

HETC Chronicle

Hooghly Engineering & Technology College

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Campus News

The 4th and 5th batches of “Suryamitra Skill Development Program” were inaugurated on 16th August and 4th October, 2018 respectively.



Students of all the departments jointly celebrated “Teachers’ Day” on 5th September, 2018 by felicitating the teachers and organizing cultural programmes.

The 1st batch of Suryamitra PV Installer Programme was inaugurated on 15th September, 2018.



The AGM of the HETC Student Chapter of IE(I) was held on 25th September, 2018 followed by presentations delivered by the students.

An Entrepreneurship Awareness Camp was organized by the ED Cell of HETC during 26th – 28th September, 2018 in association with EDI, Kolkata and NSTEDB, DST, GOI.



A Thalassemia Awareness and Detection Camp was organized in the college campus on 4th October, 2018.



Principal's Column



I feel immense pleasure to mention that the half-yearly *HETC Chronicle*

has been a very prominent and informative e-newsletter of Hooghly Engineering & Technology College encompassing information on varied areas of activities, which had been spread over different important 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 endeavour.

This issue of *HETC Chronicle* covers a new activity namely "Induction Programme" for the new entrants of this college this year as per the requirement and guideline by the affiliating University, Maulana Abul Kalam Azad University of Technology, Kalyani, Nadia, West Bengal.

On the occasion of releasing the newsletter for the period from July to December 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 better work in the future.

Prof. Dr. Sumanta Bhattacharyya
Principal, HETC

Induction Programme 2018 for Freshers

According to the new syllabus of MAKAUT WB, the mandatory 3-week Induction Programme was held for the 1st year students to acclimatize them to the environment of their engineering institution.

Week 1

The Orientation Programme for newly admitted 1st Year students was held on 1st August, 2018.



Mr. Chandan Clement Singh, a well-known Nature Activist, delivered a speech on 3rd August, 2018.



Respected Swami Tattswarananda, Principal, Ramkrishna Mission Sikshanamandira delivered a speech followed by a talk by Mr. Siddharth Mukherjee on 2nd August, 2018.



Distinguished alumni of HETC delivered motivational speeches on 4th August, 2018.

Week 2

Scheduled class lectures as per time table were conducted. Students were conducted through proficiency tests prepared by the respective faculty members for ascertaining their English skills, Basic Science knowledge & Computer knowledge.



Week 3

Scheduled class lectures as per time table were conducted. Students participated in activities like Yoga, Tree-plantations and Cleanliness Drives within the campus. They also took part in Games and Sports activities.



Activities related to MOOCs

Massive Open Online Courses (MOOCs) are free online courses available for anyone to enroll. MOOCs are a recent development in distance education. They provide an affordable and flexible way to learn new skills from the best institutes in the world, advance career and deliver quality educational experiences.

Spoken Tutorial, NPTEL and SWAYAM are different platforms that provide MOOCs in India.

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(s)
Introduction To Computer	CE 4 th year	Prof. Shibashis Deb & Prof. Tanumoy Ghosh
LATEX	CE 3 rd year	Prof. Arpita Chattopadhyay & Prof. Arpita Das
LATEX	CE 2 nd year	Prof. Rajdip Paul & Prof. Piyali Das
Java	CSE 4 th year	Prof. Sandeep Bhowmik
Programming in SCILAB	CSE 4 th year	Prof. Sanghamitra Das
Scilab	CSE 2 nd year	Prof. Dibyendu Samanta
C and C++	ECE 2 nd year	Prof. Swagata Mallik
C and C++	ECE 3 rd year	Prof. Madhumita Datta
Python	ECE 4 th year	Prof. Writi Mitra

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	Mentor(s)
Introduction to Programming in C	Prof. Shyamal Pal, Prof. Sanghamitra Das, Prof. Manab Kr. Saha, Prof. Mousumi Das
Developing Soft Skills and Personality	Prof. Tamoghna Datta, Prof. Subham Ganguly, Prof. Shirshendu Hore, Prof. Tanumoy Ghosh
Cloud Computing	Prof. Sandeep Bhowmik
Introduction to Machine Learning	Prof. Sanghamitra Das, Prof. Subhojit Malik
Matrix Method of Structural Analysis	Prof. Arpita Chattopadhyay, Prof. Rajdip Paul, Prof. Piyali Das

Departmental Academic Activities

Civil Engineering Department

- Department of Civil Engineering took up consultancy work on Testing of Concrete Cube Moulds and of various grades for Bansberia Highway Division – I & COSMIC.

