

HETC Chronicle

Hooghly Engineering & Technology College

Issue: June 2019

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

e-Newsletter Committee

Chairman:

Prof. Dr. Sumanta Bhattacharyya

Convener:

Prof. Dr. Smitadhi Ganguly

Core Committee Members:

Prof. Arpita Chattopadhyay

Prof. Sandeep Bhowmik

Prof. Jagadish Bhattacharyya

Prof. Arup Maiti

Prof. Subham Ganguly

Prof. Sandip Das

Working Committee Members:

Prof. Shyamal Pal

Prof. Swarup Samanta

Prof. Sannistha Banerjee

Prof. Tamoghna Datta

Prof. Sandip Basu

Prof. Arpita Das

Web Designing Team:

Prof. Shyamal Pal

Prof. Rupam Some



Campus News

The Annual Football Tournament was held during 9th October, 2018 to 18th January, 2019 at the college ground.



The Annual Sports Meet was held on 24th and 25th January, 2019 at the college ground.



Intra-College Badminton (Girls Doubles) Competition was held during 29th January to 2nd February, 2019 at the college ground.



The Annual College Festival "Utkarsha 2k19" was held at Aquamarina, Hooghly on 22nd January, 2019.



The Annual Alumni Meet "Remembrance" was held on 27th January, 2019 at the college auditorium.



The third edition of "Photowalk", the photography contest, was organized by the Magazine Committee on 7th February, 2019.

Principal's Column



The Half-yearly e-newsletter of Hooghly Engineering & Technology College, HETC

Chronicle had been an attractive and at the same time, an informative publication of the college in the previous years. The e-newsletter for June 2019 is about to be published maintaining the tradition of the college and covering wide events and contributions of this college like academic, social, students' extra-curricular and sports & Games activities. As this college has continuously been focusing to achieve newer heights of excellence in academics along with other co-curricular areas with the whole-hearted involvement of teaching and non-teaching members and students, publication of this newsletter adds a new feather to its endeavor.

In the present semester, besides the usual and attractive events like Cultural Fest, Tech Fest, Annual Sports etc., the Alumni Meet of the college gained a fresh flavor with its conduction, after a lapse of few years, with reasonable and enthusiastic participation of ex-students during the whole productive day.

On the occasion of releasing the newsletter for the period from January to June 2019, 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 better work in the future.

Prof. Dr. Sumanta Bhattacharyya
Principal, HETC

Campus News

A Panel Discussion was organized by the Magazine Committee on 20th February, 2019.



International Women's Day was celebrated on 8th March, 2019.

Felicitation of NPTEL Toppers for the session July – October 2018 was held on 16th March, 2019.



Intra-College Cricket Tournament 2019 was held during 13th February to 19th March, 2019.

The fifth Annual Technical Festival "TECHETC 2K19" was held at the college campus on 22nd and 23rd March, 2019.



A Seminar on "Artificial Intelligence" was organized by HETC Student Chapter of IE (I) on 28th March, 2019.

The 7th batch of "Suryamitra Skill Development Program" was inaugurated on 14th May, 2019.



A seminar was organized by INTERNSHALA on 13th April, 2019.

Activities related to MOOCs

Spoken Tutorial

The following Free and Open Source Software (FOSS) Training programmes (through Spoken Tutorial) were organized in collaboration with IIT-BOMBAY under NMEICT, MHRD, Govt. of India:

Name of the Course	Department & year	Faculty Coordinator
Latex	CE 4 th Year	Shibashis Deb, Asst. Professor Tanumoy Ghosh, Asst. Professor
Introduction to Computers	CE 3 rd Year	Arpita Chattopadhyay, Asst. Professor Arpita Das, Asst. Professor
Introduction to Computers	CE 2 nd Year	Rajdip Paul, Asst. Professor Piyali Das, Asst. Professor
Java	CSE 3 rd Year	Sirshendu Hore, Asst. Professor
Scilab	CSE 2 nd year	Sanghamitra Das, Asst. Professor
Python	ECE 3 rd year	Subhojit Malik, Asst. Professor
Python	ECE 2 nd year	Swarup Samanta, Asst. Professor
Python	ME 4 th Year	Sandip Basu, Asst. Professor
Python	ME 3 rd Year	Shamik Ghosh, Asst. Professor
Qcad	ME 2 nd Year	Rajib Kumar Mandal, Asst. Professor

SWAYAM-NPTEL

HETC has been designated as a Local Chapter of SWAYAM-NPTEL. The following courses have been offered in this semester through the SWAYAM-NPTEL platform:

