

# HETC Chronicle

Hooghly Engineering & Technology College

Issue: December, 2022

The edition is available at [www.hetc.edu.in](http://www.hetc.edu.in)

## Principal's Column

It is heartening to know that the December 2022 issue of the bi-annual e-newsletter of the college "HETC Chronicle" is ready to be published now. After the ebbing of the COVID-19 pandemic, the e-newsletter is also returning to its normal publication schedule.

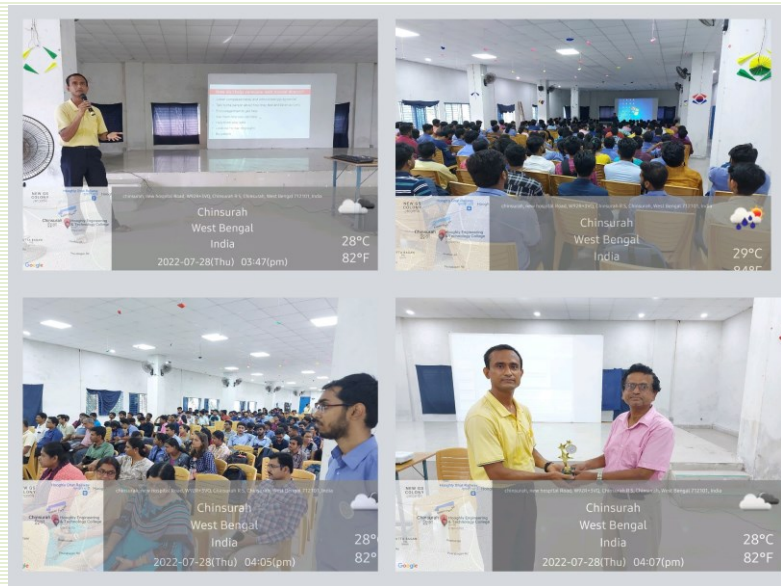
The Odd Semesters of the 2022–23 sessions have been an eventful period for the college. The Induction Program for the freshers was held in offline mode from 14<sup>th</sup> October – 3<sup>rd</sup> November 2022. All other activities and programs were also held in the old way to the relief of everyone. Direct contact and interaction between students and teachers have been fully established again.

But the pandemic introduced us to some new concepts and new ways which are here to stay. Some irrevocable changes have occurred in the teaching-learning process. Digital and blended learning, the use of virtual classrooms, and LMS are now essential requirements.

On the occasion of the online publication of the newsletter for the period from July to December 2022, brimming with exciting news encompassing all activities of the college, I applaud the effort of the entire team of "HETC Chronicle" for a timely and quality publication.

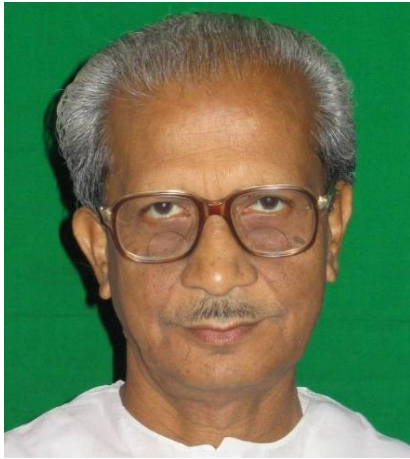
## Campus News

- The NSS Unit of HETC organized a **Mental Health Awareness Program** on July 28<sup>th</sup>, 2022 at College Auditorium. More than 200 students, faculty members, and staffs attend the program.



- On August 15<sup>th</sup>, 2022 NSS Unit of HETC organized a program to celebrate the **75<sup>th</sup> Independence Day** (Azadi Ki Amrit Mahotsav) with a flag hoisting session, tree plantation, procession, and a cultural program.





