhar Bhowmik of CE (Batch - 2010-2014) cleared GATE Exam 2017 and his All India Rank is 1354.

- The following students from the Civil Engineering Department cleared GATE Exam-2017:

Name	All India Rank	Gate Score
Priyadip Manna	6464	499
Dhananjay kumar	6870	489
Aishwarya Mukhopadhyay	7250	482
Arghya Das	7408	478
Gourab Biswas	8453	458

- Prosun Mandal and Abirbaran Pal, 3rd year CE, stood 1st in the event "Treasure Hunt" in TECHetc 2k17.

- Abhishek Chowdhury and Aishwarya Nandi, 3rd year CE, stood 2nd in the event "Treasure Hunt" in TECHetc 2k17.

- Ishika Dutta and Jit Saha Chowdhury, 3rd year CE, stood 3rd in the event "Treasure Hunt" in TECHetc 2k17.

- Abhranil Das, Aishwarya Nandi and Kamalika Chakraborty, 3rd year CE, stood 2nd in the event "Hunt For Fun" in TECHetc 2k17.

- Sayandu Roy Chowdhury, Debanik Ghosh, Tiyasa Roy, 1st year CE, stood 3rd in the event "Hunt For Fun" in TECHetc 2k17.

- Samrat Saha and Ritwik Guin, 2nd year CE, took 1st and 2nd position respectively in the event "Technical Crossword" in TECHetc 2k17.

- Sayani Bhowmick and Debanik Ghosh , 1st year CE, stood 1st in the event "Quizzard" in TECHetc 2k17.

- Shuddhasattwa Pal, 4th year CE, stood 1st in the event Short Story Competition organized by our college magazine ETHNIC.

- Abhranil Das, 3rd year CE, stood 2nd in the event Short Story Competition organized by our college magazine ETHNIC.

- Indrajit Mal, 3rd year CE, stood 3rd in the event Short Story Competition organized by our college magazine ETHNIC.

- Nandan Ray, 3rd year CE, stood 1st in the event "Photowalk" organized by our college magazine ETHNIC.

- Samrat Mitra, 1st year CE, stood 2nd in the event "Photowalk" organized by our college magazine ETHNIC.

- Anindya Hazra, 2nd year CE, and Izaz Hossain, 1st year CE, stood 3rd in the event "Photowalk" organized by our college magazine ETHNIC.

- Srijita Saha Roy, student of 4th year ECE, qualified in GATE 2017 with GATE Score 463, Marks 34.04 and All India Rank 7562.

- Shamshad Alam, student of 4th year ECE, qualified in GATE 2017 with GATE Score 379, Marks 27.35 and All India Rank 13,013.

- All the students of 3rd year of the ECE received Certificate for Completion of C Training for securing more than 50% marks in the online test conducted by IIT-Bombay under NMEICT, MHRD, Govt. of India on 18th April 2017.

- Nadim Mallick, student from 1st year ECE stood 3rd in the event High Jump at Annual Sports Meet – 2017.

- Shreya Chatterjee and Amrita Ghosh, students from 3rd year ECE, respectively stood 1st and 2nd in the event Musical Chair at Annual Sports Meet – 2017.

- Neha Singh, student from 2nd year ECE, stood 1st in the event Balance Race and stood 3rd in the event 100 m Run at Annual Sports Meet – 2017.

- Prantik Biswas and Subhojit Bose, students from 4th year ECE, stood 1st in the event Robotech (Line Follower & Edge-O-Voider) of TECHetc 2k17.