Name of the Course	Name of the Mentors
Ethics in Engineering Practice (CE, ME, EE)	Asst. Professors Biswajit Basak and Deb Kumar Sheet
Joy of Learning using Python (CSE)	Sirshendu Hore, Asst. Professor
Soil Mechanics I (CE)	Asst. Professors Shibashis Deb, Tanumoy Ghosh, Arpita Chattopadhyay, Arpita Das, Rajdip Paul and Piyali Das
Object Oriented Programming (CSE)	Sandeep Bhowmik, Asst. Professor
DBMS (CSE)	Sirshendu Hore, Asst. Professor
Manufacturing Process Technology (ME)	Sandip Basu, Asst. Professor
Joining Technology for Metals (ME)	Rajib Kumar Mandal, Asst. Professor
IC Engines and Gas Turbines (ME)	Samir Ghosh, Asst. Professor

Departmental Academic Activities

Civil Engineering Department

- The Department of Civil Engineering and M/S GIDS Engineering Pvt. Ltd have mutually signed a Memorandum of Understanding for tenure of Five Years.
- The Department of Civil Engineering vetted the Design of Guard Pond & Stabilization of Peat Soil Column Technique and Settlement of the Group Columns for the project of 300 m³/day Leachate Treatment Plant at Dhapa, Municipal Dump Site, Kolkata.
- The Department of Civil Engineering carried out Testing of Concrete Cubes of various grades for M/S Cosmic, Goghat Gram Panchayet Karyalaya.
- The Department of Civil Engineering organized a 2-day educational tour at Maithon and Panchet dam on 21st and 22nd April, 2019.

Electrical Engineering Department

- A two days industrial visit to “Bandel Thermal Power Station, West Bengal Power Development Corporation Ltd., Tribeni, Hooghly” was organized on 6th and 7th March, 2019.

Seminars organized

Civil Engineering Department

- Mr. Shibashis Deb, Asst. Professor of CE Department, delivered a lecture on “A Brief Overview on Applications of Total Station” on 6th April, 2019.

Basic Science & Humanities Department

- Dr. Akash Roy, Asst. Professor of BSH Department, delivered a lecture on “Piezoelectricity and its Application” on 30th May, 2019.

Students' Achievements

- Avijit Mohanta, Arnab Kundu, Srija Mukherjee, Soham Bhattachariya and Samrat Saha, 4th year CE Department students, qualified in the GATE 2019.
- The following students from the EE Department cleared GATE 2019:

Name	Marks out of 100	GATE Score	All India Rank
Vishal Singh	62.00	587	5172
Md. Prince	37.67	330	19313

- Rajib Kumar Ram and Deepak Kumar Shaw of 4th Year ME Department has successfully qualified in GATE 2019.
- Barsan Pal, 1st year CE Department, stood 1st in the event “PUBG – MOBILE” in TECHETC 2K19.
- Koushik Das, Subhra Kanti Mandal, Abhishek Ghosh, Tarkeshwar Kr. Yadav, 2nd year CE Department, stood 1st in the event “Bridge The Gap” in TECHETC 2K19.
- Arijit Koner, Pravakar Pal, Arnab Kundu, 4th year CE Department, stood 2nd in the event “Bridge The Gap” in TECHETC 2K19.
- Koushik Das, Amrita Das, Indranil Shee, 2nd year CE Department, stood 1st in the event “Hunt For Fun” in TECHETC 2K19.
- Avijit Mohanta, 4th year CE Department, stood 2nd in the event “Mathmania” in TECHETC 2K19.

