



# SCIENT INSTITUTE OF TECHNOLOGY

Ibrahimpattnam, RangaReddy Dist. Telangana

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

S.No	Description
1	Sample Copy of Laboratory Sessions
2	Sample Copy of Internship
3	Sample Copy of Industrial study visits & Field visits
4	Sample Copy of Bridge course
5	Sample Copy of E-Learning
6	Sample copy of ICT Supported Learning
7	Sample Copy of Workshops, Guest lectures and Seminars
8	Sample Copy of Technical presentation
9	Sample Copy of Technical club Activities
10	Sample Copy of Short Presentation
11	Sample Copy of Alumni Interaction
12	Sample Copy of Mind Map
13	Sample Copy of Z to A Approach
14	Sample Copy of Role play Approach
15	Sample Copy of Brown Bag Approach



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Ibrahimpattnam, RangaReddy Dist. - 506001

**Experiential learning:** The institution offers experiential learning for students with the following approaches

**1. Laboratory sessions:** Laboratory sessions are conducted for better understanding of theoretical concepts.



DEPARTMENT OF EEE students 2<sup>nd</sup> year performing experiments in Electrical machines-2 lab in the A.Y:2023-24, semester-2



DEPARTMENT OF CSE students 2<sup>nd</sup> year performing experiments in Operating Systems lab in the A.Y:2023-24, semester-2





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## 2. INTERNSHIPS :

Mr. Syed hussamuddin hashmi student from CSE has completed internship on visual intelligence under Technoweeek 1.0 held on 30<sup>th</sup> April 2024.

**GNI** GURU NANAK INSTITUTIONS TECHNICAL CAMPUS  
www.gniindia.org

**TechnoWeek 1.0**  
- Tech Transformation Unveiled

*Certificate of Participation*

This is to certify that Mr/Ms Syed Hussamuddin hashmi from department of CSE Institute Scient Institute of Technology has participated in Technical Event in domain Visual Intelligence under TechnoWeek 1.0 held on 30<sup>th</sup> April 2024 organised by the Department of CSE (301) Guru Nanak Institutions Technical Campus (Autonomous), Ibrahimpattam, R.R District-501506, Hyderabad

[Signature]  
Convener

[Signature]  
Dr. Rishi Sayal  
Associate Director

[Signature]  
Dr. K. Venkata Rao  
Director



[Signature]  
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Mr. Naumit agarwal student from CSE has completed internship on visual intelligence under Technoweeek 1.0 held on 30<sup>th</sup> April 2024.

