



JIS COLLEGE OF ENGINEERING

(An Autonomous Institute)

Department of Computer Science & Engineering

NEWS LETTER

A CADEMIC SEMESTER

(July'23 – December'23)

UNIQUE

FROM THE HOD'S DESK



Dr. Bikramjit Sarkar

HOD, Dept. of CSE.

At the very outset, the department of Computer Science and Engineering welcomes the aspirants to be a part of the booming computer science community and become visionaries and change makers of the future.

Technical Education is one of the most significant components of Human Resource Development spectrum with great potential for adding value to products and services for contributing to the National economy and for improving the quality of life of the people. In reorganization of the importance of this sector, the department of Computer Science and Engineering was established with the primary goal of providing quality education in the field of Computer Science and Engineering, while addressing the problems of today and tomorrow.

Right from its inception, the department has been offering excellent infrastructural facilities to aspire students to meet the growing demands of the industry. The aim of the department is to provide students both theoretical knowledge and practical skills in the field of latest technology to make it easier for the employment in various sectors.

The department of Computer Science & Engineering is well equipped with centralized laboratories having the latest configurations. The department is very actively pursuing research in diverse fields of Computer Science world ranging from Security, Mobile Applications, Wireless Networking, Machine Intelligence, Image Processing and lots more.

Our students have participated in different Inter-Intra Institutional events and bagged different prizes. Faculty members are associated in programs such as, NPTEL, IIT-Bombay Spoken Tutorial Program, QEEE program, SWYAM program and lots more. The PG programme commenced in the year 2008 entitled M. Tech. in Computer Science and Engineering. The UG programme has been accredited by National Board of Accreditation in the year 2006. The college received Autonomy from UGC in 2011.

Dr. Bikramjit Sarkar

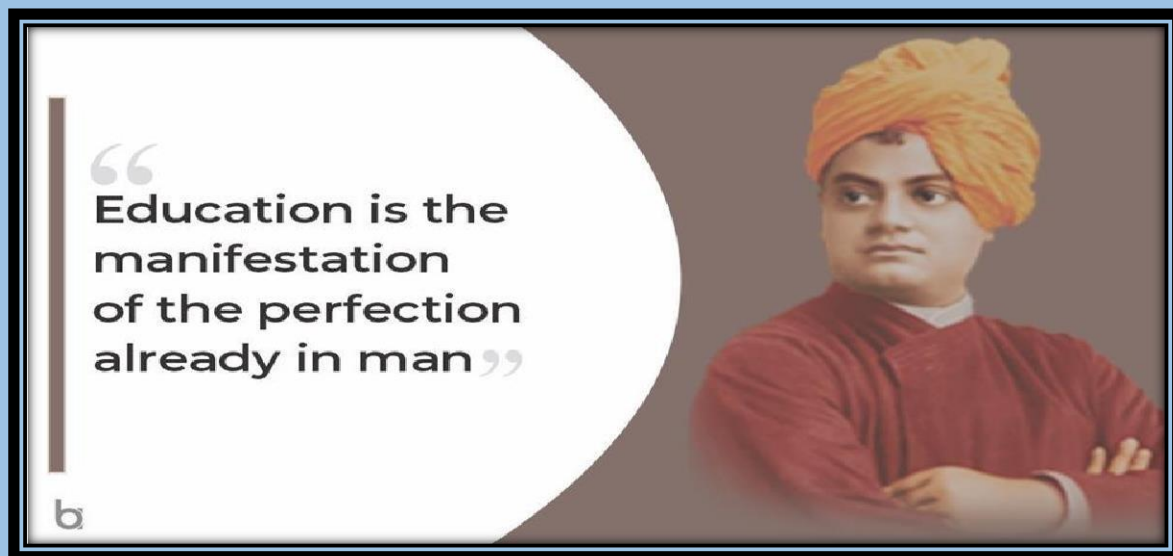
HOD, Dept. of CSE.