- Sayandu Roychowdhury, 4th year CE Department, stood 2nd in the event “Painting” in TECHETC 2K19.
- Jyotirmoy Pal, 3rd year CE Department, participated in the 3rd Art Evolution 2019 (a group exhibition of Painting, Sculpture & Photography) exhibition at Indian Council for Cultural Relations, 9A, Ho Chi Minh Sarani, Kolkata, West Bengal 700071 from 29th March to 31st March, 2019.
- Jyotirmoy Pal, 3rd year CE Department, received ARTE CREATIVAS EXCELLENCE award in the 1st Spring of Colours, 2019 at the Birla Academy of Art and Culture on 10th February, 2019.
- Subham Koley and Supriyo Dalal of 4th year EE Department won the 1st prize in Model Display event, in TechHetc 2k19.
- Sayantan Chakraborty, Sourav Datta of 2nd year EE Department won the 2nd prize in ‘instant circuit’ event, in TechHetc 2k19.
- Pritam Chakraborty and Ranajoy Datta of 3rd year EE Department won the 3rd prize in Model Display event, in TechHetc 2k19.
- Tina Roy of 1st year EE Department won the 2nd prize in Potato Race in the Annual Sports Meet 2019.
- Milan Chandra Murmu of 1st year EE Department won the 2nd Prize and Tufan Maity of 3rd year EE Department won the 3rd prize in Shot Put for boys.
- Suman Jana, 1st year EE department won the 1st prize in ‘Photowalk’ organized by ‘ETHNIC’ 2019 issue.
- Bappa Guha, Suman Mandal and Mainak Das, 3rd year ECE Department, stood 1st in Circuit Design event of PRAGATI 2019, Tech Fest of MCKV Institute of Engineering, Liluah.
- Sayantan Bhaumik, Suvankar Mandal and Mainak Das, students of 3rd year ECE Department, stood 1st in Robo-Race event of PRAGATI 2019, Tech Fest of MCKV Institute of Engineering, Liluah.
- Bappa Guha, Suman Mandal, Sayantan Bhaumik, Subhrojyoti Sanbui, Suvankar Mandal, Supriti Roy, Tiyasa Bhakta, Rahul Singha Roy, Anirudha Roy, Mainak Das and Diptesh Das students of 3rd year ECE Department secured 1st position in College Division in the 14th Konnagar science fair: JUKTIMAN 2019.
- Aninda Hom Roy, Vivek Shaw, Avirup Nath and Sayan Das of 4th year ECE Department secured 1st position in Line Follower event of Technophila organized by Modern Institute of Engineering & Technology, Bandel.
- Aninda Hom Roy, Vivek Shaw, Avirup Nath and Sayan Das of ECE 4th year secured 1st position in Maze Solver event of Technophila organized by Modern Institute of Engineering & Technology, Bandel.
- Aninda Hom Roy, Vivek Shaw, Avirup Nath and Faharat Afzan of ECE 4th year secured 1st position in Circuit Design event of Technophila organized by Modern Institute of Engineering & Technology, Bandel.
- Subhrojyoti Sanbui and Mainak Das students of ECE 3rd year stood 2nd in Think Tech event organized by University of Engineering & Management (UEM), Kolkata.
- Subhrojyoti Sanbui and Mainak Das of ECE 3rd year stood 2nd in Brain Strom event Technophila organized by Modern Institute of Engineering & Technology, Bandel.
- Subhrojyoti Sanbui and Suvankar Mandal of ECE 3rd year secured 1st position in LED Blinking event organized by Modern Institute of Engineering & Technology, Bandel.
- Sayantan Bhaumik student of ECE 3rd year stood 1st in PUBG Mobile event organized by Supreme Knowledge Foundation Group of Institutions (SKFGI), Mankundu.
- Suvankar Mandal and Suman Mandal of ECE 3rd year got consolation prize in the event of Circuit Design organized by Supreme Knowledge Foundation Group of Institutions (SKFGI), Mankundu.
- Suvankar Mandal, Anirudha Roy, Diptesh Das and Sayantan Bhaumik, students of ECE 3rd year stood 2nd in Manual Robotics event of Saroj Mohan Institute of Technology (SMIT), Guptipara.
- Sayantan Bhaumik, Suvankar Mandal, Mainak Das and Anirudha Roy of ECE 3rd year secured 1st position in the Robozigger event of TECHETC 2K19.

