



# CSI COLLEGE OF ENGINEERING, KETTI

Approved by AICTE, New Delhi (F.No.730-52-301 (E)ET/97 dated NOV. 17, 1997),  
Government of Tamil Nadu (vide GO Ms. No, 112, dated 23.3.1998),  
Affiliated to Anna University, Chennai (Tamil Nadu Act 26 of 2001 w.e.f.31.12.2001).



2.3 .1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

## **Response:**

The teaching learning process in CSI College of Engineering is based on student-centric learning by empowering the students to think critically, respond with confidence and pose questions without reservations. The Institution follows 2017 and 2021 Anna University regulation which is based on students centric – OBE and CBCS methods.

## **Experiential Learning:**

The students are encouraged to do things creatively. Involves learning through experience or doing. Students are given periodic assignments where they are given space to think and act independently. Students are given new topics which prompt them to refer various books and the internet, to do some research and prepare the assignments.

## **Problem Solving Methodologies:**

The students have to select the projects by their own interest by guidance of the faculty member to modify and improve creatively using latest technologies. It focuses on presenting students with complex, real-world problems to solve. Case study methodology and journal reference is used to enable students to learn problem solving techniques.

## **Participative Learning:**

Students are encouraged to participate in add-on courses which are conducted by the departments. IIC is functioning in our campus through which many programs are organized and guest lectures are arranged to enhance individual skill development. Students participate in conferences, symposiums, seminars, quiz and various inter & intra college events. The students are encouraged to do research projects and internships in various industries during the vacation so that they gain knowledge about the recent trends in the engineering field.

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## Department of Information Technology Student Centric Learning (2023-2024)

We have brought experts from outside college as guest lecturers to inculcate in students various subject knowledge which helps them in exploring deeply in the curriculum.



The department implements **Project-Based Learning**, where students are tasked with solving real-world IT challenges through projects. This approach:

- Encourages critical thinking and innovation.
- Provides hands-on experience with software development, network design, or cybersecurity projects.
- Develops teamwork skills as students collaborate to deliver solutions.



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## Flipped Classroom Model;

In this model, students are given study materials (videos, readings) to explore before class. During classroom sessions, they engage in activities like:

- Group discussions.
- Problem-solving exercises.
- Instructor-led clarifications of doubts, making classroom time more interactive and focused on application rather than just content delivery.



## Peer Learning;

Students who excel in certain areas are encouraged to mentor their peers. This peer-to-peer learning model not only helps slow learners improve but also reinforces the knowledge of advanced learners.

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## Department of Information Technology

### Experimental Learning (2023-2024)

Experiential learning is a hands-on approach that allows students to learn through direct experience. It emphasizes active participation, critical thinking, and problem-solving, moving beyond traditional theoretical methods. Students engage in real-world projects, internships, simulations, or fieldwork, where they can apply their knowledge in practical settings.



The benefits of experiential learning are vast. It fosters deeper understanding by allowing students to see how concepts work in real life. Through this, they develop skills like teamwork, leadership, and communication, which are essential for professional growth. Additionally, it nurtures creativity and adaptability, as students face unpredictable challenges and learn to think on their feet.