Vision

The Computer Science and Engineering Department at JIS College of Engineering will be a leader in computing innovation through excellence in undergraduate and graduate education, active research programs and the dissemination of knowledge. The Department will leverage both the international and interdisciplinary nature of computing.

Mission

The Department's mission is to provide students and faculty with an open environment that encourage professional and personal growth. The academic programs mission is that to prepare students for flexible career paths and continuing advancement in computing. The students are motivated and encouraged to build a successful career in the computing professions through flexible programs of study that can be adapted to support individual career goals.



MESSAGE FROM FACULTIES



JIS College of engineering is a great place to learn and research. Computer Science & Engineering department provides different laboratory such as Network Lab, Operational Research Lab, Advanced Database Systems Lab, Computer Architecture Lab, Web Technology Lab and many more with high-speed internet facility. The department takes initiative to organize different seminar and workshop for different computer field. The department also takes initiative to improve the quality of the students so that they can face the competition in the corporate world confidently. My best wishes to all the students of Computer Science and Engineering Department.

Mr. Apurba Paul (AP/CSE)



JIS College of Engineering, Kalyani is an autonomous institute. The faculty members of Computer Science & Engineering Department of JISCE are well-experienced, active, enthusiastic, energetic and friendly to their students. All the students are very much encouraged to make their career smooth and glorious. All faculty members are engaged for teaching the students as well as in their research work. Our department is motivated and helpful to bring success to the students. I wish all the members, stakeholders, students and faculties concerned with the CSE department, health, good luck and best wishes for the future.

Ms. Ira Nath (AP/CSE)

FROM EDITORIAL'S DESK



It is our immense pleasure to work on this edition, included in the words from our HOD/CSE Prof. Dharmpal Singh and senior faculties. It also highlights events, workshop, seminars, publications, achievement and many more. In this edition, we have tried to capture last few months excitement and activities. We have also included the achievement of the students and faculty members from the CSE department in curricular, co-curricular and Extra-curricular activities. I sincerely hope that this edition makes for an interesting read.

Mr. Sumanta Chatterjee (AP/CSE)



Nath, Ira, Aditya Shaw, Aniruddha Bhadra, Diya Dey Bhowmick, Sayandeep Ghosh, and Sreeja Chatterjee. "A Novel Personal Fitness Trainer and Tracker powered by Artificial Intelligence enabled by MEDIAPIPE and OpenCV." *International Journal of Intelligent Systems and Applications in Engineering* 11, no. 3 (2023): 1085-1094.

- Sahoo, A. K., I. Nath, S. B. Senapati, S. K. Panda, M. R. Das, and B. K. Patra. "Apocrine Gland Anal Sac Adenocarcinoma in Dogs: 22 Cases (2015-2020)." *Indian Journal of Animal Research* 57, no. 8 (2023): c.
- Mitra, Debasree, Pranati Rakshit, Shubhranil Mazumder, Anupam Dutta, Suman Manna, Sutapa Das, and Sanjoy Banik. "Sign Language Recognition with Machine Learning Check for updates." *Advances in Communication, Devices and Networking: Proceedings of ICCDN 2022* 1037 (2023): 297.
- Dey, Niti, Sitikantha Chattopadhyay, Subhra Prokash Dutta, Koushik Mukhopadhyay, Pranati Rakshit, Ton Quang Cuong, Souvik Pal, and Sajjad Ali Etyem. "User feedback based sentiment analysis system using machine learning for a restaurant." In *AIP Conference Proceedings*, vol. 2845, no. 1. AIP Publishing, 2023.
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- Mistri, Jhumpa, and Pranati Rakshit. "DETECTION OF HEART DISEASE USING DIFFERENT MACHINE LEARNING TECHNIQUES.
- Singh, Dharmpal, Sayantan Halder, Sonali Bhattacharyya, Ira Nath, Sudipta Sahana, Souvik Pal, and Mohammed Ayad Alkhafaji. "COVID-19 case analysis in India using EDA and its prediction." In *AIP Conference Proceedings*, vol. 2845, no. 1. AIP Publishing, 2023.
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CAMPUS PLACEMENT

