

Department of Computer Science & Engineering

Lockdown Activity during Lockdown

Amidst this pandemic background due to Covid-19 outbreak, the Department of Computer Science & Engineering has started moving towards developing an online mode of education – a stopgap arrangement. Department has changed mode of teaching from physical interaction with the students in classroom to online, virtual experience. This Department of GNIT was established in the year 2003 and offers disciplines B. Tech (CSE) and M. Tech (CSE) by a number of qualified faculty and technical members who engage the students in innovative teaching-learning process to provide a comprehensive research environment complemented. The Department is constantly evolving towards greater heights to serve the needs of the society and meet the aspirations of the student community. The success of the Department is amply reflected in the outstanding achievements of the students employed in India and abroad. In addition to the curriculum, our department conducts regular value-added course, soft skill programs and webinars by qualified resource person from India and abroad to meet the ever changing needs of employability. This helps the highly motivated students to understand the dynamics of the industry and to upgrade their skills for higher studies. During lockdown the mode of e-learning favours the students and their families to keep regular interaction with the department by access to technology, space and time.

To keep our students on board, Department of Computer Science & Engineering, GNIT under the aegis of JIS group has decided to conduct the seminar digitally. In this regard, each week a webinar is being organized by the department.

Mobile Application development using Android

A Webinar on 'Mobile Application development using Android' was successfully organized by Department of Computer Science & Engineering of Guru Nanak Institute of Technology in collaboration with MicroPro under IE Chapter on 6th May 2020. The session was facilitated by Mr. Banibrata Chakraborty, Senior Technical Trainer, MicroPro. Mr. Chakraborty elaborately explained the topics like – What is Android, Android's source code, different versions of Android, Applications of Android & lots more. Around 75 students and some Faculties and JTAs of CSE department took part in this program. The session was informative and lucid and enlightened the students and faculties alike. The feedback from students



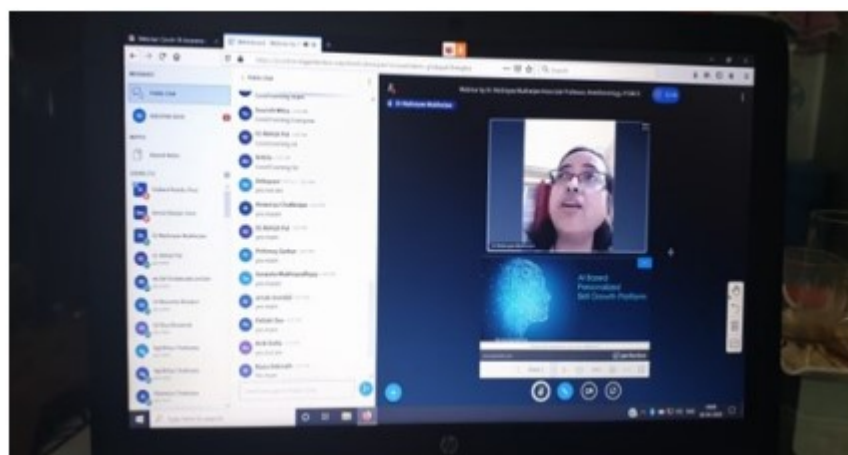
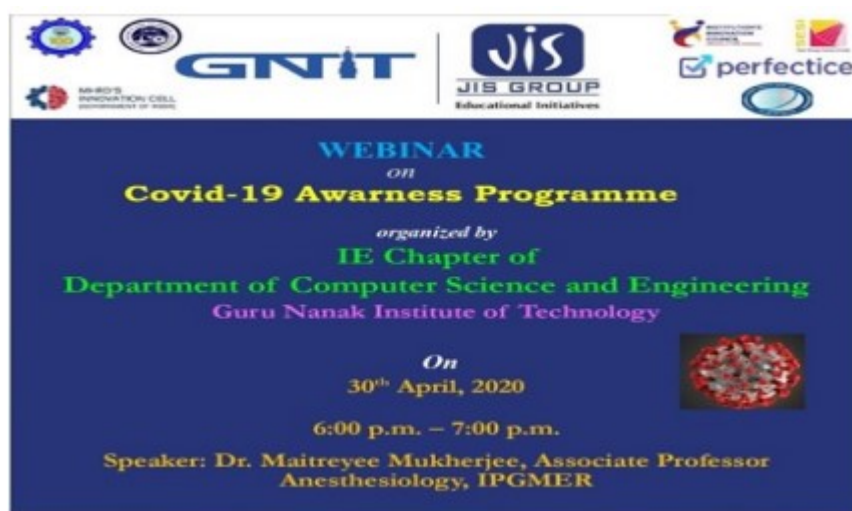
WEBINAR
on
**Mobile Application development using
Android**
organized by
IE Chapter of
Department of Computer Science and Engineering
Guru Nanak Institute of Technology
In collaboration with Micro-Pro