## Obituary

- We express our heartfelt condolences for the demise of the **Late Prof. Rupchand Pal**, one of the foremost founder members of HETCS, on **16.08.2022** at Kolkata. Late Prof. Pal was closely associated with HETCS since its inception and his vision had steered the college all through these years.

Grief-stricken

All the students and employees of HETC



## eNewsletter Committee

### Chairman:

Dr. Smitadhi Ganguly

### Convener:

Mr. Jagadish Bhattacharya.

Mr. Shyamal Pal.

Ms. Arpita Chattopadhyay.

Ms. Mousumi Das.

Mr. Sandip Basu.

Mr. Sandip Das.

Mr. Subham Ganguly.

Mr. Manish Kumar Singh.

Ms. Arpita Das.

Ms. Shilpi Saha.

Ms. Sudeshna Banerjee.



- “**Har Ghar Tiranga**” is a campaign under the aegis of Azadi Ka Amrit Mahotsav to encourage people to bring the Tiranga home and to hoist it to mark the 75th year of India’s independence. Students of our college participated in this event by taking pictures with national flag and uploading the picture using this link <https://harghartiranga.com/>
- The students of HETC organized a program on September 6th, 2022, on the occasion of **Teachers’ Day** to express their love and gratitude for their respected teachers and all associated with the teaching fraternity.



- The **Orientation program** was organized by the students of the 2<sup>nd</sup> year for the freshers of the 2022 batch on October 14th, 2022.



- The **Student Induction Program (SIP)** for the academic session 2022-23 was held from 14<sup>th</sup> October to 03<sup>rd</sup> November 2022. The motto of the *SIP* was to assist new students in adjusting to their new surroundings, instilling the institution's ethos and culture in them, assisting them in forming ties with other students, faculty, and staff members, and exposing them to a sense of broader purpose and self-exploration.
- In the SIP, lectures by Eminent People and Alumni in the industry were delivered on diversified topics. After the end of the SIP, Feedback on the program was taken based on the guidelines of AICTE. Receiving good ratings in most of the parameters indicate that the SIP was successfully conducted.



- A team of faculty members along with student implement The **Real-Time Flood water level monitoring system**. The team coordinated by Chandan Jana of EE, comprising faculties from each department- Rajib Kumar Mandal of ME, Shibasish Deb of CE, Subhojit Malik of ECE, Shyamal Pal of CSE - and a pass-out student- Ayan Bag of ECE initiated the work after the personnel from Hooghly district administration approached us. The process began in the month of June 2022, and ultimately, on 30th October 2022, the team fixed the device on a pillar of Ramakrishna Setu, Arambagh, Hooghly. This news came in the local Anandabazar Patrika.



- The NSS unit of HETC organized a **tree plantation program** on 2<sup>nd</sup> November 2023, on the college campus.



- HETC in its 18 years of excellence has the first-time organized schools connect program named “**School Carnival 2022**”. The colorful and memorable whole daylong event was held on 12th November 2022 at the HETC campus, Hooghly.



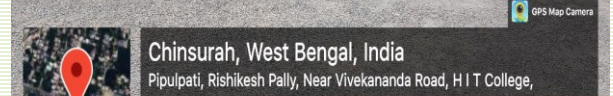
- A huge response was received from the participant’s corner of **Class 6 to Class 12**. Around **400 students** participated in our grand carnival events from Hooghly, Howrah, Burdwan, Kolkata, Bankura, North & South 24 Parganas districts.



- The program begins at 10:30 am with a lamp lighting ceremony and ends with a prize distribution ceremony at 6:30 pm. In the school carnival, 2022 **seven events** were organized which are Sit & Draw, Cricket, Quiz, Extempore, Chess, Fun Science, and Mathmania.



- The IQAC of HETC organized a one-week FDP program from 14<sup>th</sup> to 18<sup>th</sup> November 2022, in virtual mode on the topic “**Institutional Quality enhancement through NAAC.**” Total 55 faculty had participated in this program. The resource person for the FDP was Prof. (Dr.) Subhashree Mukherjee from Kamala Nehru Mahavidyalaya, Nagpur.



