

## NAAC DVV CLARIFICATIONS

### CRITERIA – 5

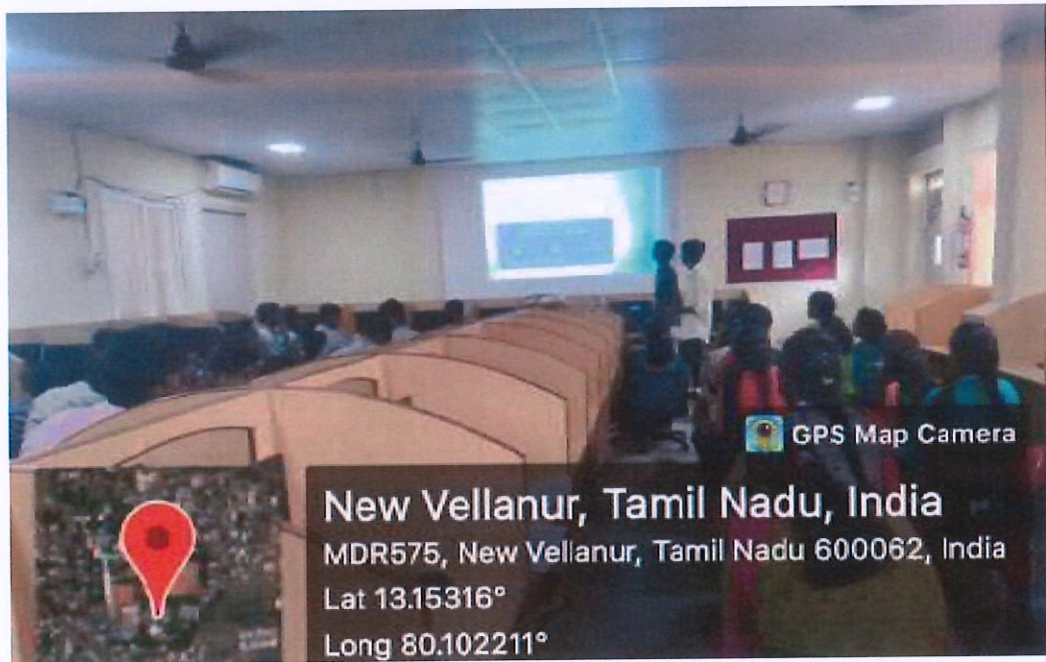
5.1.2. Following capacity development and skills enhancement activities are organised for improving students' capability

REPORTS–ICT/ Computing Skills (2022-2023)

### CYBER SECURITY AND DIGITAL MARKETING

The Department of Computer organized a Intra –College PowerPoint Presentation on "Cyber Security and Digital marketing" on 3/11/2022 in the Lab. The programme started with a Prayer Song. Ms Mathumitha , I BCA A ,welcomed the gathering. The Chief Guest, Ms Mary Santha Priya invited for this event. Five teams from each department participated in this competition .Among them VISCOM Department student won 1<sup>st</sup> prize and Computer Science Student won 2<sup>nd</sup> Prize. The vote of thanks was proposed by Ms Mathumitha , I BCA A proposed the vote of thanks.