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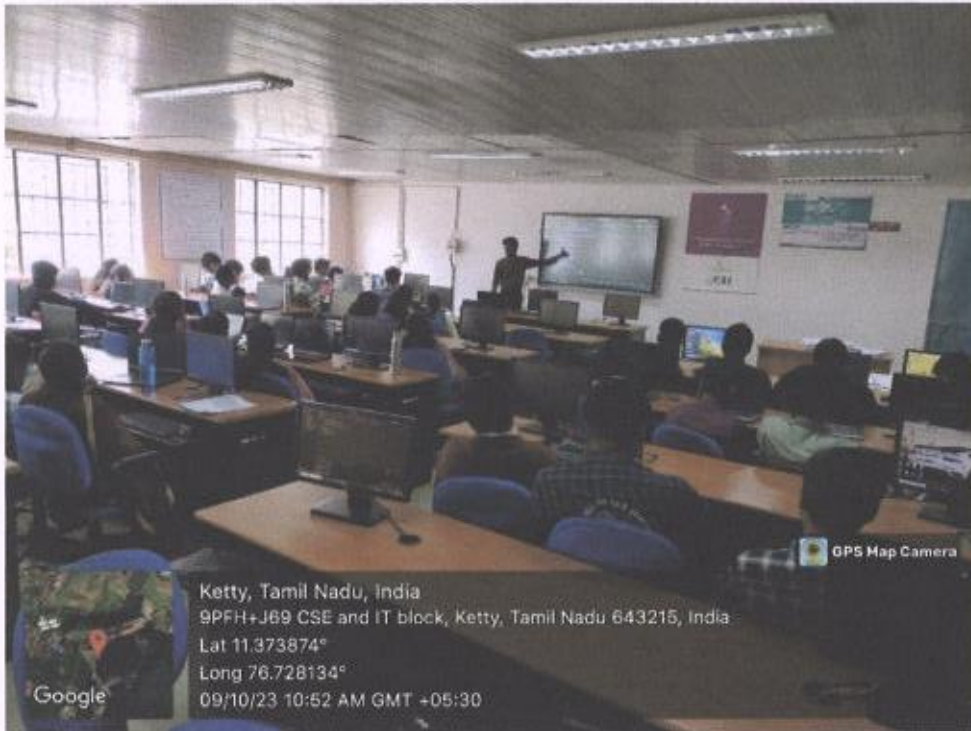






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In college education, experiential learning can take many forms, such as project-based learning, internships, service-learning, and lab work. These opportunities not only help students reinforce their academic knowledge but also allow them to explore their career interests and build professional networks. By bridging the gap between theory and practice, experiential learning prepares students to become more competent and confident in their future careers



*R. Mey Shamini*

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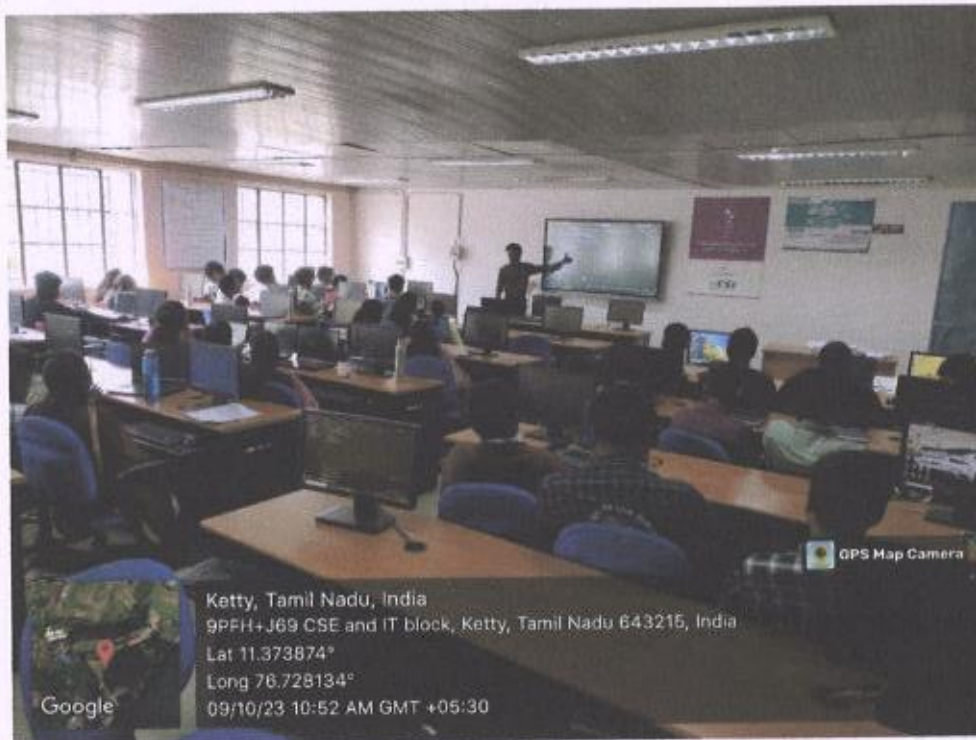
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## Individual Learning (2023-2024)