- The Internal Compliance Committee (ICC) of our institute organized a seminar on the topic “Implementation of the Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act, 2013 on 3rd December 2022. Approximately 62 teachers and staff attended the program.

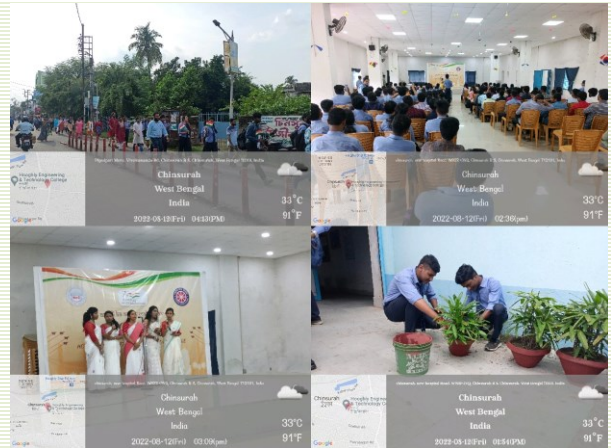


- Our college participated in the 14<sup>th</sup> Hooghly-Chinsurah Book Fair from 16<sup>th</sup> to 18<sup>th</sup> December 2022. Many students and guardians from far and nearby places participated in the Quiz conducted by our faculty and staff members.



- The NSS unit of HETC has organized more than ten events from July 2022 to December 2022. The events are the Mental Health Awareness College program, the 75th Independence Day celebration, the Wild-life awareness program, Session on Yoga and Meditation,

- NSS day celebration, Tree Plantation, AIDS Awareness poster design, Samvidhan Divas, etc.



- Students’ Cricket Tournament 2022 was organized from 20th to 21st December 2022. The winners are EE 3rd year and runners-up ME 4th year.



- Staffs’ Cricket Tournament 2022 was held on 22nd December 2022. The winners are the BSH dept. and runners-up are EE & CE departments combined.



## IIRS, ISRO

Mr. Subhojit Malik, Assistant Professor, ECE Department, acted as the Coordinator of **Hooghly Engineering & Technology College** for the following Outreach Programs conducted by the **Indian Institute of Remote Sensing (IIRS)**, **Indian Space Research Organization (ISRO)** and received an Appreciation Certificate as Coordinator from IIRS, ISRO:

Name of the Course	Department	Start date and End date	Faculty Coordinator(s)
Geospatial Applications for Forest Ecosystem Analysis	ECE, CSE, EE, ME, CE	June 20 to June 25, 2022	Mr. Subhojit Malik
Satellite Remote Sensing of the Atmosphere	ECE, CSE, CE, ME, EE	July 11 to July 15, 2022	Mr. Subhojit Malik
Remote Sensing & GIS Applications in Agriculture	ECE, CSE, EE, ME, CE	July 25 to July 29, 2022	Mr. Subhojit Malik
UAV Remote Sensing	ECE, CSE, CE, ME, EE	November 21, 2022	Mr. Subhojit Malik

### Hooghly Engineering & Technology College

#### NSS UNIT HETC: LIST OF PROGRAMS

Sl. No.	Name of activity	Date	No of Beneficiaries
1	Mental Health Awareness Program	28/07/2022	150
2	75th Independence Day celebration	15/08/2022	30
3	Introduction NSS for newcomers (1st year and Lateral entry)	20/10/2022	250
4	Wildlife awareness program	19/10/2022	142
5	Mental health issues and the present situation	21/10/2022	155
6	Session on Yoga and Meditation	29/10/2022	155
7	Session Self defence and physical education	20/10/2022	147
8	Clean campus drive	22/10/2022	36
9	Tree Plantation	02/11/2022	150
10	Seminar on Water conservation	03/11/2022	160
11	AIDS Awareness poster drawing	01/12/2022	21

## Departmental Academic Activities

### Civil Engineering Department,

- The Department of Civil Engineering tested Concrete Cubes of various grades for Roy and Sahani developers private limited, Boinchee, Pandua, Hooghly, West Bengal, India.
- The Department of Civil Engineering has published the 4<sup>th</sup> edition of the annual technical magazine(CE-TECH).