More than 70% students have got opportunities to work in different top software development industries



PLACEMENTS DETAILS

SL NO.	STUDENT NAME	PLACED AT- 1	PLACED AT- 2	PLACED AT- 3
1.	Abhirup Mukherjee	JMAN Digital Services		
2.	Aman Pathak	ApMoSys Technologies	SLK Software	
3.	Antara Das	Persistent		
4.	Aradhya Rai	ApMoSys Technologies		
5.	Arundhati Ghosh	Accenture		
6.	Ayantika pal	Accenture		
7.	Deep Saha	Mocero Health Solutions		

SL NO.	STUDENT NAME	PLACED AT-1	PLACED AT-2	PLACED AT-3
8.	Hrishikesh Kushwaha	Prolifics		
9.	Jayantika Roy	Accenture		
10.	Parnajit Majumder	Accenture		
11.	Prasun Sarkar	Accenture		
12.	Pritam Roy	Accenture		
13.	Raisa Ghosh	Accenture		
14.	Rohan Debnath	Accenture		



SL NO.	STUDENT NAME	PLACED AT-1	PLACED AT-2	PLACED AT-3
8.	Rupayan Roy	Accenture		
9.	Soujit Das	SAP LAB	Accenture	
10.	Srijan Seal	Accenture		
11.	Subham Karmakar	SLK Software		
12.	Tathagata Dey	Accenture		



REPORT ON A WORKSHOP ON WEB DEVELOPMENT ROADMAP

Date of Program – 31-03-2023

Venue – Room No. MB 218, JISCE, Kalyani

About The Program – The Department of Computer Science and Engineering, JIS College of Engineering, Kalyani organized a workshop on “Web Development Road Map” on 31-03-2023. The speaker was Subrata Midya, a student of CSE 4th Year and founder of ‘Think Next Media’. 270 participants were present in this hybrid mode programme. The session was very interesting to all the participants. The Programme was ended with vote of thanks by HOD, CSE Dept.



