Department of Computer Science and Application

1. Name of staff members

Photo	Photo	Photo	Photo
Mr. Jayanta Loha (Assistant professor)	Mr. Praveen Mukhia Titimus (Assistant professor)	Mr. Prasanta Mangar (Assistant professor)	Mr. Pravat Mukhia Titus (Assistant professor)
Photo	Photo		
Miss. Pranita Mukhia (Assistant professor)	Mrs. Swetna Rai (Assistant professor)		

2. Number of students

Number of students admitted (2022-23)	61
Number of students passed out (2022-23)	42

3. Name of the students (previous years) progressing to higher studies/ qualified (GRE/TOEFL/NET/ SLET/ GATE/ SSC/ WBCS/ UPSC etc) /employed (if any):**NA**

Sl. No.	Name of students	Exam passed/ Employed	Year

4. Awards received by any staffs or students (if any) **:NA**

Name	Awards	Awards received from:

5. Details of FDP (OP / RC/ STC) attended by the faculty members: **NA**

Sl. No.	Name	(OP / RC/ STC)	Title and duration

6. Details of Research Project sanctioned / running/ completed by the faculty members: **NA**

Name of Supervisor (Co-Supervisor)	Name of the Project	Funding agency (Write self if it s not funded by any other)	Name of scholar	Sanctioned on/ Running From/ Completed on

7. Name(s) of the faculty members awarded M.Phil / Ph.D. : **NA**

Name	M.Phil. / Ph.D.

8. Research papers of all the faculty members of the department published during the academic year (July to June) with doi: **NA**

Authors (Bold font for the author from the department)	Title of paper	Name of Journal,	ISBN/ISSN, Year, Vol, page	doi(give a spacebar after the number)

9. Books / Chapter(s) in books with ISBN number: **NA**

Authors (Bold font for the author from the department)	Name of Book	Title of the chapter	ISBN/ISSN, Year,	Publisher	doi (give a spacebar after the number) if available

10. Paper presentation by the faculty members in Seminars / invited lectures etc.: **NA**

Authors (Bold font for the author from the department)	Title of the paper	Title of the Seminar	Organized/Sponsored by	Date

11. Collaborative activities **with other Institutions** for research, Faculty exchange, Student exchange/internship during the year (if any): **NA**

Name of the Programme	In collaboration of:	Number of teachers and students involved	Date

12. Upgradation of the department (if any).: **NA**

Particulars	Model	Room No.	Date
LCD			
Computer			
Books			
Any other			

13. Name(s) of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year (if any): **NA**

Name of students	Career counselling agency	Date

14. Details of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year (if any): **NA**

Sl. No.	Name of students	Award	Event organized by	Date

15. Details of project work/field work/internship during the year if any. (Mandatory fields: Title, Place, Date, Number of Students, Name of the teacher(s) involved, Geotagged photographs with caption (not more than three), Outcome of the programme.**(If the department has organized more than one activity please copy the following table and fill that separately)**

Name of the activity: "**Har Ghar Tiranga" -Azadi ka Amrit Mahotsav**
Venue: Department
Date & Time: 15th August, 2022 (10.00 a.m)
No. of Students involved (Semester-wise) 20 (Semester V)
Name of teacher(s) involved: 1. Mr. Jayanta Loha 2. Mr. Praveen Mukhia Titimus 3. Mr. Prasanta Mangar 4. Mr. Pravat Mukhia Titus 5. Miss. Pranita Mukhia 6. Mrs. Swetna Rai
Details of Activity carried out: On Independence day, the Department of Computer Science and Application organized a small program in the Department, after whichthe national flag was hosted, followed by the refreshment with the faculty members and the students.
Geotagged photographs with caption (not more than 3)
Outcome of the activity: Awareness about the importance of Independence day and a brief knowledge about the history of our nation.