GURU NANAK INSTITUTIONS TECHNICAL CAMPUS

**GNI** www.gni-tc.org

AUTONOMOUS under section 20 & 10(b) of University Grants Commission Act

# TechnoWeek 1.0

- Tech Transformation Unveiled

*Certificate of Participation*

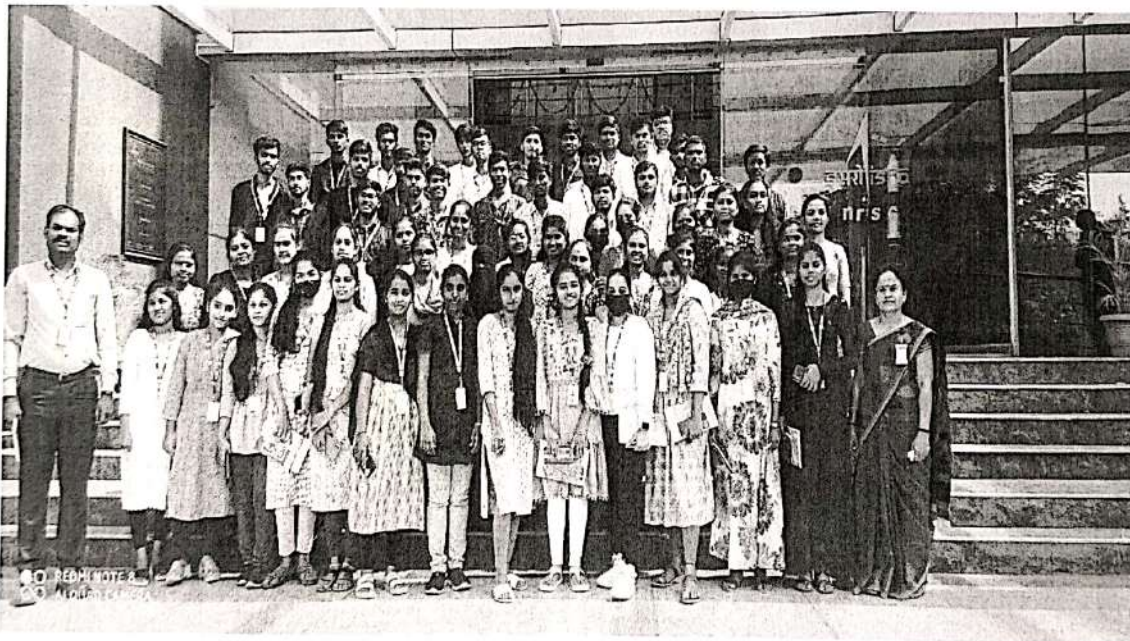
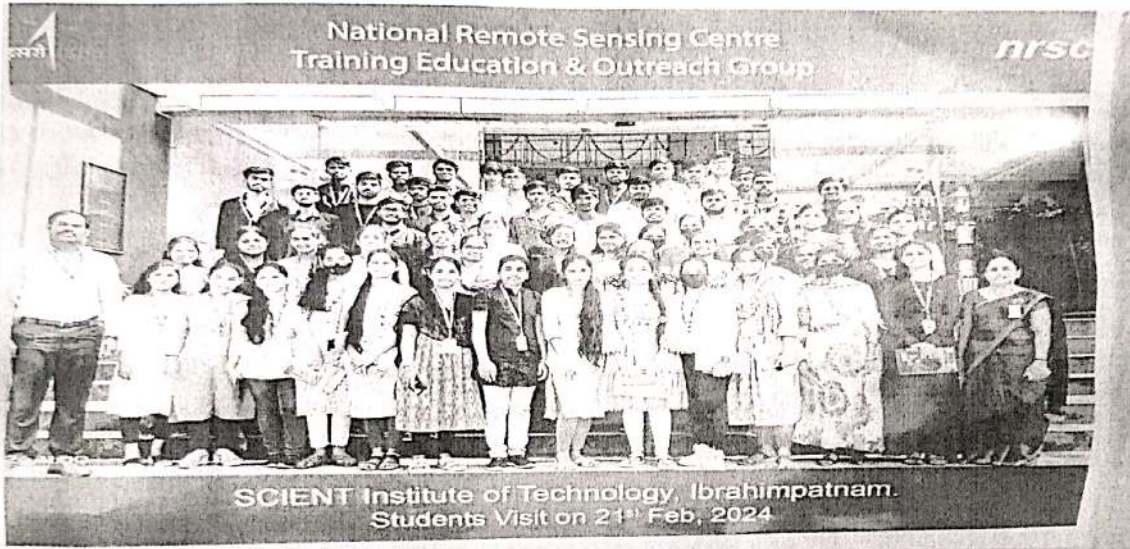
This is to certify that Mr./Ms. Naumit Agarwal from department of CSE Institute Scient Institute of Technology has participated in Technical Event in domain Visual Intelligence under TechnoWeek 1.0 held on 30 April 2024 organised by the Department of CSE (IOI) Guru Nanak Institutions Technical Campus (Autonomous), Ibrahimpattam, R.R District-501506, Hyderabad

*[Signatures]*  
 Conveher      Dr. Rishi Sayal (Associate Director)      Dr. K. Venkata Rao (Director)



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**3. Industrial study visits and field visits:** Organized to expose to the current technologies and to provide opportunity to learn practically through interaction.