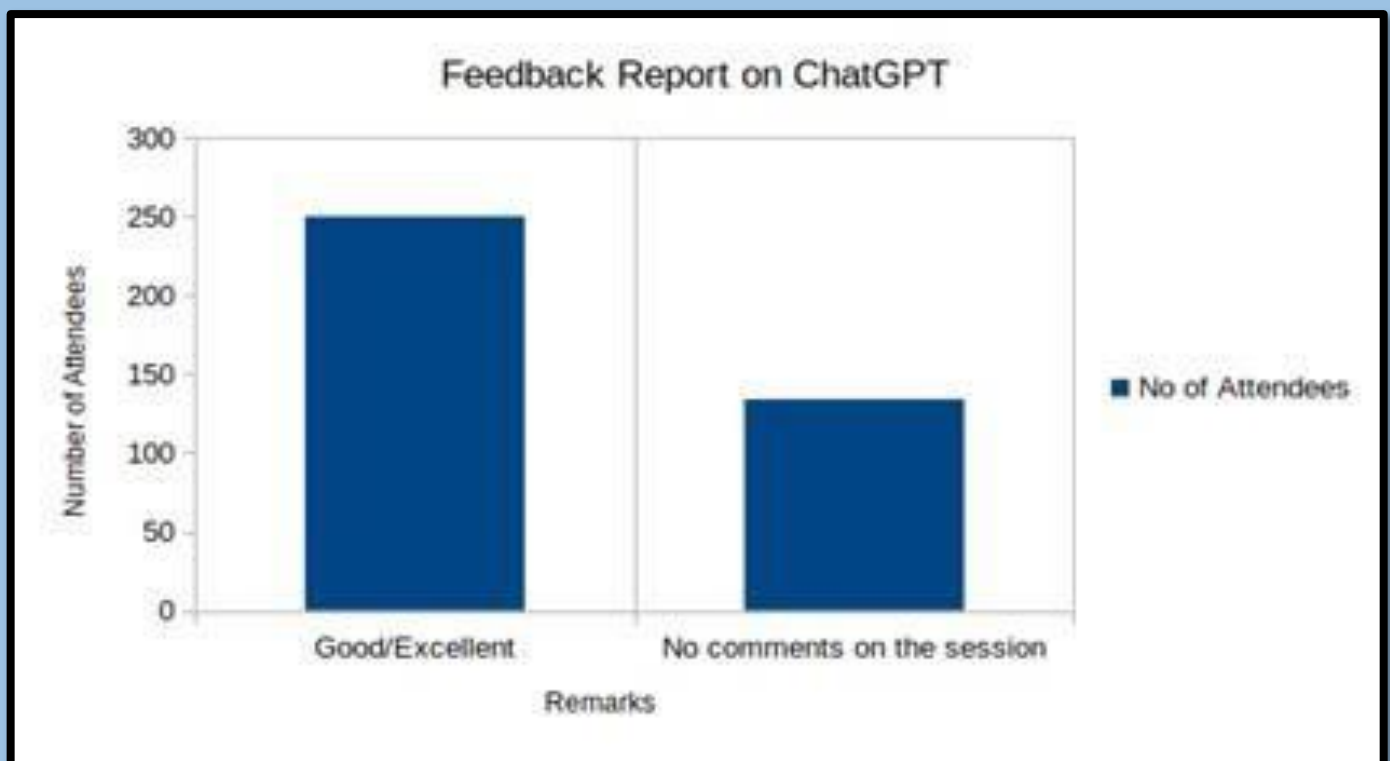
A Report On a Webinar on CHATGPT

The product-based IT companies have decided to hire only those fresh coders who have good knowledge and understanding of developing codes using ChatGPT. It will possibly be mandatory to have sound knowledge of how to use ChatGPT for coding to secure jobs in IT companies in near future.

Therefore, from Dept. of Computer Science and Engineering, JIS College of Engineering, West Bengal, conducted a webinar on “ChatGpt for Coding” in collaboration with CrackingItJob, on February 15, 2023, from 7:00 PM – 9:00 PM. Dr. Biplab Pal was our honourable chief speaker. He delivered a very informative lecture on ChatGPT. The Full session was conducted very well and smoothly. The full webinar is available in the below link.

YouTube Live Link- <https://youtube.com/live/>

We have received attendees' feedback also. The overall feedback report is good as stated in the below graph.



REPORT ON A ONE DAY WEBINAR ON “OPEN BANKING”

A webinar on “Open Banking” was organized by the Department of CSE, JIS College of Engineering from 7:40 pm onwards on 13th May, 2023.

Mr. Subhranil Mukherjee was invited as an eminent speaker.

More than 100 participants from faculty, researchers, and students' communities were present. The program was coordinated by Mr. Sumanta Chatterjee, president of the alumni association of Dept. of CSE and Ms. Trisha Bera, Assistant professor Dept. of CSE. The program started with the welcoming address by Mr. Sumanta Chatterjee, president of the alumni association of Dept. of CSE.