- Pallab Panja and Sudeep Banik, students from 3rd year ECE, stood 1st and 2nd respectively in the event "Technical Crossword" of TECHetc 2k17.
- Neha Singh , Manish Pandit and Vivek Shaw, students from 2nd year ECE, stood 1st in the event "Hunt For Fun" of TECHetc 2k17.
- Debadrita Dey, student from 3rd year ECE, stood 2nd in the event "Bridge the Gap" of TECHetc 2k17.
- Subhankar Mandal, student from 1st year ECE, and Bitan Mondal, student from 3rd year ECE, stood 1st in the event "Instant Circuit Making" of TECHetc 2k17.
- Amrita Ghosh, student from 3rd year ECE, stood 2nd in the event "Instant Circuit Making" of TECHetc 2k17.
- Vivek Shaw and Manish Pandit, students from 2nd year ECE, stood 1st in the event "CircuiTech" of TECHetc 2k17.
- Rahul Singha Roy and Suvankar Mandal, students from 1st year ECE, stood 2nd in the event "CircuiTech" of TECHetc 2k17.
- Mainak Das and Rohan Choudhury, students from 1st year ECE, stood 3rd in the event "CircuiTech" of TECHetc 2k17.
- Arnab Ghosh, Sudeep Banik and Bitan Mondal, students from 3rd year ECE, stood 3rd in the event "Model Display" of TECHetc 2k17
- Pallab Panja and Sukanta Saha, students from 3rd year ECE, stood 1st in the event "µMAT" of TECHetc 2k17.
- Payel Ghosh and Sudeep Banik, students from 3rd year ECE, stood 2nd in the event "µMAT" of TECHetc 2k17.
- Arnab Ghosh and Debadrita Dey, students from 3rd year ECE, stood 3rd in the event "µMAT" of TECHetc 2k17.
- Urbesh Sarkar, Trisita Roy and Saikat Gope qualified in GATE Examination 2017.
- Sourav Mandal & Anish Dasmahapatra, 2nd year ME, have secured 3rd position in "Quizzard" event of TECHetc 2k17.
- Rishav Kr. Sharma, 3rd year ME, has secured 2nd position in "Technical Crossword" event of TECHetc 2k17.
- Ritesh, 2nd year ME, has secured 3rd position in "NFS Most Wanted" event of TECHetc 2k17.
- Debarpan Bagchi, 4th year ME, has secured 2nd position in "Sudoku" event of TECHetc 2k17.
- Jayanta Kr. Roy & Piyush Kanti Jana of 3rd year ME have secured 1st position in "CAD Mania" event of TECHetc 2k17.
- Debarpan Bagchi & Amritendu Bag of 4th year ME have secured 2nd position in "CAD Mania" event of TECHetc 2k17.

Students' Participations

- Abhishek Kumar, Amit Baran Pati, Anand Singh and Arunashish Roy, 4th year EE students, presented a paper/model titled "Study on Utilization of PV Electric Power in a Cost Effective Way" by simulation approach in the 8th "All India Inter Engineering College Academic Meet 2017 & Innovative Model Competition" organized by "Forum of Scientist, Engineers and Technologists" (FOSET) on 19th March 2017 under the guidance of Prof. Sandip Das.

Publications of Students

- Riya Porel, Sharanya Mazumdar, Trishita Mukherjee and Varun Kumar Sah of ECE published the paper "Identification of Foot Print for Crime Scene Analysis", in "International Journal of Recent Scientific Research", Vol. 8, Issue, 3, pp. 16117-16121, March 2017, DOI: http://dx.doi.org/10.24327/ijrsr.2017.0803.0078.

- Anindita Sinha, Mainak Nath, Nisha Sarkar and Sumit Bajaj of ECE published the paper "Face Authentication Based on Surf Features", in "Journal of Environmental Science, Computer Science and Engineering & Technology" (JECET), e-ISSN: 2278-179X, Sec. A, Volume 5, No. 2, March 2016-May 2016, PP: 33-46.

- Arnab Ghosh and Sudeep Banik of ECE published Student Technical Article on "Novel Approach to Implement Ferry Security using Arduino" at PRAYAS-2017, Student Technical Article Competition, organized in MCKV Institute of Engineering and sponsored by IET, SSCS and Electron Devices Society on 18th February 2017.