DEPARTMENT OF EEE &ECE 1<sup>ST</sup> year students are visit to NRSC industrial camp on 21<sup>st</sup> Feb-2024  
A.Y:2023-24.



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## 4. BRIDGE COURSE:

### Department of H&S

Orientation Day Program for A.Y. 2023-24

Date:30-08-2023

No. Students attended: 202

In view of the commencement of Academic Year 2023-2024, Scient institute of Technology (SNTI) conducted the Orientation Day programme. The program started with Introduction by The HOD - H&S Department. And introduced Heads of all the Departments.



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The secretary sir, Sri. Dr. KC. Shekar Reddy, the Placements Head and all the Departments were invited on to the dais. The Program started with the National Song Vande Mataram. All HODs gave presentation about their respective departments.

In the afternoon session the newly admitted students were taken for vision the various laboratories and classrooms of the Department of Humanities and Sciences in T-Block. Later, they were shown their respective departments to familiarize with their respective Head of department and faculty members and friends.



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**6. E-Learning:** The institution provides NDL, DELNET, N-DIGITAL, E-SHODH SINDHU access for e-books & references, magazines, printed journals & e-journals, NPTEL videos...

**Your Institute SCIENT INSTITUTE OF TECHNOLOGY (SNTI) is now is now a part of the NDLI Club**

Dear Shanker Reddy,

The request of SCIENT INSTITUTE OF TECHNOLOGY (SNTI) to set up NDLI Club at the Institute has been approved. All interested students, faculty members and employees of SCIENT INSTITUTE OF TECHNOLOGY (SNTI) can now enroll themselves as members of SCIENT INSTITUTE OF TECHNOLOGY (SNTI) NDLI Club, using the passkey given below.

Passkey: -- 07def6e2-57e4-4cc8-a8b2-0e6f1473c675

Club Registration Number : INTGNC7U7YOZGXS

You are requested to share the Passkey with all your students, faculty members and employees via e-mail and advise them to visit <https://club.ndli.itkpp.ac.in/sign-up> to enroll themselves as member of the NDLI Club using their e-mail id and the Passkey. You may also take a printout of the enclosed document and paste it on the notice boards of SCIENT INSTITUTE OF TECHNOLOGY (SNTI) so that the students, faculty members and employees can view the details about the NDLI Club and enroll themselves as members of the Club by scanning the QR Code indicated in the page.

You will be able to download a Certificate of Registration for NDLI Club of SCIENT INSTITUTE OF TECHNOLOGY (SNTI) from the NDLI Club portal [club url](#) once you conduct 1st event of your NDLI Club (which may be NDLI User Awareness Session) within the next 30 days and that is attended by at least 100 members of the NDLI Club of SCIENT INSTITUTE OF TECHNOLOGY (SNTI).

This NDLI Club Certificate of Registration is valid for 12 Month and will be renewed every 12 Month, subject to the NDLI Club of SCIENT INSTITUTE OF TECHNOLOGY (SNTI) conducting at least 6 reading/knowledge related Events and 4 Global Events conducted by others online within the next 12 months and at least 100 members of your Club attending .

The best performing NDLI Clubs at District/ State/ National level will be recognized appropriately.

We look forward to your continued support.