- Subhrojyoti Sanbui, Rahul Singha Roy, Diptesh Das and Bappa Guha of ECE 3rd year secured 2nd position in the Robozigger event of TECHETC 2K19.
- Bappa Guha and Suman Mandal of ECE 3rd year secured 1st position in the event CircuiTech of TECHETC 2K19.
- Suvankar Mandal and Rahul Singha Roy of ECE 3rd year secured 2nd position in CircuiTech event of TECHETC 2K19.
- Debarchan Goswami and Joyeeta Deb of ECE 2nd year secured 3rd position in CircuiTech event of TECHETC 2K19.
- Bappa Guha and Suvankar Mandal of ECE 3rd year secured 1st position in the event Instant Circuit Making of TECHETC 2K19.
- Aninda Hom Roy, Vivek Shaw, Avirup Nath and Sayan Das of ECE 4th year secured 1st position in the event Robotech of TECHETC 2K19.
- Suvankar Mandal, Supriti Roy, Tiyasa Bhakta and Suman Mandal of ECE 3rd year secured 2nd position in the event Robotech of TECHETC 2K19.
- Aniket Das, Anjelina Paul, Swarnali Roy of ECE 4th year and Suchibrata Das of ECE 3rd year secured 3rd position in the event Robotech of TECHETC 2K19.
- Mainak Das student of ECE 3rd year secured 3rd position in Mathmania event TECHETC 2K19.
- Dhruvajyoti Biswas, student of ECE 2nd year, stood 1st in PUBG Mobile event of TECHETC 2K19.
- Sourav Kundu, Surjo Kumar Dutta, Saurav Nag and Satyabrata Roy of ECE 3rd year secured 2nd position in Model Display event of TECHETC 2K19.
- Ayan Bag, Brijesh Jha and Jyotishka Saha of ECE 1st year secured 3rd position in the Hunt-For-Fun event of TECHETC 2K19.
- Sayan Marik of ECE 1st year stood 1st in Need For Speed gaming event of TECHETC 2K19.
- Sayan Das of ECE 2nd year stood 3rd in Need For Speed gaming event of TECHETC 2K19.
- Nitesh Kumar Ram of ECE 2nd year stood 1st in the gaming event Instant Cricket of TECHETC 2K19.
- Rakhee Sharma and Twinkle Sharma of ECE 2nd year became Runners up in the Final of Badminton Tournament 2019.
- Aritry Samaddar of ECE 1st year stood 3rd in Potato Race, Annual Sports 2019.
- Mahadev Pandey of ECE 2nd year secured 3rd position in High Jump event of Annual Sports 2019.
- Soumik Mondal and Sourajyoti Panja student of ME 2nd year stood 2nd in PUBG Mobile event of TECHETC 2K19.
- Kuntal Biswas, Rik Chatterjee and Saptarshi Kundu of ME 3rd year stood 3rd in PUBG Mobile event of TECHETC 2K19.

Students' Participations

- Sourav Kundu and Satyabrata Roy, students of ECE 3rd year, participated in Students' Technical Article Competition: PRAYAS-2019 on 27th April 2019 organized by ECE Department, MCKV Institute of Engineering, Liluah and sponsored by IET (U.K) Kolkata Local Network under the supervision of Mr. Subhojit Malik, Asst. Professor of ECE Department. The title of the article was "Density based Traffic Light Timer Controller".
- Arka Chattopadhyay and Sumona Karmakar, students of ECE 2nd year, participated in Students' Technical Article Competition: PRAYAS-2019 on 27th April, 2019 organized by ECE Department, MCKV Institute of Engineering, Liluah and sponsored by IET (U.K) Kolkata Local Network under the supervision of Mr. Subhojit Malik, Asst.

Professor of ECE Department. The title of the article was “Analysis on Power Semiconductor Devices & Concept of Converters”.

- Debarchan Goswami, student of ECE 2nd year, participated in Students’ Technical Article Competition: PRAYAS-2019 on 27th April, 2019 organized by ECE Department, MCKV Institute of Engineering, Liluah and sponsored by IET (U.K) Kolkata Local Network under the supervision of Mr. Subhojit Malik, Asst. Professor of ECE Department. The title of the article was “Zero Power Wireless Sensor Network.

Faculty Participation

- Mr. Shibashis Deb and Mr. Tanumoy Ghosh, Asst. Professors of CE Department, successfully completed a Two week training program on “ Total Station Survey and Introduction to GPS” at NITTTR, Kolkata from 4th February to 15th February, 2019.
- Mr. Rajdip Paul, Asst. Professor of CE Department, participated in a seminar on “Transition to Low Carbon Cement-Based Construction in India” organized by Department of Materials Science & Technology, MAKAUT WB on 4th March, 2019 at MAKAUT WB campus.
- Mr. Shyamal Pal & Mr. Milan Kr. Dholey, Asst. Professors of CSE Department and Mr. Jagadish Bhattacharya & Mr. Biswajit Basak, Asst. Professors of ECE Department participated in a 3-day workshop on “Wireless Communication and Computing, IOT & Data Analytics” from 14th to 16th February, 2019 organized by CSE Dept, JU, Kolkata.
- Asst. Professors Mr. Shyamal Pal of CSE Department, Mr. Chandan Jana of EE Department, Mrs. Swagata Mallik & Mr. Subhojit Malik of ECE Department, Mrs. Piyali Das of CE Department and Mr. Pradip Ghosh of BSH Department participated in ICT Mode (Online) Short Term Training Programme on “Evaluating Students’ Performance and Designing Question Papers” from 25th February, 2019 to 1st March, 2019 organized by NITTTR, Kolkata.
- Mr. Sirshendu Hore successfully completed two weeks STTP/FDP course on "Soft computing" From NITTTR, Kolkata. The STTP program was held from 15th January to 25th January, 2019.
- Mrs. Madhumita Dutta and Mr. Deb Kumar Sheet, Asst. Professors from ECE Department, participated in a One day seminar on “Photonics as future of Technology” jointly organized by Photonics Chapter, IEEE and Supreme Knowledge Foundation Group of Institutions (SKFGI), Mankundu on 2nd February, 2019.
- Mrs. Writi Mitra and Mrs. Swagata Mallik, Asst. Professors of ECE Department, successfully completed AICTE approved one week Faculty Development Program (FDP) on “CMOS Digital VLSI Design” organized by National Program for Technology Enhanced Learning (NPTEL), a joint initiative from IITs and IISC.
- Mr. Subhajit Roy and Mrs. Madhumita Datta, Asst. Professors of ECE Department, successfully completed AICTE approved one week Faculty Development Program (FDP) on “Introduction to Coding Theory” organized by National Program for Technology Enhanced Learning (NPTEL), a joint initiative from IITs and IISC.
- Mr. Subhojit Malik, Asst. Professor of ECE Department, successfully completed AICTE approved one and half weeks Faculty Development Program (FDP) on “Introduction to Internet of Things” organized by National Program for Technology Enhanced Learning (NPTEL), a joint initiative from IITs and IISC.
- Dr. Abir Bandyopadhyay, Asst. Professor of BSH Department, acted as an Invited Speaker on Quantum Information at ISAR Kolkata.