Event Coordinators : Ms Baby Saral and Ms N Gayatri



### GUEST LECTURE on ANDROID/IOS

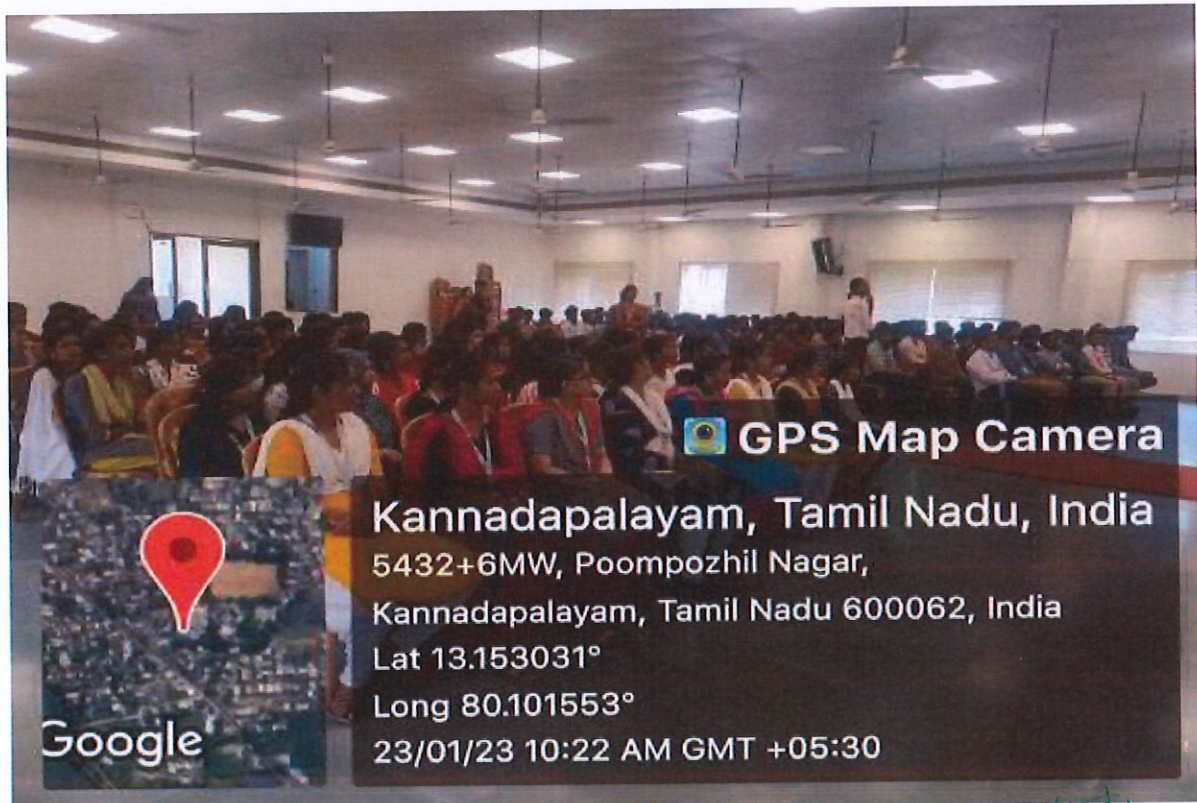
The Department of Computer organized a Guest Lecture on "Android/IOS" on 23/1/2023. The programme started with a Prayer Song. Ms Sneka Joys, III BCA B and Mr. Arun Kumar, III BCA A, welcomed the gathering. The Resource Person, Mr Ravidranath Dharman explained on what is Android and IOS, He elaborated the concept of IOS and Android and difference between them. He explained about kernel type and file transfer process in Android and IOS.. The vote of thanks was proposed by Ms.Aishwarya, II BCA A proposed the vote of thanks.



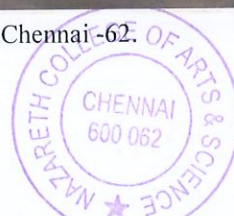
## E-SHARING : PROJECT MANAGEMENT

The Department of Computer Science conducted an e-Sharing programme on Project Management on 30.01.2023. Mrs. S. Abirami, Asst. Professor, Department of Computer Science and Coordinator made an introduction speech about the programme and introduced the Resource Person **Mrs. Sreedevi Arava, Project Manager, UST-Global, Chennai** to the final year students and briefly explained her roles in her 17 years of IT industry career.