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

- A Webinar was organized in collaboration with the ECE Department and Euphoria GenexX on “JAVA for Industrial Training” on 14<sup>th</sup> November 2022.

## Students' Achievements

- Ms. Riya Mondal, 2<sup>nd</sup> year CE department, secured 2<sup>nd</sup> position (Silver) in “ABSKA State Karate Championship-2022”, held on 11<sup>th</sup> & 12<sup>th</sup> June 2022 at Naihati Railway Institute Hall.
- Puja Jana, 2<sup>nd</sup> year CE department, attended the seminar on the topic, “ Mental Health Awareness Programme” on 28<sup>th</sup> July 2022 at HETC under the program Azadi ka Amrit Mahotsav.
- Sumon Mondal, 2<sup>nd</sup> year CE department, attended the seminar on the topic, “ Mental Health Awareness Program” on 28<sup>th</sup> July 2022 at HETC under the program Azadi ka Amrit Mahotsav.
- Avishek Bhattacharjee, 3<sup>rd</sup> year ECE department, participated in “Student Conclave BJT@75” on 26<sup>th</sup> November 2022 organized by IEEE Solid-State Circuits Society.

## Faculty & Staff Participation

- Ms. Arpita Das, Assistant Professor, CE Department, participated in a Faculty Development Program on “Modelling, Analysis, and Design of Buildings with a Versatile Structural Engineering Software”, organized by NITTTR Kolkata, from 17<sup>th</sup> October to 21<sup>st</sup> October 2022.
- Ms. Arpita Das, Assistant Professor, CE Department, participated in the one-week Faculty Development Program in ICT mode on “Institutional Quality Enhancement through NAAC”, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College from 17<sup>th</sup> November to 24<sup>th</sup> November 2022
- Dr. Rajdip Paul, Assistant Professor, CE Department, participated in a Faculty Development Program on “Modelling, Analysis, and Design of Buildings with a Versatile Structural Engineering Software”, organized by NITTTR Kolkata, from 17<sup>th</sup> October to 21<sup>st</sup> October 2022.
- Dr. Rajdip Paul, Assistant Professor, CE Department, coordinated the one-week Faculty Development Program in ICT mode on “Institutional Quality Enhancement through NAAC”, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College from 17<sup>th</sup> November to 24<sup>th</sup> November 2022.