Name of the activity: **Retreat and EVS Field Trip**
Venue: Bunkulung, Mirik
Date & Time: 27th September to 29th September, 2022
No. of Students involved (Semester-wise): 135 (Semester I, II and V)
Name of teacher(s) involved: 1. Mr. Jayanta Loha   2. Mr. Praveen Mukhia Titimus   3. Mr. Prasanta Mangar   4. Mr. Pravat Mukhia Titus   5. Miss. Pranita Mukhia   6. Mrs. Swetna Rai
Details of Activity carried out: A departmental retreat and EVS field trip was organised by the department of Computer Science and Application, St Joseph's College, Darjeeling. The retreat along with the EVS survey and field trip is an annual event in which students and the faculty members go out camping. The theme of the retreat was " Having time for silence" .This year the department went to Bunkulung, Mirik for three days, two nights from 27th September, 2022 to 29th September, 2022 with 135students and 5 Faculty. The main motive behind the event is environmental awareness and bonding with the students. The event started with the EVS field trip where students planted 75 tree saplings in Bunkulung forest area. The saplings for the program was provided by the forest department. Following tree plantation, there was a survey on the environmental issues of the areas in and around Bunkulung. In the three day event students cleaned the area and build eco bricks from the non degradable wastes. They demonstrated the process to the villages in and around the camp so that people can follow such environment friendly ways of reusing waste.
Geotagged photographs with caption (not more than 3)
Outcome of the activity: General awareness about the environment and its safety. Bonding among students and improvement in student teacher relationship.

Name of the activity: **Cleanliness Drive**
Venue: CSA Department
Date & Time: 1st September, 2022 (10.00 a.m to 1.00 p.m)
No. of Students involved (Semester-wise): 30 (Semester I)
Name of teacher(s) involved: 1. Mr. Pravat Mukhia Titus 2. Miss. Pranita Mukhia 3. Mrs. Swetna Rai
Details of Activity carried out: In order to instill a sense of belongingness among students, a cleanliness drive was organized by the department. The students with full enthusiasm cleaned the entire department.
Geotagged photographs with caption (not more than 3)
Outcome of the activity: Awareness among students regarding basic civic sense.

Name of the activity: **Cyber Crime Awareness Campaign**
Venue: Campion Hall, St. Joseph's College, Darjeeling
Date & Time: 4th November, 2022
No. of Students involved (Semester-wise): 500
Name of teacher(s) involved: 1. Mr. Jayanta Loha 2. Mr. Praveen Mukhia Titimus 3. Mr. Prasanta Mangar 4. Mr. Pravat Mukhia Titus 5. Miss. Pranita Mukhia 6. Mrs. Swetna Rai
Geotagged photographs with caption (not more than 3)

सन्त जोसेफ कलेजमा साइबर क्राइम सचेतना कार्यक्रम

Outcome of the activity: Creating awareness among students as well as faculty members regarding the trending cyber crimes taking place in and around them and educating them on how to deal with such frauds.

Name of the activity: **National Seminar on IT Awarness by Mr Mussa Meher-Tinkur Hub (Founder, CEO),Kerala**
Venue: MR Conference Hall, St. Joseph's College, Darjeeling
Date & Time: 21st February, 2023
No. of Students involved (Semester-wise): 70 (From all semesters)
Name of teacher(s) involved: 1. Mr. Jayanta Loha 2. Mr. Praveen Mukhia Titimus 3. Mr. Prasanta Mangar
Details of the activity carried out: Information technology (IT) is entailing the study and application of computers and any type of telecommunications that store, study, retrieve, transmit, manipulate data and send information. Information technology is involving a combination of hardware and software that is used to perform the significant tasks that people need and use on an everyday basis. The department of computer science and application once again provided the opportunity to all those who are looking for IT career,

through one day seminar – "IT awareness program". Where students were taught and informed about the necessity of Information Technology and how and why it's really important in terms of Career.   Resource persons Mr. Mussa Meher-Tinkur Hub (Founder, CEO) also talked about the importance of further studies and encouraged the students in the field of IT. The number of student participants turned up for the program was about 70, which was held in MR Conference Hall. In terms of career opportunities the list of the best IT courses was given priority that can help one to jump ahead in those fields: 1. Data Science 2. Big Data 3. Artificial Intelligence and Machine Learning 4. Cloud Computing 5. Project Management 6. Business Intelligence 7. Networking 8. Software Development 9. DevOps 10. Cyber Security 11. Digital Marketing 12. CISSP 13. ITIL Program was fruitful as expected.