During the learning session the Resource person explained the phases of Project Development. She briefly explained the steps to be followed during each phase. The significant processes during the development phases were explained. The crucial step of identifying the hidden aspects of the problem was discussed with examples. She elaborated on Scheduling, Documenting the activities of the project, Project execution, Quality deliverable, Continuous improvement, Monitoring the process, Project closure, Trouble shooting, Customer satisfaction and documenting the Best Practices followed during the course of the process. All the phases were explained clearly quoting anecdotes from IT industry. She introduced key terms like Kickoff meeting, Minutes of meeting and blue print



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of the project. The roles of a project manager throughout the development were discussed. The students got a clear idea about the project development. The resource person answered the questions dispelled the doubts at the end of the session. Mrs. S. Abirami, Asst. Professor, Department of Computer Science proposed a Vote of thanks.




## **E-WASTE MANAGEMENT AWARENESS PROGRAM**

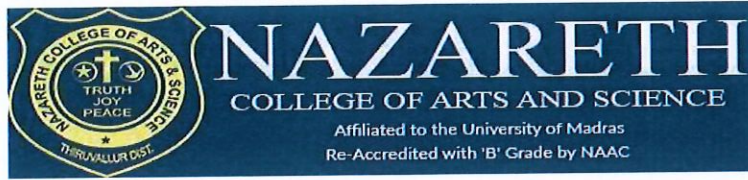
The Department of Computer Science organized a “Session on E-Waste Management (EWM) Awareness program” in association with IQAC for first year students on 15<sup>th</sup> October, 2022 . Ms.S.V.Rajiga, Assistant Professor, Department of Computer Science, Nazareth College of Arts and Science delivered the key note address. She spoken on the values of E-Waste Management .She explained the fundamentals of E-Waste Management. She also motivated the students by explaining the importance of E-Waste Management .

Mr. Parveen of II B. Sc (CS) gave awareness on E-Waste Management. He explained about E-Waste and its impacts on the society. He clearly explained how the E-Waste is accumulated and classified. He listed E-Waste items into the categories such as home appliances, communication and information technology devices, home entertainment devices and other electronics utilities. He also listed out the toxic material that affects the human health. He suggested various effective ways to dispose of E-Waste. He clearly explained how to recycle and reuse E-Waste items. He displayed the percentage of E-Waste produced by

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various countries in the world with the help of the bar chart. and he also presented the percentage of E-Waste produced by various states in the Tamil Nādu with the help of Pie Chart.

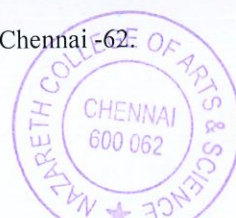
Ms.V. Nandhini of II B. Sc (CS) explained the various pollutions created by E-Waste items. She clearly explained how the water, air and soil are polluted by E-waste items and it affects the environment. They created the awareness of E-Waste among first year students. They clarified all the doubts of students in query session.

Students gained an awareness and knowledge about E-Waste Management. They interestingly learned about the E-Waste Management. Feed Back Forms were circulated among the participants. A total of 136 students from first Year attended this session. Finally, Ms.Meenakshi, Assistant Professor , Department of Computer Science proposed a vote of thanks.