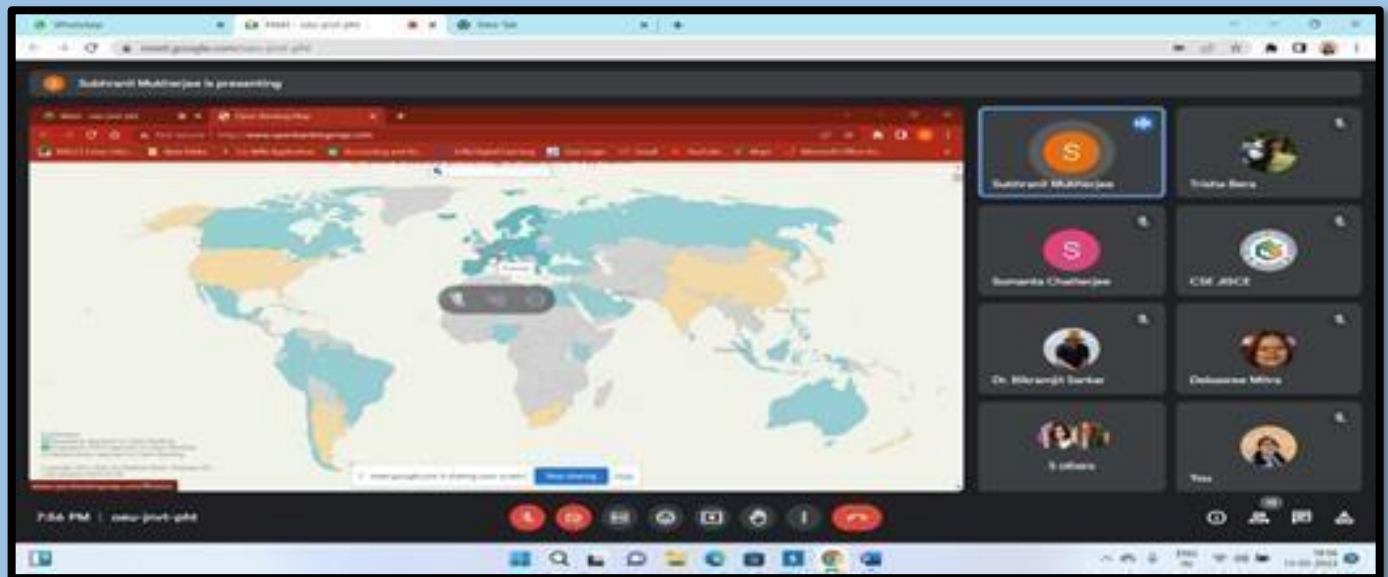
Mr. Subhranil Mukherjee is currently working as business development manager at TCS and also Alumnus (2013) of Dept. of CSE, JISCE.

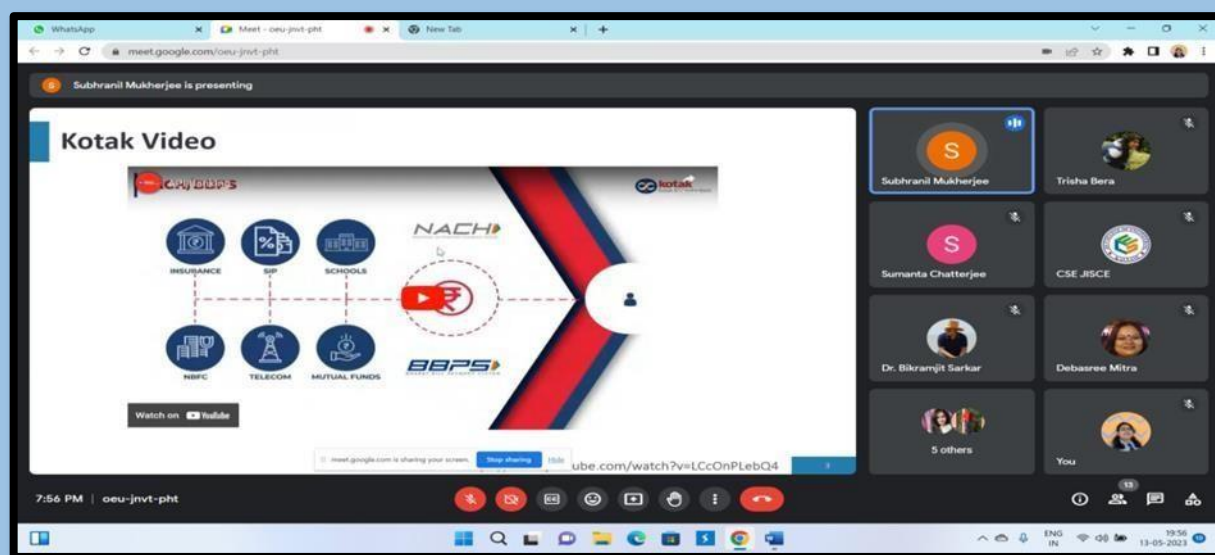
He explained everything by a small but very informative presentation. He explained everything about open banking, the evolution of open banking, and showed us a video of Kotak Mahindra Bank, bundling and unbundling, roles of bundling and unbundling, emerging forces shaping the future, the banking stack, Luz and the mortgage, how is banking as a platform, API economy, API strategy.