- Dr. Rajdip Paul, Assistant Professor, CE Department, participated in the one-week Faculty Development Program in ICT mode on “Institutional Quality Enhancement through NAAC”, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College from 17th November to 24th November 2022.
- Ms. Piyali Das, Assistant Professor, CE Department, participated in a faculty development program on “Waste Water Treatment Technology”, organized by NITTTR Kolkata, from 17th October to 21st October 2022.
- Ms. Piyali Das, Assistant Professor, CE Department, participated in the one-week Faculty Development Program in ICT mode on “Institutional Quality Enhancement through NAAC”, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College from 17th November to 24th November 2022
- Mr. Shibasish Deb, Assistant Professor, CE Department, participated in the one-week Faculty Development Program in ICT mode on “Institutional Quality Enhancement through NAAC”, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College from 17th November to 24th November 2022
- Dr. Tanumoy Ghosh, Assistant Professor, CE Department, participated in the “Vigyan Utsav” on “Harnessing the socioeconomic benefit of IPR: Role of Higher Education Institutions” organized by West Bengal State Council of Science & Technology, Department of Science & Technology & Biotechnology, Government of West Bengal on 25th August 2022.
- Dr. Tanumoy Ghosh, Assistant Professor, CE Department, participated and successfully completed the faculty development program on “Introduction to Advanced Pedagogy” organized by NITTTR Kolkata, from 14th November to 25th November 2022.
- Dr. Tanumoy Ghosh, Assistant Professor, CE Department, participated in the one-week Faculty Development Program in ICT mode on “Institutional Quality Enhancement Through NAAC”, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College from 17th November to 24th November 2022.
- Mrs. Arpita Chattopadhyay, Assistant Professor, CE Department, participated in the one-week Faculty Development Program in ICT mode on “Institutional Quality Enhancement Through NAAC”, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College from 17th November to 24th November 2022.
- Mrs. Tonima Das, Senior Technical Assistant, CE Department, participated in the faculty development program on “Waste Water Treatment Technology” organized by NITTTR Kolkata West Bengal, from 17th October to 21st October 2022.
- Mr. Somnath Dey, Technical Assistant, CE Department, participated in the faculty development program on “Waste Water Treatment Technology” organized by NITTTR Kolkata West Bengal, from 17th October to 21st October 2022.
- Mr. Sudipta Kansabanik, Senior Technical Assistant, CE Department, participated in the faculty development program on “Solid and Hazardous Waste Management” organized by NITTTR Kolkata West Bengal, from 14th November to 18th November 2022.
- Mr. Sandeep Bhowmik participated in the One Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.



- Ms. Sanghamitra Das has completed the One Week of Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Mr. Manab Saha participated in One week of FDP in ICT Mode on Institutional Quality Enhancement Through NAAC organized by Internal Quality Assurance Cell, HETC from 17th to 24th November 2022.
- Mr. Shirshendu Hore has completed the One Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Ms. Mousumi Ojha participated in the One Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Ms. Mousumi Ojha participated in one-week International Faculty Development Program in online “Innovation in Recent Trends in Computing” from 28th November to 2nd December 2022 organized by JIS University
- Mr. Dibyendu Samanta participated in a week of FDP in ICT mode on “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.
- Mr. Dibyendu Samanta participated in a One week of International FDP in online mode on “Innovation in Recent Trends In Computing” from 28th November to 2nd December 2022 organized by JIS University
- Mr. Sumanta Daw participated in a week of FDP in ICT mode on “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.
- Mr. Sumanta Daw participated in a One week of International FDP in online mode on “Innovation in Recent Trends In Computing” from 28th November to 2nd December 2022 organized by JIS University
- Mr. Swarup Samanta participated in the One Week Faculty Development Program in ICT Mode on “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.
- Ms. Swagata Mallik has completed One Week of a Faculty Development Program in ICT Mode on “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.
- Mr. Jagadish Bhattacharya participated in One week of FDP in ICT Mode “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.
- Mr. Subhojit Malik has completed the One Week Faculty Development Program in ICT Mode on “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.
- Mr. Biswajit Basak participated in the One Week Faculty Development Program in ICT Mode on “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.

- Mr. Deb Kumar Sheet participated in the One Week Faculty Development Program in ICT Mode on “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.
- Mr. Subhajit Roy participated in one Week Faculty Development Program in ICT Mode on “Institutional Quality Enhancement Through NAAC” from 17th November to 24th November 2022 organized by IQAC, Hooghly Engineering & Technology College.
- Mrs. Swagata Mallik participated in one week of FDP in ICT mode on “Institutional Management” from 14th November to 18th November 2022 organized by NITTR, Kolkata.
- Mr. Manish Kumar Singh participated in one week of FDP in ICT mode on “Institutional Management” from 14th November to 18th November 2022 organized by NITTR, Kolkata.
- Dr. Pratyay Debnath participated in one Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Dr. Rajesh Patra participated in one Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Ms. Sudeshna Banerjee participated in one Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Dr. Aishwarya Mukherjee participated in one Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Dr. Abhranil De participated in one Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Mr. Pradip Ghosh participated in one Week of Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Mr. Subham Ganguly participated in one Week Faculty Development Program in ICT Mode on Institutional Quality Enhancement through NAAC, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell, Hooghly Engineering & Technology College.
- Mr. Subhajit Roy, Assistant Professor, ECE Department, successfully conducted a session at Induction Program 2022 on the topic “NPTEL, SWAYAM and MOOCs” on 18th October 2022.
- Mr. Subham Ganguly, Assistant Professor, BSH Department, successfully conducted a session at Induction Program 2022 on the topic “Understanding Values & Happiness in the Smart Age” on 22nd October 2022.
- Mr. Saurav Chowdhury, Senior Technical Assistant, BSH Department, successfully conducted a session at Induction Program 2022 on the topic “NSS HETC: Overview of the program & Rules” on 20th October 2022.