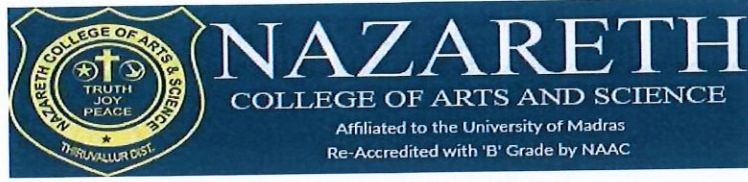


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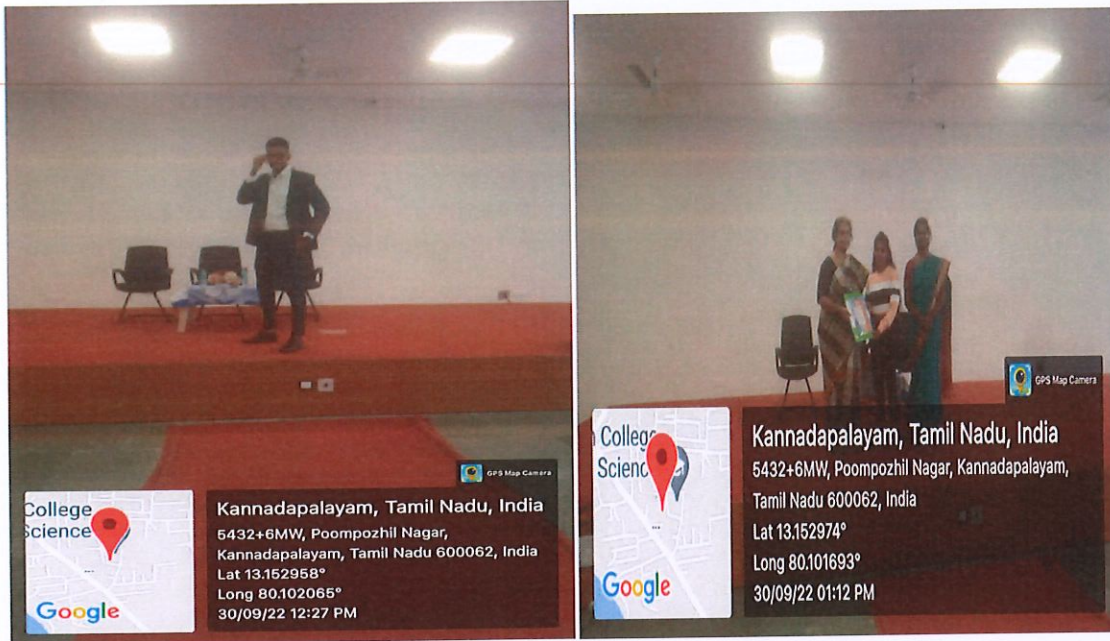
## TECH WEEK II – INTRA DEPARTMENT EVENT

The Department of Computer Science organized an Intra Department Program “Tech Week II” in association with Internal Quality Assurance Cell from 29.09.2022 to 30.09.2022. A total of seven events were conducted in various names. Poster making event was conducted on Monday in the name of Marvelous Monday. Debugging event was conducted on Tuesday in the name of Techy Tuesday. Web Site Development event was conducted on Wednesday in the name of Wiki Wednesday. Debate and Tech News events was conducted on Thursday in the name of Tele Thursday. Technical Poetry and Tech Walk events were conducted on Friday in the name of Fantastic Friday. New ideas were presented in these topics. Rules for all the program was framed separately and circulated among the students for their preparation. The basic criteria was set for all the events to select the team in a better way. A total of 65 students participated in all the events. The valediction was conducted for prize distribution on fantastic friday. Dr.E.Mary Angeline, Principal, NCAS was the guest of the day. Program started with prayer. Ms.Keerthana of II B.Sc CS welcomed the gathering. Principal and Vice Principal felicitated the gathering. Vice Principal and Head Department of Computer Science honored the Principal. Ms.Rajiga, Assistant Professor, Department of Computer Science, announced the prize winners of all the events. Principal and Vice Principal distributed prizes to the winners. Students got benefitted and exposed their talents in various events. Finally Ms.Hindujaof IIB.Sc CS proposed a vote of thanks.

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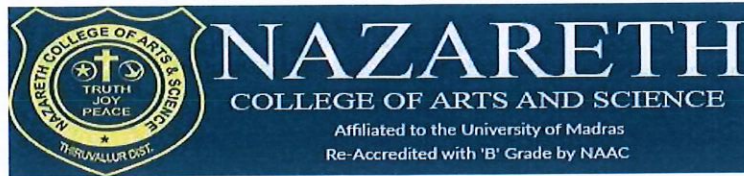