Geotagged photographs with caption (not more than 3)

Outcome of the activity:

Name of the activity: **Waste Management Seminar–Be The Change**
Venue: Conference Hall, St. Joseph's College, Darjeeling
Date & Time: 6th March, 2023
No. of Students involved (Semester-wise): 100 (Semester IV and VI)
Name of teacher(s) involved: 1. Mr. Jayanta Loha 2. Mr. Praveen Mukhia Titimus 3. Mr. Pravat Mukhia Titus 4. Miss. Pranita Mukhia
Details of Activity carried out: Waste management is an important part of the urban infrastructure, as it ensures the protection of the environment and of human health. It is not only a technical environmental issue, but also a highly political one. Waste management is closely related to a number of issues such as urban lifestyle, resource consumption patterns,

jobs and income levels, and other socio-economic and cultural factors. Lately there has been a trend to enlarge the scope of waste management and include it within the larger concept of resource management. Today, waste management must be seen in its full context. It cannot be solved with merely technical end-of-pipe solutions. When we employ a long-term waste management strategy to ensure sustainable development, this will not only affect a number of different dimensions; there are also different levels of decision-making and action involved. Decision-making and action take place at various levels – nationwide, regional, local and finally in households. All aspects and all actors must be considered when we develop a waste management system and implement it in daily life. Keeping these views, Department of Computer Science and Application had organized a seminar on Waste Management titled –"Be the Change" on 6th March, 2023 in St. Joseph's College premises.

Resource Person of the Seminar was Miss Brinda Dewan whose professional experience is as follows –

☐ Wildlife Conservation Nepal, Nepal Prakriti Pathshala (NPP),Nature Interpreter, Kathmandu, Nepal

☐ Doko Recyclers Pvt. Ltd. Urban Waste Manager, Kathmandu, Nepal

☐ Thorne Nature Experience, Summer Environmental Educator, Boulder, Colorado

☐ Eco-Cycle Inc.,Environmental Educator, Boulder, Colorado

☐ Department of Environmental Education, University of Minnesota, Duluth

☐ Teaching Assistant, Duluth, Minnesota

☐ Office of Sustainability, University of Minnesota, Duluth Education Assistant, Duluth, Minnesota

☐ University of Minnesota, Duluth Graduate Mentor, Duluth, Minnesota

☐ Wolf Ridge Environmental Learning Center, Summer Naturalist, Finland, Minnesota

☐ Wildlife Conservation Nepal, Nepal Prakriti Pathshala, Nature Interpreter, Kathmandu, Nepal RESEARCH

☐ Nepalese Teachers' Perceptions regarding Experience-Based Learning in Environmental Education- MEEd Dissertation (University of Minnesota, US)

☐ Physico-Chemical Study of Bagmati river and Riverside Flora- MSc Dissertation (Tribhuvan University, Nepal) PUBLICATIONS

☐ Brooklyn Park Recreation And Parks Department Long-Range Management Plan For A Nature Playscape Project & The Health Benefits Of Nature- (City of Brooklyn Park, Minnesota) -Co-author

☐ Water- The Drop of Life- Teachers Manual (Nepal Prakriti Pathshala) – Co-author

☐ Understanding Trees Better- Teachers Manual (Nepal Prakriti Pathshala) – Co-author

☐ Learning About Plants and Animals – An Activity Guide (Nepal Prakriti Pathshala) - Coauthor

☐ Learning About the Environment– An Activity Guide (Nepal Prakriti Pathshala) – Coauthor

☐ Learning About Waste – An Activity Guide (Nepal Prakriti Pathshala) – Co-author

☐ Being a Naturalist – An Activity Guide (Nepal Prakriti Pathshala) – Co-author

Vice Principal- Father Binoy Xavier gave the opening speech. The number of students were about 100 (attended according to hall capcity). The program was headed by Asst. Professor Pravat Mukhia Titus, Department of computer Science and Application.

Geotagged photographs with caption (not more than 3)

Outcome of the activity: Awareness about environmental degradation and measures to protect the environment. Formation of a club to spread awareness among school students as well.