On
6th May, 2020
11:00 a.m. – 1:00 p.m.
Speaker: Mr. Banibrata Chakraborty



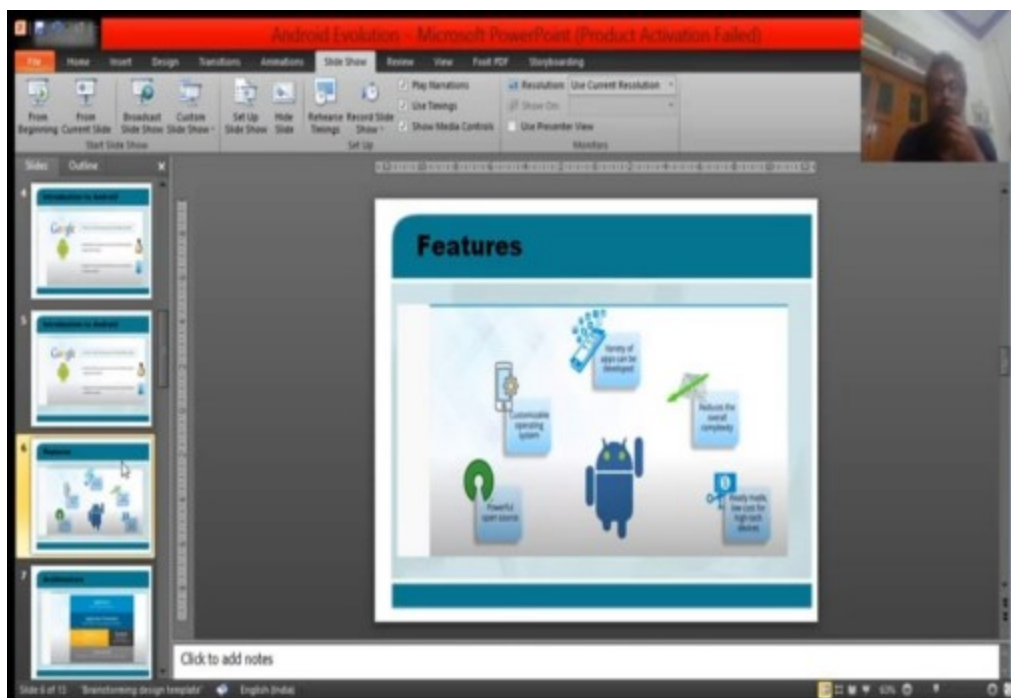
Covid-19 Awareness Programme by Dr. Maitreyee Mukherjee

Department of Computer Science & Engineering of Guru Nanak Institute of Technology under IE Chapter has organized a webinar on 'Covid-19 Awareness Programme' on 30th April, 2020, to combat this pandemic situation. Dr. Maitreyee Mukherjee, Associate Professor Anesthesiology, IPGMER and SSKM, has addressed several issues to fight against Covid-19. She has discussed many important issues, like what is Covid-19, why it is called Covid-19, what are the primary precautions we can take to protect ourselves from the infection of this disease. Under which scenario, this disease will become severe and what basic steps we should take if anyone gets infected by this virus also have been discussed in this seminar. She also gave very important suggestion, about the steps which we should take once the Institute gets open. This session was very interesting and interactive.