Individual learning is a self-directed and personalized approach to education, where students take responsibility for their own learning, often focusing on areas of personal interest and skill development. Unlike traditional classroom-based learning, individual learning allows students to tailor their educational experiences to meet specific goals, providing a deeper and more customized understanding of a subject. Activities such as seminars, paper presentations, and independent research are common examples of individual learning.



### Seminars;

Seminars offer students a platform to explore topics of interest in depth, often through active discussions and interactions with peers and experts. In a seminar, students are encouraged to take initiative, conduct thorough research, and present their findings to a group. This method enhances critical thinking, communication, and public speaking skills. It also allows students to learn from the diverse perspectives of others while gaining confidence in presenting their own ideas.

### Paper Presentations;

Paper presentations involve preparing a written academic paper and presenting it to an audience, typically at conferences or academic settings. This process helps students refine their research and writing skills while learning to convey complex ideas clearly and effectively. Presenting papers allows students to engage with their academic community, receive constructive feedback, and contribute to ongoing discussions in their field of study. It also enhances their ability to organize thoughts logically and articulate them convincingly.

### Research Projects;



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In research projects, students take the lead in exploring specific areas of interest, collecting data, analyzing results, and drawing conclusions. This hands-on approach helps in developing problem-solving skills, attention to detail, and independent learning. By undertaking such projects, students can delve deeper into subjects, gaining expertise and producing original contributions to their field.



Individual learning methods like seminars, paper presentations, and research projects offer students unique opportunities to take charge of their education. These experiences encourage active engagement, critical thinking, and effective communication, all of which are essential for personal and professional development. By focusing on areas of individual interest, students can deepen their knowledge and build confidence in their abilities, preparing them for future academic or career pursuits.



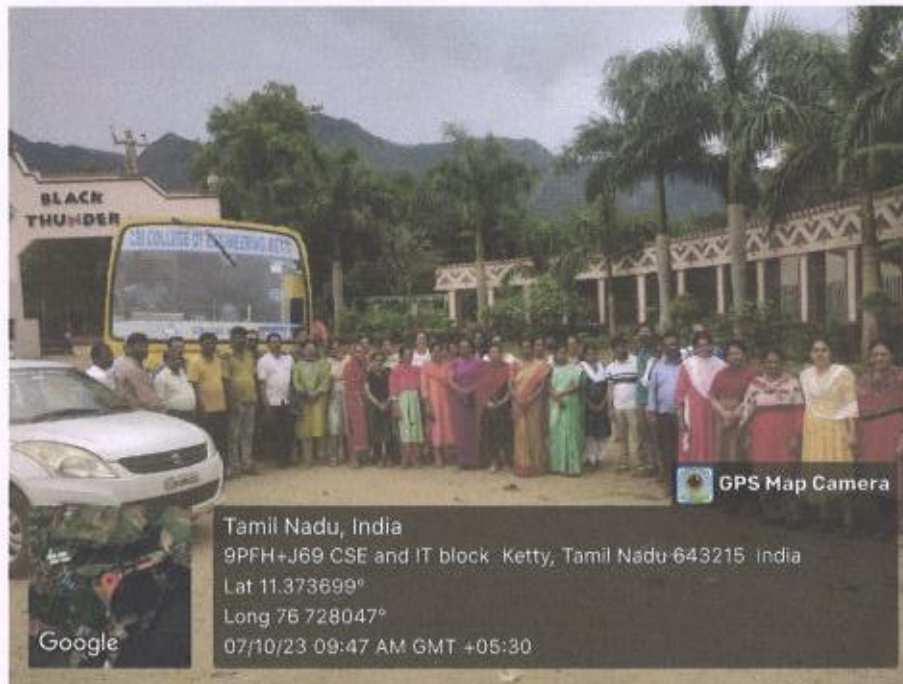
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## Department of Information Technology