Name of the activity**: Technophilia - Inter-College Students Event**
Venue: Conference Hall, St. Joseph's College, Darjeeling
Date & Time: 25th of March, 2023 (10.00 a.m onwards)
No. of Students involved (Semester-wise): 100 (From all semesters)

Name of teacher(s) involved:
1. Mr. Jayanta Loha
2. Mr. Praveen Mukhia Titimus
3. Mr. Prasanta Mangar
4. Mr. Pravat Mukhia Titus
5. Miss. Pranita Mukhia
6. Mrs. Swetna Rai

Details of Activity carried out:

In this day and age of progression, one must stay aware of various trends and cycles that are so relevant. One must even be more aware of the technological advancements, keeping pace with the modern innovation of the brightest minds. This was the very reason that the Information Technology Club, Department of Computer Science and Application, St Joseph's College, Darjeeling took the initiative to host a major event, Technophilia. The Technophilia competition was held on the 25th of March, 2023 and was attended by students from various colleges, namely Cluny Women's College, Inspiria Knowledge Campus, North Bengal St Xavier's College, Salesian College Sonada and our very own St Joseph's College, Darjeeling. There were 37 participants for various event. The event aimed to provide a platform for students to showcase their technical skills and creativity, as well as to be a display of modern innovation. The highlight of the event was the presentation seminar, where participants had to deliver presentations on various technical topics that had major relevance in the world today. Some of these topics were the Unified Payment Interface (UPI), 3D Internet, Hololens, Web Security and the Brain Chip. The presentations were judged based on their content, delivery, and relevance to the given topic. The seminar was well-attended, and participants demonstrated excellent presentation skills and technical knowledge. The North Bengal St. Xavier's College stood as the victor of the seminar competition, while Poojan Lama of Salesian College was titledthe Best Speaker of the day. In addition to the presentation seminar, the competition also had other events such as a debugging competition, a logo design competition, and a sketch competition. The debugging competition required participants to solve programming errors which consisted of 6 levels. Solving the first level allowed the participants to progress further, while the logo design competition focused on designing a logo forvarious famous companies and reimagining them if they sought to provide different products altogether. The sketch competition challenged participants to showcase their artistic skills by sketching various cartoon characters as cyborgs. St Joseph's College claimed first place in the Debugging Competition and the Logo Design Competition, while Cluny Women's College held the foremost position in the Sketch Competition.The competition was judged by a panel of experts, consisting of the teaching staff of the various participating colleges, who evaluated participants based on their skills, creativity, and innovation.

       The winners of the various events were awarded prizes and certificates, as St Joseph's College walked away that day, claiming the prize as the overall winner of the competition.   Overall, the Technophilia Inter-College competition was a success, and participants gained valuable experience and exposure to the latest technologies and trends in the IT industry. The event provided a platform for students to network with various peers, fostering a sense of community and collaboration. We look forward to hosting similar events in the future and providing students with opportunities to showcase their talents and creativity.

Geotagged photographs with caption (not more than 3)

Outcome of the activity: Students were encouraged to speak up and face a crowd. There was a bonding and sharing of experiences among the students of different colleges.

Name of the activity**: Technophilia - Inter-College Students Event**
Venue: Conference Hall, St. Joseph's College, Darjeeling
Date & Time: 2nd April, 2023
No. of Students involved (Semester-wise): 16 (From all semesters)
Name of teacher(s) involved: 1. Mr. Jayanta Loha   2. Mr. Praveen Mukhia Titimus   3. Mrs. Swetna Rai
Details of the event: On the 2nd of April 2023, a group of 16 students and 3 faculty members from Dept of Computer Science and Application,St. Joseph's College,Darjeeling visited Nicco Park in Kolkata. The purpose of the visit was to provide an opportunity for students to learn and experience the fun and adventure of amusement parks. The visit was a part of our college extracurricular activities program. Activities and Attractions: Upon arrival, the students were welcomed by the staff and given a brief introduction to the park's attractions and safety measures. The students were then free to explore the park and experience the various rides and attractions.   Some of the popular attractions included: 1. Cyclone - A thrilling roller coaster ride with a maximum height of 55 feet.   2. Water Chute - A water ride that provides a refreshing break from the heat.   3. Pirate Ship - A ride that swings back and forth in a pendulum motion.   4. Cable Car - A cable car that provides a bird's eye view of the entire park.