Faculty Achievements

- Mr. Sirshendu Hore, Asst. Professor of CSE Department, received the Top Mentor Certificate from NPTEL for guiding 50 CSE student in the course "Developing Soft Skills and Personality".

- Mr. Sirshendu Hore, Asst. Professor of CSE Department, acted as Reviewer for International Journal of Ambient Computing and Intelligence (IJACI). The journal is indexed in Web of Science Emerging Sources Citation Index (ESCI), SCOPUS.
- Mr. Sirshendu Hore, Asst. Professor of CSE Department, acted as Reviewer in “Optonix”, 2nd International Conference organized jointly by IEM and UEM under the banner of Springer.
- Mr. Sirshendu Hore, Asst. Professor of CSE Department, acted as Reviewer in MDPI -Algorithm, an open-access scientific journal, based in Basel, Switzerland. MDPI Journal is indexed in Web of Science Emerging Sources Citation Index (ESCI), Scopus and Web of Science.
- Mrs. Writi Mitra, Asst. Professor of ECE Department, became All India Topper (TOP 1%) in the exam organized by NPTEL on “CMOS Digital VLSI Design”.
- Mr. Subhojit Malik, Asst. Professor of ECE Department, secured ELITE+GOLD position in the exam organized by NPTEL on “Introduction to Internet of Things”.
- Mr. Abhranil De, Asst. Professor of BSH Department, was awarded PhD degree in Chemistry in December, 2018 by NIT Durgapur.
- Dr. Akash Roy acted as Technical Committee Member of “2019 3rd European Conference on Materials Mechatronics and Manufacturing” held in Amsterdam, Netherlands during February 16-18, 2019.
- Mrs. Tamoghna Datta, Asst. Professor of BSH Department, was awarded certificate of appreciation by NPTEL for being a ‘Top Performing Mentor’ in the course ‘Developing Soft Skills and Personality’ held in the session July-October, 2018.
- Mr. Nakul Chandra Mandal, Librarian, was awarded PhD degree in Library & Information Science on 9th January, 2019 by the Vidyasagar University.

Publications of Faculty Members

Publications in Journals

❖ International Journal

Electrical Engineering Department

- Sandip Das, “Solar Insolation as a Function of Distributed Energy Generation in Microgrids at Indian Sub-Continent”, Int. J. Engineering and Technology, Vol. 6, issue. 4, pp.1750-1753, ISSN: 2395-072.

Obituary

Mr. Asim Dutta, a sportsman and a dedicated administrative staff of Hooghly Engineering and Technology College who served the college right from its inception, passed away suddenly and unexpectedly on 19th May, 2019 at the age of 44 after a brief illness. He will be genuinely missed by all of us for his devotion to work and boundless energy.

Grief stricken

All the employees and students of HETC

Photo Gallery



Football Tournament 2018-19



Utkarsha 2k19





Annual Sports Meet 2019



Remembrance 2019



Intra College Badminton (Girls Doubles) Competition 2019



Photowalk 2019



Panel Discussion 2019



Intra College Cricket Tournament 2019





TECHETC 2K19



Seminar on Artificial Intelligence



Inauguration of Suryamitra Skill Development Program – 7th Batch