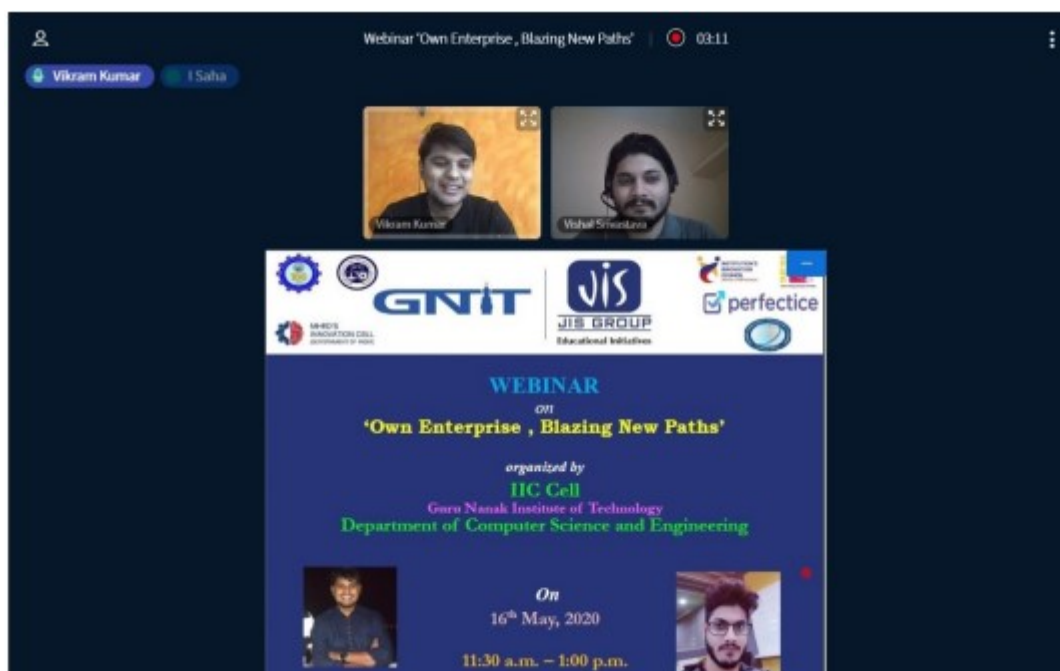
Mobile Application development using Android

A Webinar on ‘Mobile Application development using Android’ was successfully organized by Department of Computer Science & Engineering of Guru Nanak Institute of Technology in collaboration with MicroPro under IE Chapter on 6 th May 2020 from 11 am to 1 pm. The session was facilitated by Mr. Banibrata Chakraborty, Senior Technical Trainer, Micro -Pro. Mr. Chakraborty elaborately explained the topics like – What is Android , Android's source code , different versions of Android ,Applications of Android & lots more. Around 75 students and some Faculties and JTAs of CSE department took part in this program. The session was informative and lucid and enlightened the students and faculties alike. The feedback from students was taken and they have shown a great interest & want more numbers of this kind of webinar session.



Own Enterprise, Blazing New Paths

All the faculty, staff members and students of the department attended the webinar and asked numerous relevant questions regarding employment and start-up. Our alumni answered all the questions and suggested their opinion regarding the post covid-19 scenario. Director at Sama, recognized by the Ministry of Law and Justice, Government of India and Chief Coordinator at Indian Mediation Week (IMW) and Mr. Vishal Srivastava, Emerging Technology and Intelligent Automation Consultant at EY. All the faculty, staff members and students of the department attended the webinar and asked numerous relevant questions regarding employment and start-up. Our alumni answered all the questions and suggested their opinion regarding the post covid-19 scenario.