### Industrial Visit(2023-2024)

The Department of Information Technology organized an industrial visit for students to provide them with hands-on exposure to real-world applications in the field of information technology. The visit was conducted as part of the department's effort to bridge the gap between theoretical learning and practical industry experience.



The primary objective of the industrial visit was to:

- Provide students with a practical understanding of the latest technologies used in the IT industry.
- Offer insights into the working environment of IT professionals and the structure of technology companies.
- Familiarize students with industry-standard practices, tools, and processes in areas such as software development, networking, cybersecurity, and cloud computing.



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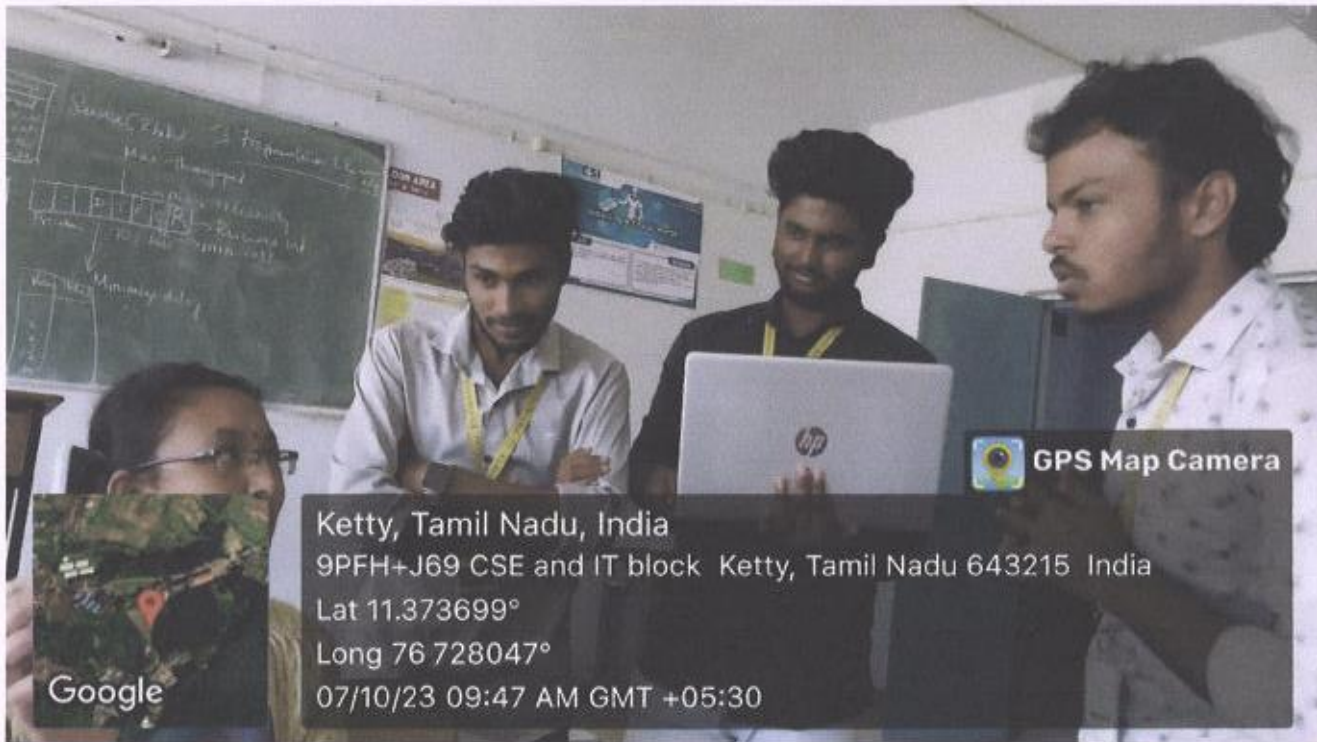
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## Department of Information Technology Participative Learning (2023-2024)