To verify your Club role, please Click Here. In case of any difficulty in accessing the above link please click on the url below  
Not Applicable



  
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Fig. LIBRARY

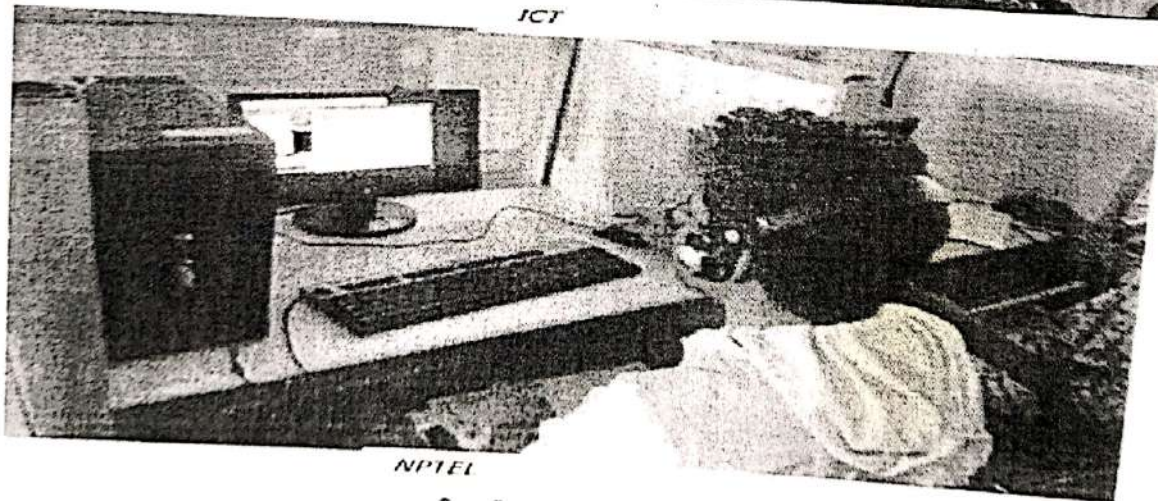
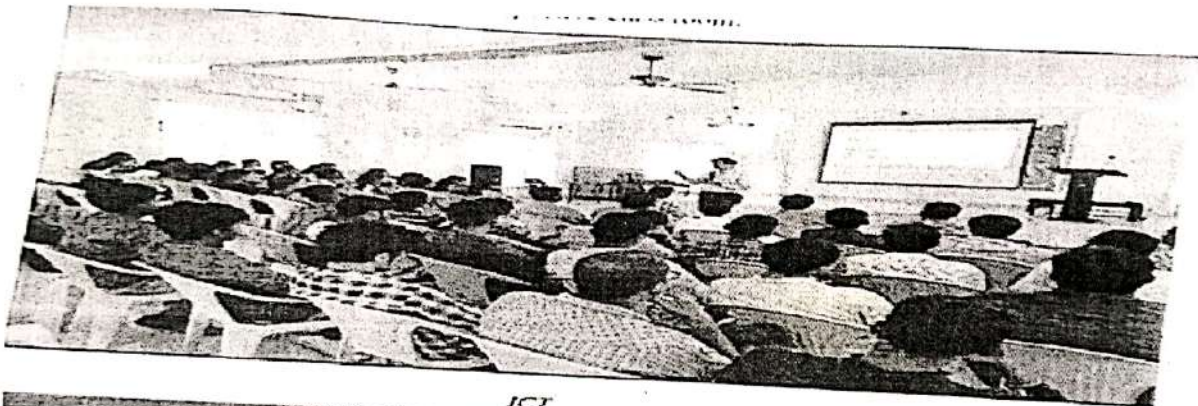


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**6. ICT SUPPORTED LEARNING:**

Faculty enrolling NPTEL online courses of their interest and appearing for Certification Exam conducted by NPTEL, Faculty motivating students under their mentorship to enroll NPTEL courses and then solving Assignments with help of concerned faculty, listening NPTEL videos and appearing for certification exam.

Faculty prepares power point slides on some theoretical concepts and having complex diagrams and then presents in the respective class room.





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## 7. a) workshops:

Department of EEE,ECE&CSE students participated successfully in A Five days "BOOTCAMP ON UNAMANNED AERIAL SYSTEMS" workshop on 6-5-2024 to 10-5-2024.