Online Test

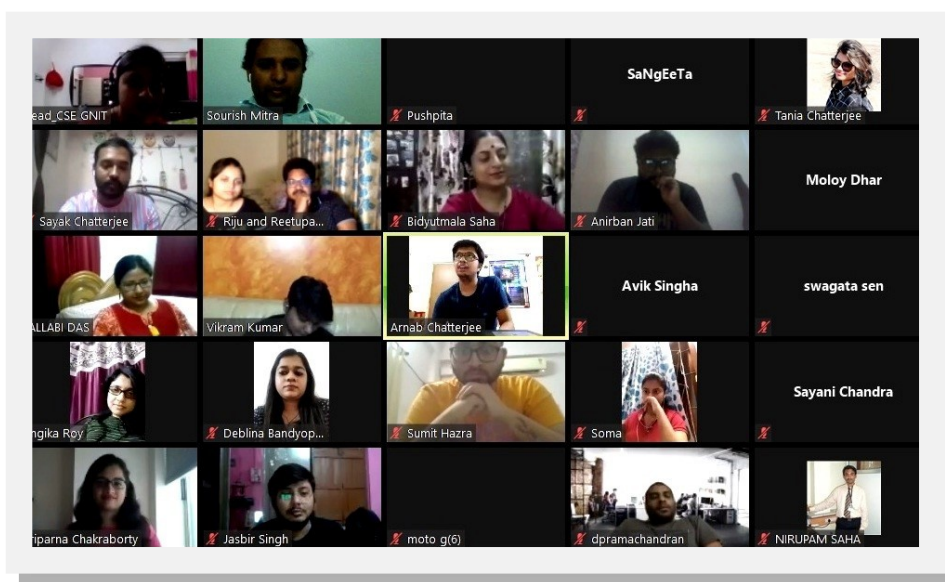
Faculties of Computer Science and Engineering department have organized online test to measure the progress of learning and to identify their weaknesses. Some samples of subject name and corresponding faculty name are mentioned below:

Sl No	Subject name	Department	Semester	Faculty Name
1	Design Analysis of Algorithm (CS402)	CSE	4 th Semester, CSE 1 &2	Srabani Kundu, Sangeeta Bhattacharya
2	Formal Languages and Automata Theory (CS403)	CSE	4 th Semester, CSE 1 &2	Sayani Chandra, Srabani Kundu
3	Distributed Operating System (IT(CSE)605B)	CSE	6 th Semester CSE 1 &2	Rafiqul Islam, Pallabi Das
4	Programming for Problem Solving (CS201)	ECE	1 st Semester ECE 1 &2	Pallabi Das, Sangeeta Bhattacharya
5	Computer Architecture (CS401)	CSE	4 th Semester CSE 1 &2	Ipsita Saha, Pallabi Das
6	E-Commerce IT(CSE)606C	CSE	6 th Semester CSE 1 &2	Ipsita Saha, Mandira Banik
7	Software Engineering (CS603)	CSE	6 th Semester CSE 1 &2	Amrut Ranjan Jena, Mandira Banik
8	Computer Network (CS601)	CSE	6 th Semester CSE 1 & 2	Sourish Mitra, Rafiqul Islam
9	Image Processing (PGCSE205A)	MTech-CSE	1 st Semester	Moloy Dhar
10	Theory of Computation (PGCSE203)	MTech-CSE	1 st Semester	Moloy Dhar
11	Programming for Problem Solving (CS201)	CSE	1 st Semester CSE1&2	Moloy Dhar, Nirupam Saha
12	Introduction To Programming in JAVA CS(EE) 606A	EE	6 th Semester	Bidyutmala Saha
13	Microprocessor and Micro-controller (CS602)	CSE	6 th Semester, CSE 1& 2	Nirupam Saha, Bidyutmala Saha
14	Cyber law and Security Policy	CSE	8th Semester CSE1 1 &2	Srabani Kudu, Bidyutmala Saha

Alumni Meet

Computer Science & Engineering @ GNIT had organized a departmental Inter- national Alumni Meet on 3rd May, 2020 from 7 p.m. onwards. Due to the recent Covid-19 outbreak, CSE has not witnessed any cessation of activities. Even after the lockdown, the department is connected with the esteemed alumni through a virtual programme entitled “CSERECONNECT-2020”.