Also, there was a question-answer session where audience questions were asked and answered by the expert.

A small token of appreciation was conveyed to the speaker by respected assistant professor of Dept. of CSE Ms. Trisha Bera.

The program concluded with the vote of thanks given by respected assistant professor of Dept. of CSE Ms. Debashree Mitra.





REPORT ON ONE DAY WORKSHOP -MACHINE LEARNING & DATA SCIENCE WITH PYTHON

The department of Computer Science and Engineering, JISCE, organized a workshop, "One day workshop- Machine Learning & Data Science with Python " on 22.11.2023 at Room no. 218, JIS College of Engineering. Total 65 students attended the workshop. The speaker of the programme was Mr. Brijesh Kumar, Resource person LI-MAT Soft Solution. The session was very interesting to all the participants. The programme ended with a vote of thanks by HOD, CSE Dept.

Following faculty members of CSE department were engaged to organize the session successfully:

Convenor: Dr. Bikramjit Sarkar (HOD, CSE)

Coordinator: MS. Jayshree Bhattacharya

Organizer: Department of CSE

Ms. Debasree Mitra

Mr. Sumanta Chatterjee

Mr. Silpi Ghosh

Dr. Pranati Rakshit

Ms. Saswati Rakshit

Dr.Sitanath Biswas

Mr. Sanket Dan

Ms. Jaya Das

Dr. Ira Nath

Ms. Trisha Bera

Ms. Chandrima Sinha Roy



MENTORSHIP PROGRAM

**JIS College of Engineering
(An Autonomous Institution)
Department of Computer Science & Engineering
Mentorship Activities during July, 23 to Dec, 23**

Mentorship Activity-1

In the last Mentorship Review, the mentorship data collected from the mentors of the CSE department were reviewed and analyzed. The mentors have discussed Class Attendances, My Perfective, MAR/MOOCs, Coursera, Training, Projects etc. with their mentees during mentor-mentee meetings. Some students have issues regarding Internship, Coursera, Project Progress, Training etc. The following issues have been discussed in analyzing the mentorship data and the following decisions have been taken.

Issues:

1. Internship

Few students had not completed their mandatory internship till now. They were instructed to complete it positively in the coming semester.

2. Coursera

Few mentees had been informed that they were facing problem to complete their Coursera course. This problem is already solved now.

3. MyPerfectice

Few students have not joined/started the MyPerfectice test. All mentors are requested to submit the status of the defaulter mentees (i.e. No test taken till now or Not Attempted Yet, nearly 1 or 2 mentees per mentor) by the end of the week.

4. WhatsApp Group of Mentees

All mentors were asked to add mentees (1st year, 2nd year lateral and any other new mentee) in WhatsApp group.

5. Next Mentor-Mentee Meet (Offline)

The next mentor-mentee meet will be offline. All the mentors will meet with their mentees offline weekly and submit the mentorship report to the mentorship coordinator every week.

Mentorship Activity-2 (Regular Practice)

A sample notice for the mentorship meeting has been displayed in Fig2. Mentees meet with their mentors on a regular basis. The general issues of discussions are as follows:

- 1) Mentees will keep their attendance percentage more than 75%.
- 2) Mentees will join Coursera, NPTEL etc.
- 3) They will do different activities for MAR and MOOCs points.
- 4) They will do projects according to their requirements.
- 5) They will do various training viz. BCT, AWS, BLUE PRISM etc.
- 6) They will join MyPerfectice and their present level in MyPerfectice.
- 7) The placement related issues must be discussed with 3rd and 4th year mentees.
- 8) They will do various projects as per their expertise.