- Mr. Swaprakash Roy, Administrative Staff, successfully conducted a session at Induction Program 2022 on the topic “Self-defence tips” on 20th October 2022.
- Mr. Sumanta Daw, Assistant Professor, ECE Department, successfully conducted a session at Induction Program 2022 on the topic “Mandatory Additional Requirements” on 2nd October 2022.
- Dr. Abhranil De and Dr. Soumya Banerjee Assistant Professors, BSH Department, successfully conducted a session at Induction Program 2022 on the topic “Water Conservation” on 3rd October 2022.
- Mr. Saktibrata Roy, Liaison Officer, successfully conducted a session at Induction Program 2022 on the topic “Scholarship Awareness” on 3rd October 2022.

## Faculty & Staff Achievements

- Ms. Swagata Choudhury, Assistant Professor, ECE Department, acted as the OIC of the institute for MAKAUT, West Bengal odd semester examinations for the academic year 2022-23.
- Mr. Sandip Basu, Assistant Professor, ME Department acted as the Supervisor of the institute for MAKAUT, West Bengal odd semester examinations for the academic year 2022-23.
- Dr. Smitadhi Ganguly, Associate Professor, and HoD, ME Department, acted as the Chairman of, the One Week Faculty Development Program in ICT Mode on “Institutional Quality Enhancement Through NAAC”, from 17th to 24th November 2022, organized by Internal Quality Assurance Cell (IQAC), Hooghly Engineering & Technology College
- Mr. Swarup Samanta, Assistant Professor, ECE Department, acted as the Program Officer & Convener for the HETC NSS unit for the academic year 2022-23.
- Mr. Subhajit Roy, Assistant Professor, ECE Department, acted as the SPOC for Coursera for the academic year 2022-23.
- Mr. Subhajit Roy, Assistant Professor, ECE Department, acted as the SPOC for EdX courses for the academic year 2022-23.
- Mr. Subhajit Roy, Assistant Professor, ECE Department, acted as the SPOC for the SWAYAM-NPTEL Local Chapter for the academic year 2022-23.
- Mr. Subhajit Roy, Assistant Professor, ECE Department, acted as the SPOC for MOOCs, MAKAUT for the academic year 2022-23.
- Mr. Subhajit Roy, Assistant Professor, ECE Department, acted as the SPOC for Internshala for the academic year 2022-23.
- Mr. Subhajit Roy, Assistant Professor, ECE Department, acted as the SPOC for Edu-skills for the academic year 2022-23.
- Mr. Subhojit Malik, Assistant Professor, ECE Department, is acting as Nodal Officer for AICTE Student Learning Assessment Project (PARAKH) for the academic year 2022-23.