### E-SHARING : SDLC IN INDUSTRY

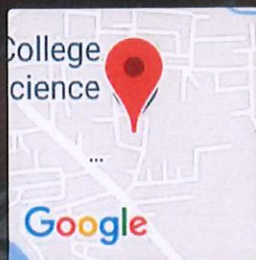
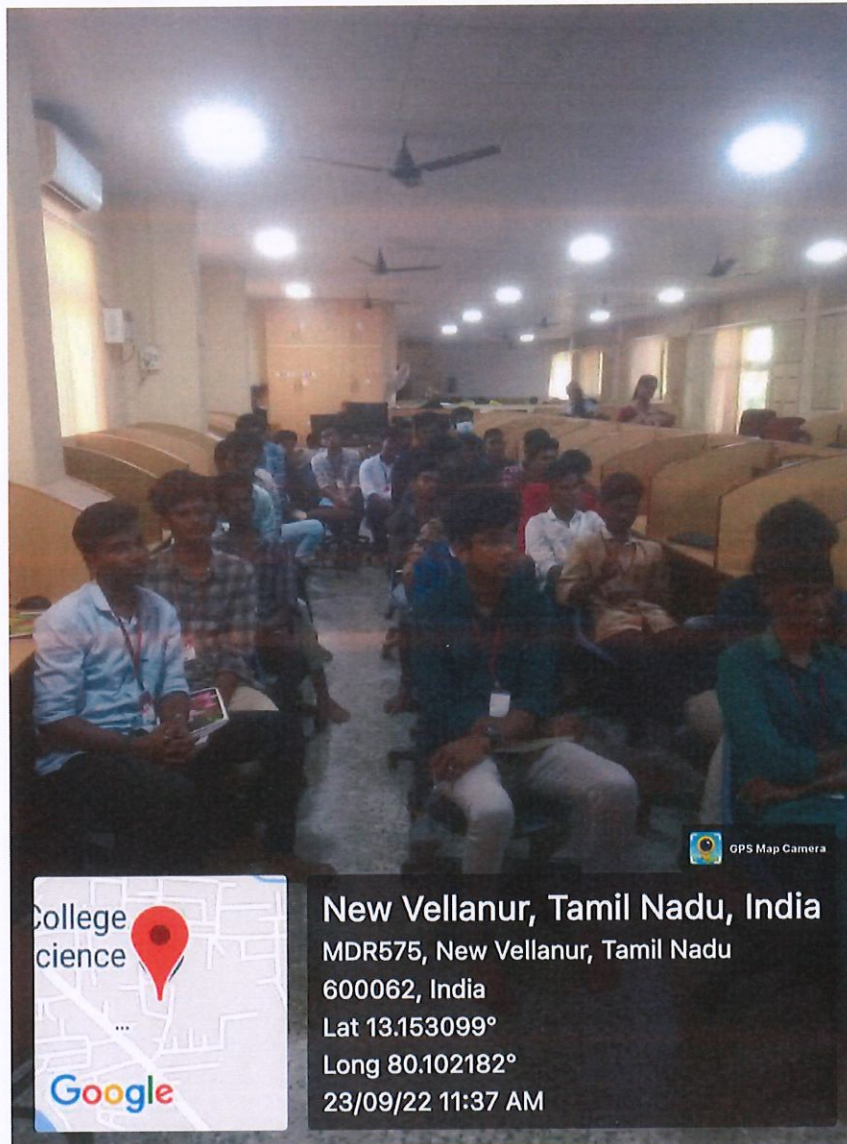
Mrs. E. Mano Ranjitham, Vice Principal, Asst. Professor, Head of Department of Computer Science gave an introduction speech about the programme the students.

Mrs. S. Abirami, Asst. Professor, Department of Computer Science and Coordinator introduced the Resource Person Mr. **Vijay Dinakaran** to the final year students and briefly explained his roles in his 11 years of IT industry.