The poster features the SCIENT Institute of Technology logo at the top right. Below it, the text reads "A five days BootCamp on UNMANNED AERIAL SYSTEMS". It mentions "in association with" NIELIT (National Institute Of Electronics and Information Technology) and provides the dates "06.05.2024 to 10.05.2024". The venue is listed as "C block seminar hall". Logos for NAAC, Ministry of Education's INNOVATION CELL, and INSTITUTION'S INNOVATION COUNCIL are also present. A drone is depicted at the bottom right.



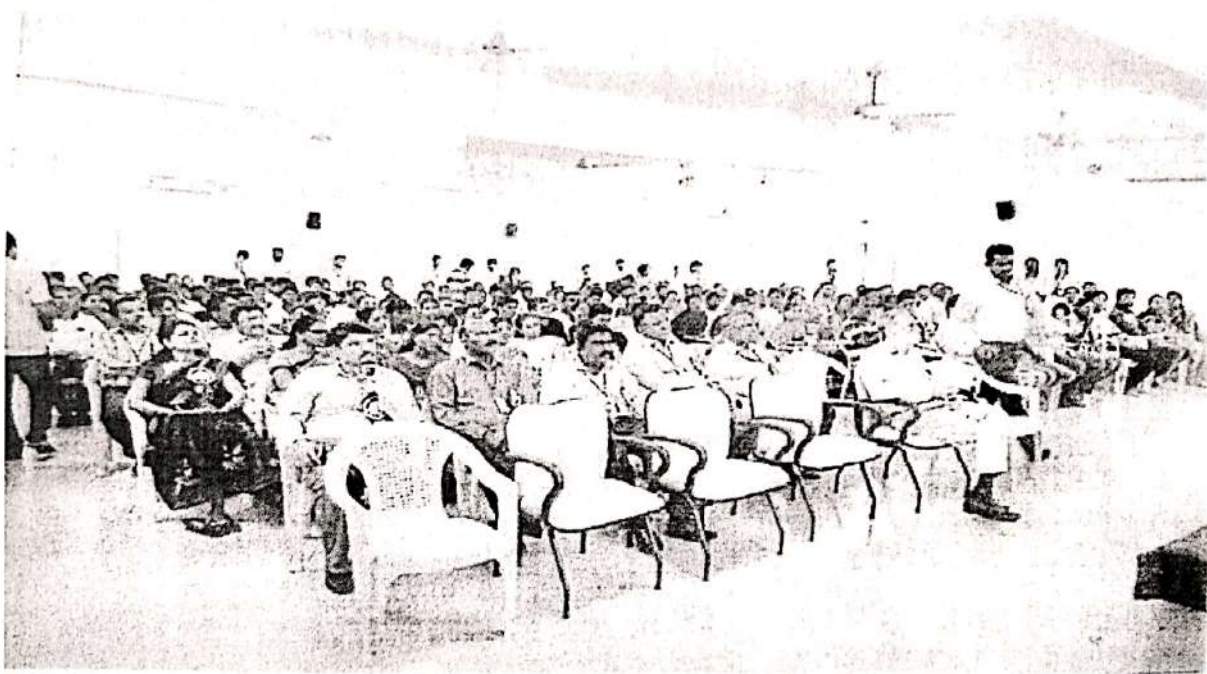
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**SOFT SKILLS WORKSHOPS**

"Scient Institute of Technology" conducted specialized training to the faculty of Engineering at SNTI during September 2016 by Advancements on JAVA & Data Handling. They conducted Four Day National level workshop on "ADVANCEMENTS ON JAVA & DATA HANDLING" which was attended by our faculty. The faculty has been using the workshop techniques in the class room to improve qualification of students.

SNTI Management organizes National level workshop on "ADVANCEMENTS ON JAVA & DATA HANDLING" every academic year beginning for all teaching faculty at Scient Institute of Technology, Hyderabad. The faculty has been using the workshop techniques in the class room to improve qualification of students.