- Saswata Samanta, Sunnie George Baroi, Sourodip Banerjee and Rohitashya Banerjee of 4th year EE ,published a paper entitled "Study of Single Pulse Width Modulated Inverter and Sinusoidal Pulse Width Modulated Inverter using Low Pass Filter and Comparison of the Respective Total Harmonic Distortion of Output Voltage using FFT Technique" under guidance of Prof. Shilpi Saha, Assistant professor, EE department. The paper was published online in "The Board of International Journal of Latest Technology In Engineering, Management & Applied Science" on 4th issue of 6th volume on April 2017.ISSN:2278-2540.

Faculty Participation

- Prof. Tonumoy Ghosh successfully completed a one week training program on "Analysis & Design of Flexible Pavements" in NITTTR, Kolkata from, 16th January to 20th January 2017.

- Prof. Jayanta Banerjee and Prof. Piyali Das successfully completed a one week training program on "Testing of Cement, aggregates and Concrete (Inclusive of Demonstration of NDT)- Module II" in NITTTR, Kolkata from 24th April to 28th April 2017.

- Prof. Shyamal Pal and Prof. Sirshendu Hore represented the College in the grand finale of "Smart India Hackathon 2017", the biggest Hackathon of the world, as mentors along with six CSE 3rd year students, during 1st to 2nd April 2017 at Ramdeobaba College, Nagpur.

- Prof. Sirshendu Hore represented the College in the "Learn from Campus" program held on 27th & 28th March 2017. The program was organized by IT giants TechMahindra. It was held at DLF IT Park, Rajarhat, Kolkata.

- Prof. Swagata Mallik, Prof. Jagadish Bhattacharya, Prof. Swarup Samanta, Prof. Subhojit Malik, Prof. Writi Mitra and Prof. Manish Kumar Singh of ECE Department successfully completed Short Term Training Programme on "SCILAB and Gnuplot for Engineering and Researcher" at NITTTR, Saltlake, Kolkata from 12th December, 2016 to 16th December, 2016.

- Prof. Subhajit Roy of ECE Department successfully completed one day Teacher Training Workshop on "E-Learning: Challenges and Opportunities" at JIS College of University, Kalyani on 28th April 2017.

- Professor Avijit Maity, HOD, Electrical engineering department, participated in "Solar PV Installer" training programme for Skill Development organized by National Skill Development Corporation (NSDC) from 22nd May 2017 to 31st May 2017 at SLIEM, Salt Lake.

- Mr. Debasish Bose and Mr. Ranjit Majhi, Senior Technical Assistant, Electrical Engineering department, have participated in the "Renewable Energy Training Program" from 30th January, 2016 to 25th February 2017 at factory premises of Geetanjali Solar Enterprise, Kolkata.

- Mr. Anikendu Maitra, Assistant Professor, EE department, has successfully completed a two week Faculty Development Programme at EDI, Kolkata, which was organized by Enterprise Development Institute (EDI), Kolkata and sponsored by the National Science & Technology Entrepreneurship Development Board and Department of Science and Technology, Govt. of India, from 9th January 2017 to 20th January 2017.

- Dr. Supriyo Roy and Prof. Sandip Basu of Department of Mechanical Engineering have successfully completed a Two weeks short term training programme on "Theory and Practice on Mechanical Testing of Metals" during 9th January to 20th January 2017 at NITTTR, Kolkata.

- Prof. Abhijit Dutta attended a One Day National Workshop on 'Turbo-machines' on 30th March 2017 sponsored by TEQIP-II, organized by Department of Mechanical Engineering, Jadavpur University.

Faculty Achivements

- Prof. Tanumoy Ghosh submitted Second Progress Report of PhD Thesis work on 19th May 2017 At IIEST Shibpur.

- Prof. Rajesh Patra became a Life-Member at Ramanujan Society of Mathematics and Mathematical Sciences.