Apart from these rides, there were various other attractions such as mirror mazes, haunted houses, and several other fun-filled games and activities. Overall Experience: The students thoroughly enjoyed their visit to Nicco Park. The rides and attractions provided a great mix of excitement and adventure. The park's staff was courteous and helpful in ensuring the safety of the students. The students appreciated the park's cleanliness and the well-maintained attractions.   Conclusion: The visit to Nicco Park was a great experience for the students. It not only provided a fun-filled day but also helped them in understanding the importance of safety and rules while having fun. Such visits are an essential part of a student's overall development and help in creating memorable experiences.

Geotagged photographs with caption (not more than 3)

Outcome of the activity: The student outreach program was a new experience for the students to explore thing beyond their books.

Name of the activity**: Student exchange program at Barrackpore Rastraguru Surendranath College**

Venue: Barrackpore Rastraguru Surendranath College

Date & Time: 2nd to 5th April, 2023

No. of Students involved (Semester-wise): 16 (From all semesters)

Name of teacher(s) involved:
1. Mr. Jayanta Loha
2. Mr. Praveen Mukhia Titimus
3. Mrs. Swetna Rai

Details of the event:
    The student exchange program at Barrackpore Rastraguru Surendranath College with St.Joseph's College, Darjeeling. The Student Exchange Program at Barrackpore Rastraguru Surendranath College was a Fourday event organized on the 2nd-5th of April 2023.Total 16 Students from BCA-II,IV and VI Semester and Three Faculty Members were participated in this Program. The program was aimed at providing an opportunity for students from St. Joseph's College to interact with the students and faculty of BRSNC, and to participate in various academic and extracurricular activities. Day 1, Monday (3rd April 2023) The Student Exchange Program at Barrackpore Rastraguru Surendranath College was held from 2nd-5th April 2023. The session was attended by the three faculty and sixteen students of St. Joseph's College, along with the faculty and students of BRSNC. The inaugural

session started with the watering of plants and spreading the green message, which was aimed at promoting environmental awareness among the participants. This was followed by an opening song, which added to the festive atmosphere of the event. We were then felicitated by IQAC Coordinator along with the Principal of BRSNC. The students from St. Joseph's College were welcomed by the Principal of BRSNC with souvenier, and a brief introduction of the BRSNC was provided by the coordinator of the Internal Quality Assurance Cell (IQAC). The Honorable Principal of BRSNC then gave the welcome address, expressing his delight in welcoming the faculties and students from St. Joseph's College and highlighting the importance of such exchange programs in promoting academic and cultural exchange. The address was inspiring and motivating for the participants. A special lecture session was conducted during exchange program Lecture1 from 12 Noon – 12:20 PM Speaker: Mr. Jayanta Loha (Assistant Professor & HOD, Dept. of Computer Science & Application, St. Joseph's College) Topic: LI- FI Technology. Lecture2 from 12:20 PM – 12:40 PM Speaker: Dr. Ishita De Ghosh (Associate Professor, Dept. of Computer Science, BRSNC) Topic: Image Processing Lecture 3: 12:40 PM – 1:00 PM Speaker: Mr. Praveen MukihaTitimus (Assistant Professor, Dept. of Computer Science & Application, St. Joseph's College) Topic: Information Security and Cyber Hygiene Lecture 4: 1:00 PM – 1:20 PM Speaker: Dr. Payal Biswas (Assistant Professor, Dept. of Computer Science, BRSNC) Topic: Artificial Intelligence. After the special lecture we all had a delicious Bengali style Lunch at BRSNC college canteen. Post Lunch Session the we have move to venue 85, Middle Road Campus, Room No. 107, which included a hands-on training session on LaTex by Dr. Sukalyan Som, Dr. Anirban Chakraborty, and Mr. Subhajit Guha faculty from BRSNC for our students. Our students got the opportunity to learn new subject. Following the training, an extempore competition was organized for the students. Aishma Rai BCA-IV Semester students of our college on the 1st runner up trophy. The day event was concluded around 5PM in the evening and we have returned to our respective hostels. Day 2, Tuesday (4th April 2023) On day 2 we have moved to the venue 6, Riverside Road Campus, Bibhuti Bhushan Hall, which is the second campus of BRSNC. The day started with an Awareness Program on Gender Sensitization organized by the NSS Subcommittee of BRSNC. The program aimed to sensitize the participants about gender equality and promote the empowerment of women in society. The session was informative and interactive, with the participants engaging in discussions and activities. Following that one of our faculty member Mr.Praveen Mukhia Titimus, Assistant Professor, Dept. of Computer Sc. & Application, St.Josepsh's College, Darjeeling was given an opportunity to share about the Nepali culture and tradition. He shared about the one of the most significant and recognizable aspects of Nepali culture is its traditional clothing. After the speech, a chess competition was organized for boys and a badminton competition for girls. The competitions were exciting and competitive, with the participants displaying their skills and sportsmanship. A lunch break was provided, followed by a cultural program that showcased the cultural diversity of the participants. The program included traditional dances, songs, and other performances, which were appreciated by the audience. The valedictory session was held in the afternoon, during which the certificates were distributed to the participants. The session was attended by the faculty and students of both colleges, and it marked the end of a successful exchange program. The students then had an opportunity to interact with each other and share their experiences and feedback about the program. This session provided a platform for the students to learn from each other and develop lasting friendships.