Workshop program to students and faculty



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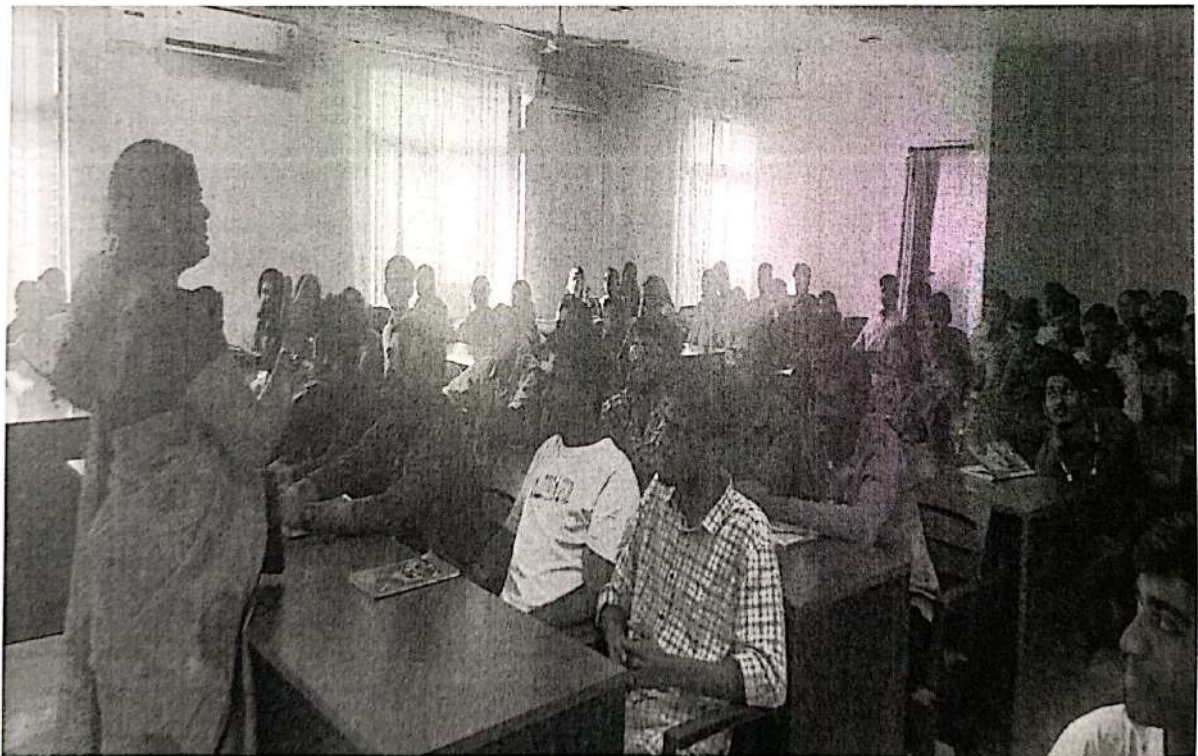