During the lecture session the Resource person explained the phases of SDLC. He insighted knowledge on the different roles of a software developer during each phase. The nature of job the software developer does, the tools used in the process and what a student should prepare himself for the role was explained with simple examples by the Resource person. He introduced more than 30 different roles in detail. The students had a clear idea about the software and tools used for their training beginning with the analysis stage to the deployment stage. Apart from the life cycle, the roles like maintenance engineer, support engineer etc. after the deployment of the project were discussed with Nazareth College Website as an example. The students gained a clear knowledge on what roles exist and how they should



prepare themselves to be qualified for the same. The Resource Person accepted the department's request for another offline session exploring the SDLC live process in an industry. The session ended with Vote of thanks proposed by Mrs. S. Abirami, Asst. Professor, Department of Computer Science.

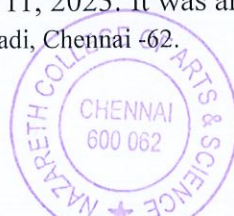



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## NATIONAL TECHNOLOGY DAY

The Institution Innovation Council and Entrepreneurship and Development in collaboration with Department of Computer Science organized an Essay Writing Competition on “National Technology Day” on May 11, 2023. It was an IQAC initiative. This

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competition is conducted for students of Computer Science Department as it was based on Technology.

The day is celebrated to commemorate the anniversary of the first five nuclear tests of Operation Shakti. National Technology Day is one of the important technology festivals in India which is celebrated by the students by demonstrating various technology projects in the state as well as national level exhibitions. The National Technology Day aims to remind people of the country's scientific achievements. This day is to celebrate all those who have contributed to the advancement of science.

The main aim of this program is also to promote the advancement of science and technology. *A simple theme is being followed throughout the nation, to unite, and to attract youth.* Students were informed the rules of the competition. More than 25 students participated in the competition. The best three were selected and awarded. It was enlightening beneficial to the students. The participants gained knowledge in knowing about the culture and how it is mingled with technology. A total of 28 students and 5 faculty members were involved in the competition. The final outcome of the program indicates that the technology is the application of scientific knowledge for practical purposes, especially in industry. Technology is a tool that can be used to solve real-world problems.

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TECHNOLOGY K. Keerthana  
II - BSC 05

Technology is the application of knowledge for achieving practical goals in a reproducible way. The word technology can also mean the products resulting from such efforts, including both tangible tools such as utensils or machines and the intangible ones such as software. Technology plays a critical role in science, engineering, and everyday life. Technological achievements have led to significant changes in society. The invention of the wheel in the Bronze age allowed greater travel and the creation of more complex machines.

Emerging Technologies:

Emerging Technologies are novel technologies whose development or practical applications are still largely unrealized. They include nanotechnology, biotechnology, robotics, 3D printing, blockchains and artificial intelligence.

Technological utopianism:

Technological utopianism refers to the belief that technological development is a moral good, which can and should bring about a utopia. That is, a society in which laws, government, and social conditions solve the need of all its citizens. Techno-utopian goals include post-scarcity, economic life extension, mind uploading, cyborgs and the creation of artificial super intelligence. Major techno-utopian movements include transhumanism and Singularitarianism.

Relation to science and engineering:

Engineering is the process by which technology is developed. It often requires problem solving under strict constraints. Technological development is "action oriented", while scientific knowledge is fundamentally explanatory. Polish philosopher Henryk Markowski framed it like so: "Science concerns itself with what is, technology with what is to be."

Despite this, modern technology is increasingly reliant on deep domain-specific scientific knowledge. In 1945 there was an average of one citation of scientific literature in every three patents granted in the US. By 1994 this increased to an average of one citation per patent. This average was skewed upwards by patents related to the pharmaceutical industry, chemistry and electronics. A 2001 analysis shows that the patents are based on scientific discoveries are on average 200% more valuable than equivalent non-science based patents of other animal species.

The use of tools technology is also a feature of non-human animal species. Tools use was once considered a defining characteristic of the genus Homo. This view was supplanted after discovering evidence of tool use among chimpanzees and other primates, dolphins and crows. West African chimpanzees use stone hammers and anvils for cracking nuts as do capuchin monkeys of Bon Vista.