The day event was concluded around 6:00 PM in the evening and we have returned to our respective hostels. The days we have spent in the Barrackpore Rastraguru Surendranath College will be cherished forever by the faculties and students.

Geotagged photographs with caption (not more than 3)

Barrackpore, West Bengal, India
Mangal Pandey Park Cantonment Board, Barrack Rd,
Cantonment, Barrackpore, West Bengal 700120, India
Lat 22.764763°
Long 88.356742°
03/04/23 02:44 PM GMT +05:30

Barrackpore, West Bengal, India
Mangal Pandey Park Cantonment Board, Barrack Rd,
Cantonment, Barrackpore, West Bengal 700120, India
Lat 22.764763°
Long 88.356742°
03/04/23 02:48 PM GMT +05:30

Outcome of the activity: Students were encouraged to interact with each other and share their experiences. It was an enriching experience for the students.

Name of the activity**: Students Exchange Program with THK JAIN College,Kolkata**

Venue: Conference Hall, St. Joseph's College, Darjeeling

Date & Time: 11th April, 2023 -12th April,2023 (10.00 a.m onwards)

No. of Students involved (Semester-wise): 80 (St. Joseph's College)
20 (THK Jain College)

Name of teacher(s) involved:

1. Mr. Jayanta Loha
2. Mr. Praveen Mukhia Titimus
3. Mr. Prasanta Mangar
4. Mr. Pravat Mukhia Titus
5. Miss. Pranita Mukhia
6. Mrs. Swetna Rai
7. Three faculty members from THK Jain College

Details of Activity carried out:

On 11th April, 2023, Computer Science and Application Department successfully organized a two days student exchange program where students of THK Jain College, Kolkata were invited to spend time in St. Joseph's College, Darjeeling. The event was supposed to start at 10 am but due to traffic and other inconveniences it was delayed and the actual program started at 12 pm instead. The first day was the Welcome Program where students of THK Jain College were welcomed to our college by the department of CSA. The host for the program was Ms. Sahitya Gurung. The program took off by the guest faculty and HOD Asst. Prof Jayanta Loha watering the plant to spread the green message.

The guests were felicitated and welcomed by Sir Jayanta, followed by a brief introduction of the college by IQAC Coordinator Dr. Anirudra Gurung. The first session was on the topic Cyber Hygiene and Information Security taken by Asst. Prof. Mr. Praveen Mukhia of St. Joseph's College. In this session, the students as well as the faculty were informed on the need of cyber awareness and how vulnerable one's privacy in the world of internet is. Sir Praveen gave information on how to keep our data secured and how to safeguard ourselves while surfing the net.