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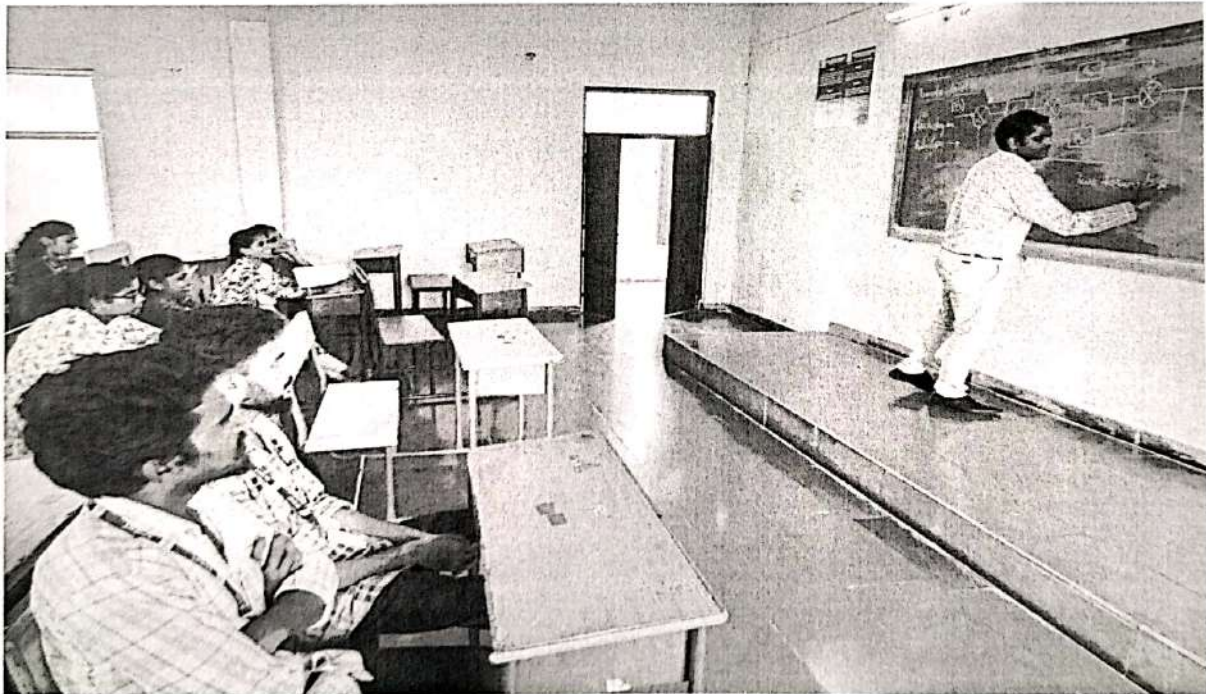
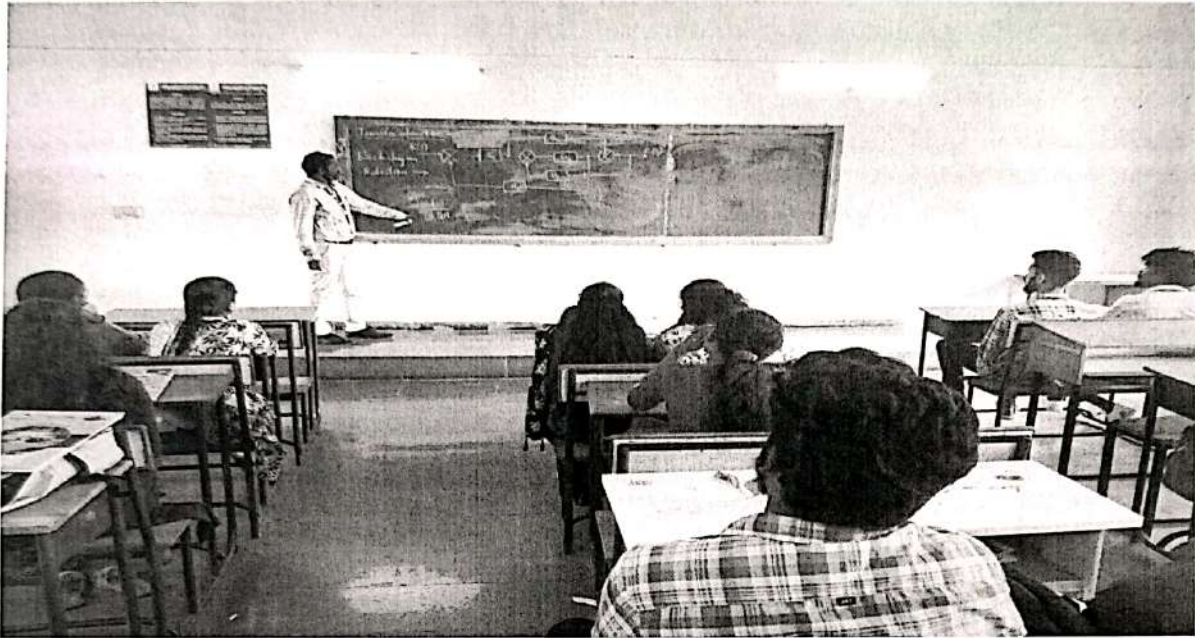


