DEPARTMANTAL REPORT FOR DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION (2023-2024)

The new session for the Department of Computer Science and Application started on a positive note with a grateful heart.

Activities

Thanks Giving Day

The IT club of the department organized an annual Thanks Giving Day on 3rd June, 2023. Thanks giving day has always been a very auspicious event in the Department. It was first initiated in the year 2018 by Mr. Prasanta Mangar (ITC animator) and today it has become a tradition. Ever year the IT club organizes the thanks giving day specifically for the graduating batch who have spent three years of their life in the department with numerous sweet and bitter memories. It is a moment to celebrate their stay in the department. The event is an opportunity to express gratitude to all the outgoing students and to thank them for their contribution to the department. The main focus of the event was to make the graduating students feel special as that would be their last day in the department. Certificates and mementos were distributed to all the students. Juniors sang songs and presented some dances for their seniors. There was an experience sharing session for the outgoing students where they shared their experiences in the department and the college. It was a formal good bye to the outgoing batch. The event ended with a vote of thanks from the president of the IT club, followed by a hearty lunch.

Orientation Program of newly admitted students

Following the continuous cycle of life, after a formal good bye to the third years it was time to welcome a fresh batch of first years. A Three-Day Orientation program was organized by the department of CSA starting from 2nd August, 2023 to 4th August, 2023. The three-day orientation program was designed to provide new students with a comprehensive understanding of their academic journey, departmental activities, club involvement, examination policies, and future prospects. The program aimed to foster a sense of belonging and ensure a smooth transition from school into their respective courses.

The first day started with a briefing of the department, introduction of the faculty members by the head of Department. The second day included two sessions; the first session was an overview of the BCA and CS Syllabus, detailed explanation of course structure and curriculum, idea about scholarship

programs, briefing on examination policies, including schedules and grading system. The second session was an introduction to the Information and Technology club and other extracurricular activities organized by the club like, outreach programs such as annual retreat, inter club competitions like, seminars, sketching, digital art, photography and board work. The third day of the orientation was a presentation on academic integrity and code of conduct, disciplinary actions on misconduct of any student and violation of rules. The second session of the day was an introduction to the department library and its resources Finally the orientation ended with a career guidance session explaining the future prospects in the field of Computer Application and Computer Science. A dedicated WhatsApp group was created to facilitate

seamless communication among teachers, students, and parents. This platform would serve as an efficient channel for announcements, queries, and updates.

Orientation program of Information Technology Club held on 28-08-23

On August 28, 2023, the IT Club successfully held its Orientation Program for the new academic year. The event aimed to welcome new students, provide an overview of the club's activities and goals, and introduce the newly elected board members.

The event kicked off with a warm welcome from the President, highlighting the club's mission to foster a collaborative and innovative environment for the new members.

Following this, the Coordinator of the IT club introduced the new board members, who shared their backgrounds and visions for the club. The session was interactive, allowing attendees to ask questions and engage with the leadership team. The IT Club's Orientation Program successfully introduced new students to the club, its activities, and its leadership, setting the stage for an exciting year ahead.

Teacher's Day Celebration

Teachers' Day has been celebrated annually on September 5th since 1962. This date was chosen to commemorate the birthday of Dr Sarvepalli Radhakrishnan, a prominent philosopher, scholar, and statesman who served as the first Vice President and the second President of India. Teachers' day Celebration is an annual event organized by the students of the department to show their love and gratitude towards the teachers. The event took place on the 5th of September, 2023. The day started with the

felicitation of the teachers by the traditional khadas and gifts. The host the day then inaugurated the program with a small welcome speech and an explanation about the importance of Teachers' Day. This was followed by the cake cutting ceremony by the teachers. The students of all the semesters participated with full enthusiasm. A beautiful poem was recited by a student of the 3rd semester. The were numerous dance performances with colourful costumes. The students of 1st semester demonstrated a breadth taking musical mash up. There were group songs and solo songs sung by students of all the semesters. The teachers appreciated all the performances and thoroughly enjoyed themselves. The event ended with a vote of thanks from the president of the IT club, followed by a thanks giving lunch.

Parents Teacher Meeting of 1st Semester students held on 20-09-23

A parents teacher meeting was held for the first semester students as the department was not able to meet the parents of the new batch during the orientation. It was a orientation for the parents to make them aware about the rules and regulations of the department and the progress of their ward. The parents showed full support and turned in with full enthusiasm. They had a lot of queries about the working of the department. The event was a very interactive one and produced fruitful results as the department could gather information about the students which could be used to further nurture them.

Students Seminar organized by Information Technology Club held on 23-09-23

The IT Club of St. Joseph's College organized an insightful seminar event focused on cutting-edge IT innovations. This intergroup competition witnessed the participation of four enthusiastic teams, each presenting on diverse topics that showcased the forefront of technology trends.
The different Participating Teams and their Topics were as follows:
1. Team Eagle 18 - Topic: Robotic Process Automation
2. Team Blackhats - Topic: Sustainable and Green Computing
3. Team Lightners - Topic: Augmented Reality and Virtual Reality
4. Team Mobo - Topic: 5G Technology

All four teams demonstrated a commendable level of research and presentation skills in their respective topics. Each team provided a comprehensive overview, delving into the technical intricacies, potential applications, and implications of
their chosen subjects. The IT Club's Seminar Competition proved to be a remarkable platform for the budding technophiles to showcase their proficiency and knowledge in the dynamic field of information technology. The event would not have been possible without the dedication and hard work of The IT Club and the active participation of the teams. We extend our heartiest congratulations to all the participating teams and look forward to witnessing more such intellectually stimulating events in the future.