- Mr. Subhajit Roy, Assistant Professor, ECE Department, is acting as Assistant Coordinator for AICTE Student Learning Assessment Project (PARAKH) for the academic year 2022-23.
- Mr. Sandeep Bhowmik, Assistant Professor, CSE Department, acted as the Institute for Spoken Tutorial Project Faculty Coordinator, IIT Bombay, for the academic year 2022-23.
- Mr. Subhojit Malik, Assistant Professor, ECE Department, acted as the Coordinator of Hooghly Engineering & Technology College for the following Outreach Programs conducted by the Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO) and received an Appreciation Certificate as Coordinator from IIRS, ISRO for the academic year 2022-23.
- Mr. Sumanta Daw, Assistant Professor, CSE Department, has been acting as SPOC for MAR for the academic year 2022-23.
- Dr. Rajdip Paul, Assistant Professor, CE Department, acted as the Convener of the Induction Program for the newly admitted students of the academic session 2022-23.
- Dr. Rajdip Paul, Assistant Professor, CE Department acted as the Coordinator of the Internal Quality Assurance Cell (IQAC) of the college.
- Mr. Soumya Kanta Ray, Assistant Professor, CE Department, has been granted a patent entitled “One-Pot Synthesis of grapheme oxide-Mn-Fe composite nanomaterial and purifying water by the same”. Patent 404878, filed December 20, 2018, and issued August 29, 2022
- Mr. Chandan Jana, Assistant Professor, EE Department acted as Coordinator in the project titled “IoT-based Real-Time Flood Water Level Monitoring Device” which may help the Irrigation Department, Govt. of West Bengal to get real-time data on the water level of rivers during the flood and to make the local people aware of the situation.

## Publications of Faculty Members

### Publications in Journals

#### ❖ International Journal

##### Civil Engineering Department,

- Das Arpita, Saha. S “Experimental Investigation for Strengthening the Nanocomposite Cementitious Materials with a Nanoscale Modification”, Recent Trends in Civil Engineering & Technology, 12(2), 10-24, 2022. <https://engineeringjournals.stmjournals.in/index.php/RTCET/article/view/6578>
- Das Arpita, Paul Rajdip, and Dalui S.K. “Effect of Wind Force on a Corner-Recessed Square Tall Building Using Genetic Algorithm with Experimental Validation,” Journal of Structural Engineering (ASCE), Response to Reviewer submitted.

#### ❖ National Journal

##### Mechanical Engineering Department,

Biswas Dipanwita, Banerjee Amit, Santanu, Das, Das Prosenjit (2022) “An Investigation on Machinability during Turning Al-Mg2Si-Si Composite in Dry Condition”, Indian Science Cruiser, Vol 36, No 3 (2022), DOI: 10.24906/isc/2022/v36/i3/213768

## Publications in Conferences

### ❖ International Conference

#### Electrical Engineering Department,

- Jana Chandan, “Performance analysis of different rotor configurations of LSPMSM for Electric Vehicles,” IEEE Calcutta Conference (CALCON) 2022 held on 10<sup>th</sup> and 11<sup>th</sup> December 2022. The paper will be published in IEEE Xplore.
- Jana Chandan, “Optimal velocity profile identification of EV suited for standard driving cycles using PSO to reduce power requirement,” IEEE Calcutta Conference (CALCON) 2022 held on 10<sup>th</sup> and 11<sup>th</sup> December 2022. The paper will be published in IEEE Xplore.

### ❖ Book Chapters

#### Mechanical Engineering Department,

- Ganguly Smitadhi, Nandi A., and Neogy S. (2022) “Characterization and Modeling of Viscoelastic Materials”, Encyclopedia of Materials: Plastics and Polymers, Editor(s): M. S. J. Hashmi, Elsevier, pp.565-579, ISBN 9780128232910, DOI: 10.1016/B978-0-12-820352-1.00283-2.

#### Basic Science& Humanities Department,

- Banerjee Soumya., Khan, Anoar Ali., Bioremediation of Soils Polluted with Hexavalent Chromium using Bacteria, The Future of Effluent Treatment Plants, Elsevier, <https://doi.org/10.1016/B978-0-12-822956-9.00015-5>. pp. 247-264, 2021.