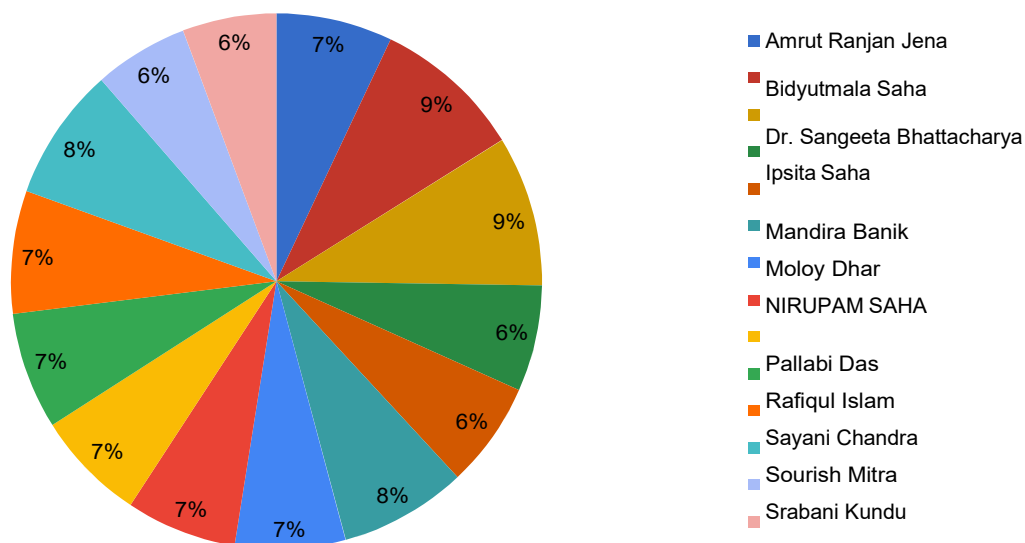
CSE alumni had wholeheartedly participated in the programme and the Meet had certainly been a nostalgic evening for all of us. They had enriched the evening with various acts and performances.



Remedial and Doubt Clearing Session Conducted by the Department


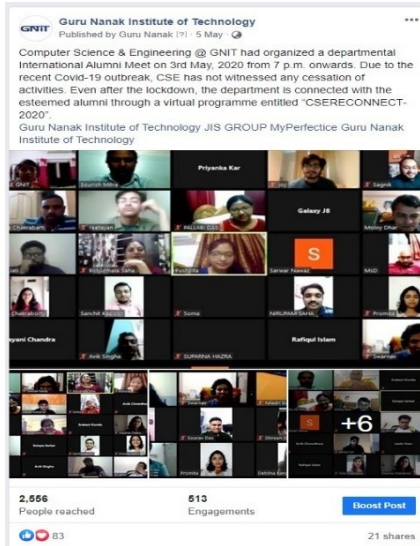
All faculties of CSE department continue their teaching during this critical situation by using different online teaching platform like Whiteboard of Myperfectice, Webex, Zoom, whatsapp, google classroom and various other ways. They took their classes by preparing different teaching material. They also provide assignment and study material to the students so that students can continue their study despite of all hurdles. To evaluate the performance of the students many online tests have been conducted. During these tenure total classes conducted by the faculties of CSE department is 297. The conduction of classes by some of the faculty and JTA members are shown by the pie-chart.

**Conduction of online class by the faculty members
and JTAs of CSE Department**

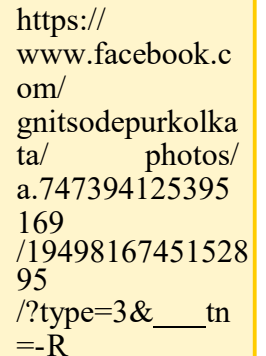


Alumni Activity

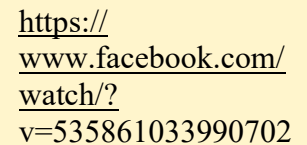
Report of CSE Department Activity on Social Media(1st May 2020 – 30th June 2020)

Name of the Post	Date of the Post	Screenshot of the Post	Link of the post
Banner of Digital Alumni Meet on 3 rd May 2020	01-05-2020		https://www.facebook.com/gnitsodepurkolkata/photos/a.747394125395169/1945832272218009/?type=3&__tn=-R
Report of Digital Alumni Meet on 3 rd May 2020	05-05-2020		https://www.facebook.com/gnitsodepurkolkata/posts/1949596768508226?__tn=-R

05-05-2020



of05-05-
of2020



ain07-05-
(@)2020



Report of Webinar on Covid-19 Awareness Programme on 30-05-2020 provided by Dr. Maitreyee Mukherjee, Associate Professor Anaesthesiology, IPGIMER and SSKM



<https://www.facebook.com/gnitsodepurkolkata/posts/1952900111511225?tn=-R>

Report of Webinar on Mobile Application development using Android on 6th May 2020 provided by Micro-Pro