### Participative Learning;

Participative learning is an interactive and collaborative approach to education where students actively engage in the learning process through group activities, discussions, and shared problem-solving. Unlike passive learning, where students simply receive information, participative learning involves students working together, exchanging ideas, and contributing equally to the learning environment. This method fosters teamwork, enhances communication skills, and builds a sense of community within the classroom.



### Group Discussions

Group discussions are a key component of participative learning. In these sessions, students engage in meaningful dialogue about a particular topic, sharing diverse perspectives and insights. This interactive format encourages critical thinking, as students must analyze different viewpoints and construct well-informed arguments. Group discussions also build listening and communication skills, allowing students to articulate their ideas clearly while being receptive to others' contributions.



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## Team Projects;

Team-based projects require students to collaborate on a common task or objective. Each member brings unique strengths to the project, contributing to the overall success. This method emphasizes the importance of cooperation, leadership, and accountability, as students must work together to solve problems, meet deadlines, and produce quality work. Team projects mirror real-world professional environments, preparing students for future careers that demand collaboration and collective problem.



## Workshops and Simulations;

Workshops and simulations offer practical, hands-on experiences that immerse students in real-world scenarios. These activities promote active participation, allowing students to apply theoretical knowledge in a practical context. For example, simulations can mimic real-life situations such as business negotiations or scientific experiments, helping students develop problem-solving strategies and decision-making skills.



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## Department of Information Technology Projects and Mini Projects (2023-2024)

### Projects and Mini Projects;

Projects and mini projects are valuable educational tools that provide students with hands-on experience and practical application of their theoretical knowledge. These assignments challenge students to solve real-world problems, fostering creativity, critical thinking, and technical skills.

### Mini Projects

Mini projects are smaller in scope and typically assigned for shorter durations, often as part of a course or subject. They allow students to apply specific concepts learned in the classroom to practical problems in a focused and manageable way. For example, in a computer science class, a mini project might involve creating a simple web application or coding a basic algorithm.



*R. Mary Shanthi*

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**Projects & Mini projects:**

Project review held at GCT coimbatore for the funded project recived from TNDC for the academic year of 2023 to 2024



**Internship certificates:**



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Internship certificates:



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This is to certify that Mr.Mohamed Moulana B A (Reg No:710621105306), Third Year Student of BE Electrical and Electronics Engineering, From CSI COLLEGE OF ENGINEERING Ketti, has successfully completed his Internship Training in "Embedded system" from our esteemed organization from 10.01.2024 to 31.01.2024.

His performance and conduct were found to be very good.

During this period, He was sincere and regular in attending all the phases of Internship Training Program.

Thanks & Regards For MCSONICALS

  
Manager

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641039 ph: 81899 56248 www.mcsonicals.com



**MCSONICALS**

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This is to certify that Mr.Jananth Rahul C (Reg No:710621105304), Third Year Student of BE Electrical and Electronics Engineering, From CSI COLLEGE OF ENGINEERING Ketti, has successfully completed his Internship Training in "Embedded system" from our esteemed organization from 10.01.2024 to 31.01.2024.

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This is to certify that Mr.Manikandan J (Reg No:710621105305), Third Year Student of BE Electrical and Electronics Engineering, From CSI COLLEGE OF ENGINEERING KETTI, has successfully completed his Internship Training in "Embedded system" from our esteemed organization from 10.01.2024 to 31.01.2024.