Electronics & Communication Engineering Department

- A workshop on “IoT and Home Automation” under the guidance of HETCS in association with myWBUT was organized on 6th October, 2018 for students of the department.

Mechanical Engineering Department

- A career oriented seminar, conducted by CADD Centre, on “Emerging Trends in Mechanical Engineering” was organized on 14th September, 2018 at the college seminar room.
- A one day workshop on “Overview of Automobile Technologies” was organized in collaboration with Ardent Computech Pvt. Ltd. and Bhandari Automobiles Pvt. Ltd. on 29th September, 2018.

Seminars organized

Civil Engineering Department

- Mr. Subrata Kumar Mallick delivered a lecture on the topic of “Deeds and building plan” on 6th December, 2018.

Computer Science & Engineering Department

- Prof. Sandeep Bhowmik delivered a lecture on ‘Basic idea of Cloud Computing’ on 8th September, 2018.

Electronics & Communication Engineering Department

- Prof. Writi Mitra delivered a lecture on the topic of “Galois Arithmetic in Ternary logic design” on 24th August, 2018.
- Mrs. Bidisha Sengupta delivered a lecture on the topic of “Electromagnetic Radiation Effect” on 21st December, 2018.

Mechanical Engineering Department

- Prof. Sandip Basu delivered a lecture on the topic of “Electroless coating: New Era of Surface Coating” on 13th October, 2018.

Students’ Participation

- Jyotirmoy Pal, 3rd year CE, participated in the 5th ARTEX 2018 (a group Exhibition of Painting, Sculpture & Photography) exhibition at Indian Council for Cultural Relations, 9A, Ho Chi Minh Sarani, Kolkata, West Bengal- 700071 from 16th to 18th September, 2018.
- Jyotirmoy Pal, 3rd year CE, participated in Art Workshop at Indian Council for Cultural Relations (ICCR) Gallery, 9A, Ho Chi Minh Sarani, Kolkata, West Bengal- 700071 on 17th September, 2018.

Students’ Achievements

- Mrinal Kanti Fouzdar, 3rd year CE, enlisted his name as a member of International Association of Engineers (IAENG).

- Rohit Chatterjee, Arunangshu Ganguly and Sangram Bharat, 3rd year EE, presented a paper on “Weather monitoring” at SDM institute of Technology, Mangalore, India on 27th & 28th October, 2018; to be published in International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS).

Faculty Participation

- Prof. Tamoghna Datta, of BSH Department, participated in the three- day ‘International Conference on English Learning and Teaching Skills’ organized by the Department of Basic Science & Humanities, Institute of Engineering & Management, Kolkata from 26- 28 July, 2018.
- Dr. Aishwarya Mukherjee, of BSH Department, participated in the UGC-IQAC sponsored International Seminar on Biological Science in Human Warfare organized by Department of Botany, Rishi Bankim Chandra College, Naihati on 9th July, 2018.
- Mrs. Priyanka Ghosh, of EE Department, has successfully completed the short term training programme on ‘Measurement and Control for Industrial Automation’ organised by NITTTR, Kolkata, from 16- 20 July, 2018.
- Mrs. Soumi Dey, of EE Department, has participated in a 2 weeks STTP at NITTR, Kolkata on “Control system analysis and design using matlab14” from 4- 15 June, 2018.
- Prof. Debolina Pradhan, of EE Department, has participated in a 1 week QIP STC at IISc, Bangalore, India; on “Embedded System Design for Power Electronics Converters” from 6- 10 August, 2018.
- Prof. Shamik Ghosh attended a National Conference on Heat Transfer and Fluid Flow at Future Institute of Engineering and Management on 4th October, 2018.