Yearly retreat at Bungkulung (Mirik) held from 08-11-23 to 10-11-23

The IT Club held its annual retreat at Bungkulung from 8th November,2023 to 10th November, 2023, offering members a refreshing break from studies and a chance to bond with one another.

The activities during the retreat were as follows:

Tree Planting: First-semester students participated in tree planting activities as part of their Environmental Studies (EVS) project. This initiative not only contributed to environmental conservation but also fostered teamwork and

responsibility.

Riverside Visit: We enjoyed a relaxing visit to the riverside, where members engaged in leisure activities and appreciated the natural beauty of the surroundings.

Campfire: In the evenings, we gathered around a campfire, playing games and singing songs, which enhanced the camaraderie among members.

Experience Sharing: Final-year students shared their experiences in the college, the IT department, and their overall college life, providing valuable

insights and inspiration to the junior members.

The retreat was a perfect blend of relaxation, environmental contribution, and community building, leaving everyone refreshed and motivate

The yearly retreat at Bungkulung was a memorable and enriching experience for all IT Club members, strengthening bonds and creating lasting memories.

International Seminar on "Computational Technlogies-2023"(ISCT-2023) held on 25-11-23

St. Joseph's College, Darjeeling, witnessed a remarkable gathering of experts, academicians, Scientist, IT Professional, and students at the International Seminar on Computational Technologies (ISCT-2023) organized by the Department of Computer Science and Applications. Held at the MR Conference Hall, the event showcased cutting-edge advancements in intelligent systems, machine learning analytics, deep learning and emerging technologies.

The morning session kicked off with a lively panel discussion as a part of International Conference on Computational Technologies and Electronics (ICCTE-2023), followed by a captivating keynote address from the chairman of the seminar (ISCT-2023) **Prof. Samarjit Chakraborty**, Department of Computer Science University of North Carolina, USA. The seminar featured insightful presentations from distinguished speakers, including **Prof. J. K. Mandal**, Kalyani University, **Prof. Sudan Jha**, Kathmandu University, **Dr. Saroj Kr. Biswas**, NIT Silchar, **Dr. J.P Bharti**, Scientist (DRDO) and **Prof. Subarna Shakya**, Tribhvan University.

The Seminar also witnessed an active participation and support from the faculty members of North Bengal University Prof. Ranjit Kr. Samnta, Prof. Sarad Sinha, Prof. Ardhendu Mandal, Prof. Rakesh kr. Mandal, Prof. Anil Tudu and attendees from various colleges and universities from different Asian nations. The diverse range of topics covered software-defined networks to missile testing applications, provided attendees with a comprehensive understanding of the dynamic landscape of computational technologies. The attendees had a enriching and enlightening learning experience. The

event's success was not only attributed to the wealth of knowledge shared by esteemed speakers but also reflected the meticulous planning and coordination led by the dedicated organizing committee. The collaboration of active individuals and committees culminated in a well-organized and intellectually stimulating seminar that left a lasting impact on the academic community of St. Joseph's College and beyond.

Parents Teacher Meeting of 2nd Semester students held on 29-02-24

The Department of Computer Science and Application, St. Joseph's College organized a parent teacher meeting on 29th February, 2024. The meeting was conducted for all the 2nd Semester students from BCA and Computer Science. The meeting started at 10am in the seminar hall of the department where all the students and parents were briefed regarding the general rules of the college and the department. The parents were made aware of the evaluation pattern and the internal and external marks distribution, with the aim to help parents guide their ward. The Head of the Department supervised the event. The coordinator of the disciplinary committee explained all the rules that students are to follow in the college. The students and parents were also briefed regarding the Information and Technology Club of the department, its working and activities. After the general meeting all the students were divided into three groups to meet with teachers individually, each group was coordinated by two teachers. The 1st Semester results of the second semester students were also handed over to the parents during the meeting. Declaration forms of all the students were collected and phone numbers of all the parents were collected to add them into the parent teacher WhatsApp group. The event was a very fruitful one.

ACHIEVEMENTS

- Award for Academic Excellence

Miss Aroma Chettri, student of BCA fifth semester received "The Best Student Award" for the year 2023, given by Nature Science Foundation, Coimbatore (An authorised agency of UGC, New Delhi).

The award was presented to only one student from the whole college for academic excellence and active participation in college activities.

- **Mr. Praveen Mukhia Titimus** attended the NEP 2020 Orientation and Sensitization programme from MM-TTP of UGC oraganized by University of North Bengal from 15th January-23rd January,2024
- **Mr. Jayanta Loha** attended the NEP 2020 Orientation and Sensitization programme from MM-TTP of UGC oraganized by University of North Bengal from 15th March-23rd March,2024
- **Mr. Prasanta Mangar** attended the NEP 2020 Orientation and Sensitization programme from MM-TTP of UGC oraganized by University of North Bengal from 15th March-23rd March,2024
- **Ms. Pranita Mukhia** attended the NEP 2020 Orientation and Sensitization programme from MM-TTP of UGC oraganized by University of North Bengal from 15th March-23rd March,2024
- **Mr. Praveen Mukhia Titimus** participated the training program on Importance of AI in Education on 27th March,2024 Organized by the International centre of Excellence for DS,AI, & FT ,Higher Education Department,Government of West Bengal,Quantum Learning & Microsoft(TSP)
- **Mr. Jayanta Loha** participated the training program on Importance of AI in Education on 27th March,2024 Organized by the International centre of Excellence for DS,AI, & FT ,Higher Education Department,Government of West Bengal,Quantum Learning & Microsoft(TSP)
- **Mr. Prasanta Mangar** participated the training program on Importance of AI in Education on 27th March,2024 Organized by the International centre of Excellence for DS,AI, & FT ,Higher Education Department,Government of West Bengal,Quantum Learning & Microsoft(TSP)