<https://www.facebook.com/gnitsodepurkolkata/posts/1956077121193524?tn=-R>

Banner of Webinar on Own Enterprise, Blazing New Paths on 16th May 2020 provided by Young Alumni and Entrepreneur-15-05-2020



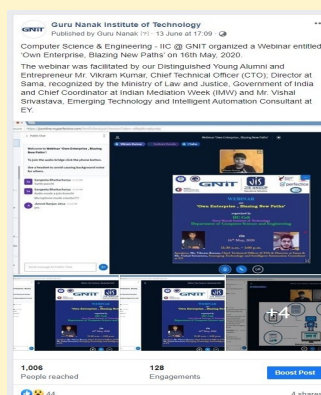
<https://www.facebook.com/gnitsodepurkolkata/photos/a.747394125395169/1959980407469862/?type=3&tn=-R>

Anwesha Chowdhury @ QS I-Gauge Re-Think Tank Session (Semi-Final Qualifier) represented GNIT in the 10-06-2020 Face Book Live Session on "Women Entrepreneurship through the Lens of Higher Education" on 10th June, 2020



<https://www.facebook.com/gnitsodepurkolkata/posts/1984786208322615?tn=-R>

Report of Webinar on Own Enterprise, Blazing New Paths on 16th May 2020 provided by Young Alumni and Entrepreneur-13-06-2020



<https://www.facebook.com/gnitsodepurkolkata/posts/1987794811355088?tn=-R>

Faculty Participation

1. Mrs. Srabani Kundu has attended the FDP Program on Recent and Future Trends In Technol-ogy organized by GNIT from 27th April to 2nd May, 2020
2. Mr. Moloy Dhar has attended the FDP Program on Programming in C++ Methodologies or- ganised by NITTTR Kolkata from 20/04/2020 to 24/04/2020
3. Mr. Moloy Dhar has attended the FDP Program on Recent and Future Trends In Technology organized by GNIT from 27th April to 2nd May, 2020
4. Mr. Moloy Dhar has attended the FDP Program on Artificial Intelligence organised by NITTTR Kolkata from 04/05/2020 to 08/05/2020
5. Mr. Moloy Dhar has attended the FDP Program on One week Faculty Development Program on Image Authentication, WSN & IoT organised by JIS College of Engineering from 22/06/2020 to 26/06/2020
6. Mrs. Bidyutmala Saha attended the FDP Program on Recent and Future Trends In Technolo- gy organized by GNIT from 27th April to 2nd May, 2020
7. Mrs. Srabani Kundu has Successfully attended the India's First Leadership Talk with Mr. Shridhar Venkat (CEO) Akashaya Patra Foundation Held on 20th June, 2020 by MHRD's Innovation Cell.
8. Mrs. Srabani Kundu has successfully attended Leadership Talk with Shri Dipendra Mano- cha, (Motivational Speaker) held on 27th Jun by MHRD's Innovation Cell.
9. Mrs. Srabani Kundu has successfully attended Leadership Talk With Dr. Nilesh N Oak, Ex- pert (Indian Civilization & History) held on 30th May Dr. Abhay Jere (Chief Innovation Of-ficer- MHRD Innovation Cell, Govt. of India) Hosting Live session of Leadership Talk With Dr. Nilesh N Oak, Expert (Indian Civilization & History) by MHRD's Innovation Cell.
10. Mrs. Srabani Kundu has successfully attended Leadership Talk with Shri Dipendra Mano- cha, (Motivational Speaker) held on 27th Jun by MHRD's Innovation Cell.
11. Ms. Sayani Chandra has attended the FDP Program on Recent and Future Trends In Technol-ogy organized by GNIT from 27th April to 2nd May, 2020 .
12. Ms. Mandira Banik has attended the FDP Program on Recent and Future Trends In Technol- ogy organized by GNIT from 27th April to 2nd May, 2020