Faculty Achievements

- The Editorial Board membership of Dr. Akash Roy in “American Journal of Nanosciences” has been renewed.
- Dr. Akash Roy acted as Technical Program Committee Member of “2nd International Conference on Functional Materials and Biomaterials” held in Saina, Hainan, China on 23-24 November, 2018.
- Prof. Tanumoy Ghosh was appointed as Paper-setter by JIS University, Kalyani, a Deemed University, for B. Tech. even semester exam 2017-2018.
- Prof. Tanumoy Ghosh was appointed as External Examiner for JIS University, Kalyani, a Deemed University, for B. Tech. even semester exam 2017-2018.
- Prof. Sandeep Bhowmik was appointed as Paper-setter by JIS University, Kalyani, a Deemed University, for B. Tech. Odd semester exam 2018-2019.
- 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 winter session, 2017-18.
- Prof. Sirshendu Hore acted as adviser to guide three students of 3rd year CSE in the ACM-ICPC 2019 (Inter Collegiate Programming Contest) prelims competition held on 26th October, 2018 at IIT-Kharagpur.
- Prof. Sirshendu Hore acted as Reviewer for International Journal of Ambient Computing and Intelligence (IJACI) indexed in Web of Science Emerging Sources Citation Index (ESCI), SCOPUS.
- Prof. Sirshendu Hore acted as Reviewer for International Journal for Light and Electron Optics (IJLEO), an International Journal of elsevier indexed in SCI.
- Prof. Sirshendu Hore acted as Reviewer for Engineering Science and Technology, an International Journal of elsevier indexed in Emerging Sources Citation Index (ESCI), SCOPUS.

- Prof. Sirshendu Hore was appointed as External Examiner for JIS University, Kalyani, a Deemed University, for B. Tech. even semester exam 2017-2018.
- Prof. Subhojit Malik was appointed as external examiner for “JIS College of Engineering – Autonomous Institute”, Kalyani, for their B.Tech. odd semester exam 2018.
- Prof. Swarup Samanta was appointed as Paper setter for two subjects for “MAKAUT”, Salt Lake, for their B.Tech. odd semester exam 2018.

Publications of Faculty Members

Publications in Journals

❖ International Journal

Basic Science & Humanities Department

- P. Debnath, “Almost pseudo product structure”, Differential Geometry - Dynamical Systems, Vol.20, 2018, pp. 26-37, ISSN 1454-511X.

Mechanical Engineering Department

- Jishu Das, Dibyendu Laya, Sandip Basu and Supriyo Roy.(2018) “Modelling and analysis of roughness characteristics of aluminium alloy under CNC face milling operation”, Int. J. Machining and Machinability of Materials, Vol. 20, issue. 4 pp.299-319, <https://doi.org/10.1504/IJMMM.2018.094729>.

Publications in Conferences

❖ National Conference

Civil Engineering Department

- Prof . Tanumoy Ghosh presented a paper titled “Capacity Estimation of Indian Multilane Highway by Calibrating Driver’s Behavior Parameters” at the conference RATE-2018, SVNIT, Surat, Gujrat, India.11-12 August, 2018.
- Arpita Das, Showmen Saha, and Dibyendu Bhowmik “Analytical evaluation of strength attributes for different nanocomposite cementitious materials” Abstract accepted in proceeding of national seminar on Structural Engineering Convention, SEC -2018, organised by Jadavpur University, 19 - 21 December, 2018.

Photo Gallery



Induction Programme for Freshers 2018



Inauguration of Suryamitra Skill Development Program



Teachers' Day Celebration 2018



Inauguration of Suryamitra PV Installer Programme



AGM of the HETC Student Chapter of IE(I) 2018



Entrepreneurship Awareness Camp of ED Cell 2018



Thalassemia Awareness and Detection Camp 2018