The second session was taken by a guest professor of THK Jain college on the topic of Microcontrollers where students were taught on the various types of microcontrollers and its uses. The third session was conducted by Asst. Prof. Mr. Pravat Titus Mukhia where he gave a motivational speech about life and hardships. He gave the students an analogy for how it had to be broken down and shaped to be used by David to take down Goliath. He also talked about two lives of an eagle, how at the end of its life, the old eagle goes to a top of a mountain and starts to break its beak, plucks all its feathers to come a new with new beak, strong talons and young feathers. It goes through a painful process to come out as a young bird. The fourth session was taken by a guest faculty from THK Jain College, where in formed the students on ERP systems.

After lunch, the students of THK Jain college were taken to Lab 1 for a hands-on session on Assembly Language taken by Asst. Prof. Ms Pranita Mukhia. In this session, she taught the students on the difference between microprocessors and microcontrollers and gave a practical demonstration on how microcontrollers work along with execution of the assembly code with 8085 simulator.

After this session, the students of THK Jain college were led to CSA seminar hall for Fun and Games session, led by Mr. Praveen Titimus and his volunteers, about 4 games were played for fun.

After games the students were led to Campion Hall for a small cultural program where students from both colleges danced, sang and recited poems.

The first day concluded with Thanksgiving and tea and snacks, with a roll down of a routine

forthenextdaybyMs.SahityaGurung.
SecondDay:
Theseconddaybeganalittlelatethanplannedduetotrafficandotherinconveniences.The firstsessionwastakenoverbytheHODMrJayantaandMrPrasantaMangarwherethe studentsoftheTHKJaincollegeweregivenatourofthedepartment.
Thensportssessionbeganwherethestudentsofboththecollegescompetedinfriendly games.Thegamesthatwereplayedincluded: 1.Chess: ItwascoordinatedbyMr.FrankBranoGomesandMrMuhammadKaif,twoplayersfrom eachcollegeplayedwitheachother.
Theplayerslistinclude St.Joseph'sCollege a.Mr.SahilRajak b.Mr.MdTauqil THKJainCollege a.Nanab.Nana2.Basketball 3.Badminton 4.CarromBoard AfterSports,thestudentsdispatchedforlunchafterwhichtheyheadedtoCampionHallforthe TalentShowconductedbyMrPravatTitusMukhia.
Theseconddayendedwiththedistributionofmementoesandtokenofappreciationforthe studentsandfacultymembersofTHKJainCollegerespectivelybySFCDirectorFr.C. PragasanSJ,alongwithavoteofthanksbyMs.SwetnaRai.

Geotagged photographs with caption (not more than 3)

Outcome of the activity: An enriching experience for the students to showcase their talents and an opportunity to face their fear of public speaking.

Name of the activity**: Waste Management Volunteer Training program**
Venue: Seminar Hall, Department of CSA, St. Joseph's College, Darjeeling
Date & Time: 18th April, 2023 (10.00 a.m onwards)
No. of Students involved (Semester-wise): 100 (From all semesters)
Name of teacher(s) involved: 1. Mr. Jayanta Loha 2. Mr. Pravat Mukhia Titus
Details of the event: Dealing with waste has become an increasing concern nowadays, since it affects people's life quality by impacting the health, it affects the aesthetics, it jeopardizes the ecosystems and in general, it negatively impacts the environmental sustainability. Domestic waste (generated by individuals) and commercial and industrial waste represent a quotidian aspect that authorities are aiming to handle, either through applying laws and guidelines for maintaining healthy and clean cities and villages, either by applying various technologies for actually managing the waste disposals. And the processes and technologies used to manage the various types of waste differ depending on the waste and depending on the country that is managing it. As such, while the developing countries still use public waste dumps for depositing the waste, which continues to affect people's health and to impact the environment. We all want a healthy community, a peaceful place where people live and work together in harmony. We all have ideas about how to make that happen. The big question is, who will make that happen? Volunteers can. Volunteers are necessary and extremely helpful for a healthy community. People from all walks of life donate their time and effort to various causes, day and night, every day of the year. In a human services setting, agency clients and program participants usually can't distinguish between volunteers and paid staff, unless nametags make those designations. The more connected to a community people feel, the more likely they are to take responsibility for the community and feel pride and a sense of commitment. Mobilizing community