Publication

1. Amrut Ranjan Jena, “An Integrated Approach for Prediction of Radial Overcut in Electro Discharge Machining using Fuzzy Graph Recurrent Neural Network” accepted for International Journal of Embedded Systems [FREE JOURNAL], Scopus Indexed, SCI Indexed, Elsevier, May 2020 (Accepted) impact factor-0.34, <https://www.inderscience.com/info/inissues.php?jcode=ijes>
2. Sandip Kumar Karmakar, Sandip Shaw, Sourish Mitra, “IOT Based Finger- Print- Scanning-Biometric-Panel With Advanced Infra- Thermal-Scanning Strategy Comprising Of Automated Sani- Tizer-Spraying-Disinfectant-Gateway-Tunnel” published in international Journal International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, ISSN and UGC Approved, 5.75 Impact factor.
3. Rohan Chakroborty, Subhajit Sanyal, Pallabi Das, “IoT based Thermal Signature Detector with Alarm & E-mail Notification with Integrated Social Gathering Screening using Computer Vision” published in The International Journal of Emerging Technology and Advanced Engineering-ISSN 2250–2459, Volume 10, Issue 4, pp-164-171, April 2020 UGC Approved, Impact Factor of 6.351.
4. Biplab Roy, Aindrilla Majumder, Neela Chattopadhyay, Moloy Dhar, Amrut Ranjan Jena, Mandira Banik “Implementation of Voice Controlled Robot using Arduino: A Novel Approach” published in International Journal of Emerging Technology and Advanced Engineering (ISSN 2250–2459(Online), An ISO 9001:2008 Certified Journal), Volume 10, Issue 04, April, 2020.
5. Somalina Chowdhury, Santanu Kr. Sen, "Security in Smart Meter using IoT" Published in scopus Index, Impact factor 1.0, in International Journal of Engineering and Advanced Technology (IJEAT) at Volume-9 Issue-4 pg 2293-2295, April 2020 Issue on 30 April 2020. value of citation 6.02.

Student Internship

SL.No	Student Name	Passout Batch	Organization	From Date	To Date
1	Diptamoy Maity	2020	Bcc&i JIS Plumule Collaboration	24th June	31st July
2	Anikesh Sinha	2020	Perfectice Eduventure PVT. LTD	18th May	30th July
3	SOURABH NATH	2020	Champion InfoMatrics Pvt Ltd(Bangalore)	1st July	2nd August
4	SREYA DEY	2020	Aptsource Software Pvt. Ltd.	8th July	30th September
5	JASWIN SINGH	2020	TATA STEEL LTD	25th June	23-Jul
6	Suryarochih Samaddar	2020	C-DAC, Bengaluru	10th July	20th July
7	Rounak Saha	2020	Aptsource Software Pvt. Ltd.	8th July	8th October
8	DEBOSMITA ROY	2020	Bcc&i JIS Plumule Collaboration	24th June	31st July
9	Amarjot Singh Nagee	2020	Bcc&i JIS Plumule Collaboration	24th June	31st July
10	Prothit Das	2020	Globesyn-3rd Life	4th March	30th April
11	Poulomi Kumar	2020	Globesyn-3rd Life	4th March	30th April
12	Mohana De	2020	Globesyn-3rd Life	4th March	30th April
13	Joydeep Mukherjee	2020	Globesyn-3rd Life	4th March	30th April
14	Ayushi Saxena	2020	Globesyn-3rd Life	4th March	30th April
15	Kishaloy Bhowmik	2020	Globesyn-3rd Life	4th March	30th April
16	Ashmita Chowdhury	2020	Globesyn-3rd Life	4th March	30th April
17	Shreya Shaw	2020	Globesyn-3rd Life	4th March	30th April
18	Yogesh Singh	2020	Coral BlockChain	1st May	31st July
19	Jadab Banerjee	2021	Spatez Technology pvt LTD	20th Feb	18th March

Student Achievement



Sumana Garani won
1st position in writing
competition



Resurrect 2020 @ Design Thinking Challenge intensively engaged in Innovations to Handle Post

Covid19 Challenges in all the Spheres of Life is happy to announce the Winners.

CHAMPIONS:

2nd Runners Up:

Team Creep Access led by Ms. Subarna Guin (Mentor: Mr. MoloyDhar)

We the team "Creep Access" From cse department secured 3rd position .

Team members

1. Subarna Guin (team leader)
2. Subhajit Pati
3. Sourav Mallick
4. Snehashis Chakraborty
5. Soumik Sarkar