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This is to certify that Mr.Ashok Kumar R (Reg No:710621105301), Third Year Student of BE Electrical and Electronics Engineering, From CSI COLLEGE OF ENGINEERING KETTI, has successfully completed his Internship Training in "Embedded system" from our esteemed organization from 10.01.2024 to 31.01.2024.

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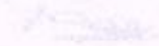
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THIS IS TO CERTIFY THAT THE ABOVE NAMED PARTY HAS BEEN ADMITTED TO THE MEMBERSHIP OF THE SOCIETY OF THE FRIENDS OF THE MUSEUM OF THE CITY OF BOSTON AND IS ENTITLED TO ALL THE PRIVILEGES AND BENEFITS THEREOF.

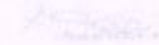


MCSSONICALS



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This is to certify that Mr. Paul Esrome Raj E (Reg No:710621105307), Third Year Student of BE Electrical and Electronics Engineering, From CSI COLLEGE OF ENGINEERING Ketti, has successfully completed his Internship Training in "Embedded system" from our esteemed organization from 10.01.2024 to 31.01.2024.

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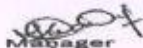
### TO WHOME SO EVER IT MAY CONCERN.

This is to certify that Mr.Arjun S (Reg No:71062110502), Third Year Student of BE Electrical and Electronics Engineering, From CSI COLLEGE OF ENGINEERING Ketti, has successfully completed his Internship Training in "Embedded system" from our esteemed organization from 10.01.2024 to 31.01.2024.

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5..Individual Learning:



  
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Project Presentation:

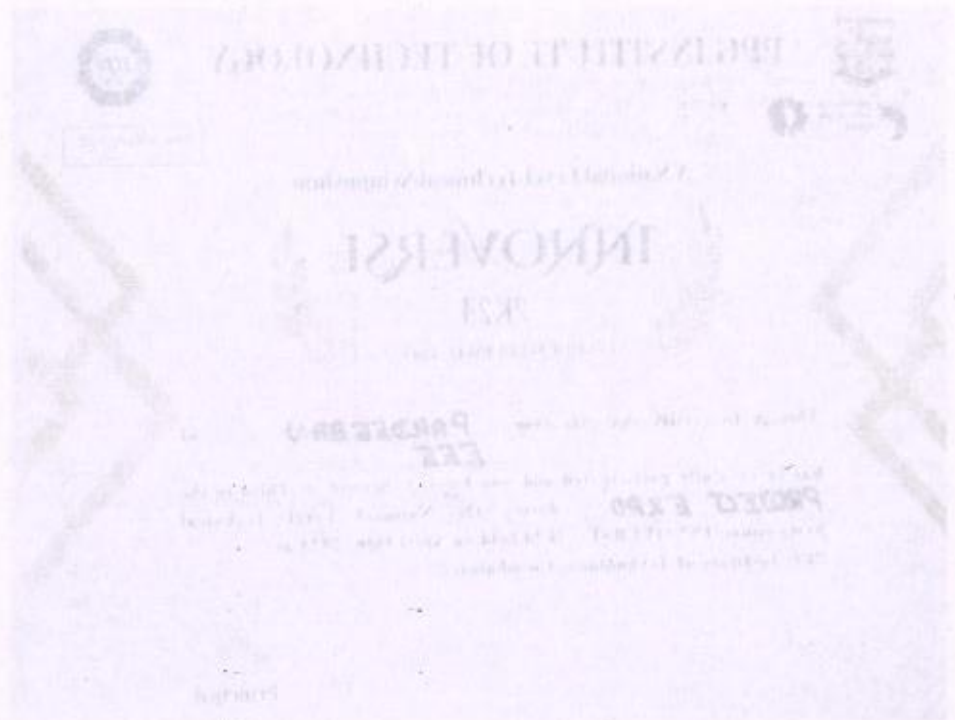


6. ICT tools:

Almost all the class are conducted by smart board



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