resources and expanding capacity through volunteers also enhance an organization's general profile, which can attract more volunteers and program participants. Keeping this all in view, on 18th April, 2023 Department of computer Science and application, St. Joseph's College, Darjeeling organized a hand on practice program on waste management program with about 26 student volunteers from four different departments, they are 1. Department of Computer Science and Application 2. Department of Botany 3. Department of Zoology 4. Department of Microbiology Program coordinator was Asst. Professor Pravat Mukhia Titus, dept of Computer Science and Application and the resource persons were Miss Brinda Dewan, Mrs Sarita Dewan and Mr Roha Shrestha (NEPAL)

Geotagged photographs with caption (not more than 3)

Outcome of the activity: Students were encouraged to engage in leadership roles thus helping them boost their confidence. Environmental awareness was another major lesson that was showcased.

Name of the activity: **Parent-Teacher Meeting**
Venue: Seminar Hall, Department of CSA, St. Joseph's College, Darjeeling
Date & Time: 27th April, 2023 (10.00 a.m onwards)
No. of Students involved (Semester-wise): 75 (Students) 53 (Parents) 4th and 6th Semester (BCA II-48, CS II-13, BCA IV-06, CS IV-02, BCA VI-06).
Name of teacher(s) involved: 1. Mr. Jayanta Loha 2. Mr. Praveen Mukhia Titimus 3. Mr. Prasanta Mangar 4. Mr. Pravat Mukhia Titus 5. Miss. Pranita Mukhia 6. Mrs. Swetna Rai
Details of Activity carried out: The Department of Computer Science and Application, St. Joseph's College organized a parent teacher meeting on 27th of April, 2023. The meeting was

conducted for all the 2ndSemester students and selected students from 4th and 6th Semester (BCA II-48, CS II-13, BCA IV-06, CS IV-02, BCA VI-06). The meeting started at 10am in the seminar hall of the department where all the students and parents were briefed regardingthe 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.Mr. Jayanta Loha, Head of the Department supervised the event. Mr. Pravat Mukhia Titus as the coordinator of the disciplinary committee explained all the rules that students are to follow in the college. Mr. Prasanta Mangar, briefed the students and the parents 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.

Geotagged photographs with caption (not more than 3)

Outcome of the activity: Getting to know the students as well as the parents better for ease of communication.

Name of the activity**: Annual Thanks Giving Day**
Venue: Seminar Hall, Department of CSA, St. Joseph's College, Darjeeling
Date & Time: 3rd June, 2023 (10.00 a.m onwards)
No. of Students involved (Semester-wise): 150 (From all semesters)
Name of teacher(s) involved: 1. Mr. Jayanta Loha 2. Mr. Praveen Mukhia Titimus 3. Mr. Prasanta Mangar 4. Mr. Pravat Mukhia Titus 5. Miss. Pranita Mukhia 6. Mrs. Swetna Rai
Details of Activity carried out: Thanks giving day is a very auspicious event in the Department of Computer Science and Application. It was initiated in the year 2018 by Mr. Prasanta Mangar (Asst. Professor, Department of CSAand ITC animator) and today it has become more of 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. In the department of Computer Science and Application, everyone believes in growing together, it is not only students who are growing but the teachers are also growing along with them. This day is a celebration to the fact that despite facing so many problems, health issues, depression, family losses and what not, young students have overcome all this with a lot courage, it is an inspiration to see how young girls and guys can be so strong. This year the event took place on the 3rd of June, 2023. The day started with a welcome speech by the Secretary of the Club, which was followed by a speech by Miss Pranita Mukhia (Asst. Professor, Department of CSA). Miss Pranita motived the students by asking them not to be intimidated by the challenges the outgoing students will be facing as they step into a bigger space. She highlighted the fact that there will be more insecurities and more confusion but the key is to believe in one' self. She also highlighted how important it is to count our blessings and to be grateful for the many small blessings that are showered upon us. 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 sharingsession 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.
Geotagged photographs with caption (not more than 3)

Outcome of the activity: A warm gesture to thank the out going students and wish them the best for their future endeavors.