- Dr. Akash Roy acted as Technical Committee Member of "European Conference on Materials, Mechatronics and Manufacturing" (ECMMM 2017) held in Paris, France during February 15-17 2017.

- Dr. Akash Roy acted as Technical Program Committee Member of "2017 International Conference on Energy, Power and Environmental Engineering" (ICEPEE 2017) held in Shanghai, China on 23-24 April 2017.

- Prof. Smitadhi Ganguly has obtained PhD in Engineering from Jadavpur University, Kolkata.

- Prof. Abhijit Dutta of Department of Mechanical Engineering has registered his name for PhD in Engineering in Jadavpur University, Kolkata.

Publications of Faculty Members

Publications in Journals

❖ International Journal

Electronics & Communication Engineering Department

- Prof. (Dr.) S. K. Bandyopadhyay and Prof. Subhojit Malik published the paper "Identification of Foot Print for Crime Scene Analysis", in "International Journal of Recent Scientific Research", Vol. 8, Issue, 3, pp. 16117-16121, March 2017, DOI: http://dx.doi.org/10.24327/ijrsr.2017.0803.0078.

Basic Science & Humanities Department

- "Electrical and optical properties of ZnO–WO3 nanocomposite and its application as a solid-state humidity sensor", Vandana Shakya, N K Pandey, Suneet Kumar Misra and Akash Roy, Bull. Mater. Sci., Vol. 40, No. 2, April 2017, pp. 253–262.

❖ National Journal

Electronics & Communication Engineering Department

- Prof. (Dr.) S. K. Bandyopadhyay published the paper "Face Authentication Based on Surf Features", in "Journal of Environmental Science, Computer Science and Engineering & Technology"(JECET), e-ISSN: 2278-179X, Sec. A, Volume 5, No. 2, March 2016-May 2016, PP: 33-46.

Publications in Conferences

❖ International Conference

Computer Science & Engineering Department

- "Energy Aware Cluster Head Load Balancing Scheme for Heterogeneous Wireless Ad Hoc Network"-Rupam Some, Tuhina Samanta, Indrajit Banerjee. Published in the ICDCN '17: Proceedings of the 18th International Conference on Distributed Computing and Networking, Hydrabad, India. Published in ACM DL Digital Library, 4th January 2017.

Basic Science & Humanities Department

- Prof. Rajesh Patra presented a paper entitled "Penny Shaped Crack in an Infinite Transversely Isotropic Piezoelectric Layer under Symmetric Applied Line load" at National Seminar on Recent Advances in Mathematics and its Applications(RAMA-2017) organized by the Department of Pure Mathematics, University of Calcutta held on March 1-2 2017.

❖ National Conference

Other Areas

- Nakul Mondal and Subhendu Kar (2017), Growth and Development of Higher and Technical Education in India with Special Emphasis in Private Sector participation". National Seminar on Bonding of People's knowledge and People's University Pre-requisite of Knowledge Economy Department of Library & Information Science, Vidyasagar University, 23rd -24th March 2017.

- Nakul Mondal (2017), "Government Initiatives Towards Entrepreneurship Programs in India". National Seminar on Bonding of People's knowledge and People's University Pre-requisite of Knowledge Economy. Department of Library & Information Science, Vidyasagar University, 23rd -24th March 2017.

- Subhendu Kar and Nakul Mondal (2017), "Continuing Education through E-Learning: A pathway towards knowledge Society" National Seminar on Bonding of People's knowledge and People's University Pre-requisite of Knowledge Economy. Department of Library & Information Science, Vidyasagar University, 23rd -24th March 2017.

Photo Gallery

Annual Sports Meet 2017

3-Day Entrepreneurship Awareness Camp 2017

Utkarsha 2017

Annual Cricket Tournament 2017

TECHetc 2k17

Blood Donation Camp 2017

Visit of VC, MAKAUT WB

Farewell of final year students 2017

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