Guest lecture:



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**8. Technical presentation:**



Department of EEE is held on technical presentation





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## 9. Technical club activities:



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# INTERNATIONAL YOGA DAY



**JUNE 21, 2024**

**"YOGA FOR SELF AND SOCIETY"**

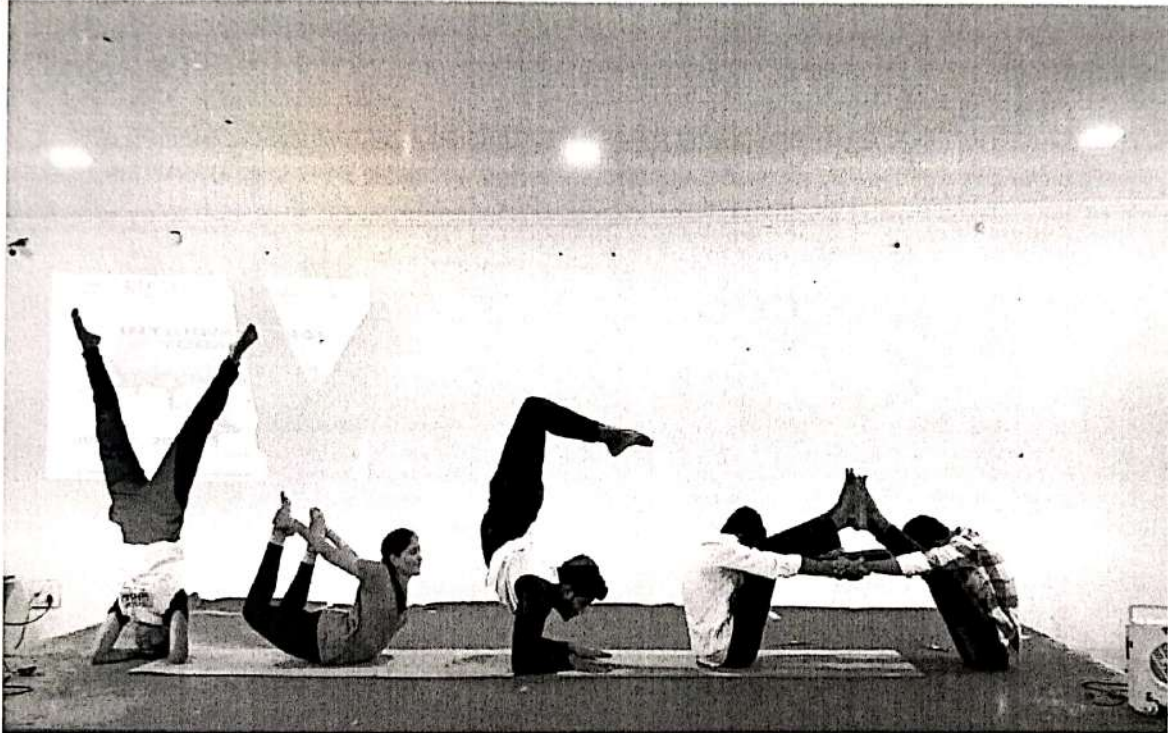
**Venue : C Block seminar hall**



Rangareddy, TG, India  
Ibrahimpattanam, Rangareddy, 501506, TG,  
India  
Lat 17.175792, Long 78.659123  
06/21/2024 14:48 GMT+05:30  
Note : Captured by GPS Map Camera



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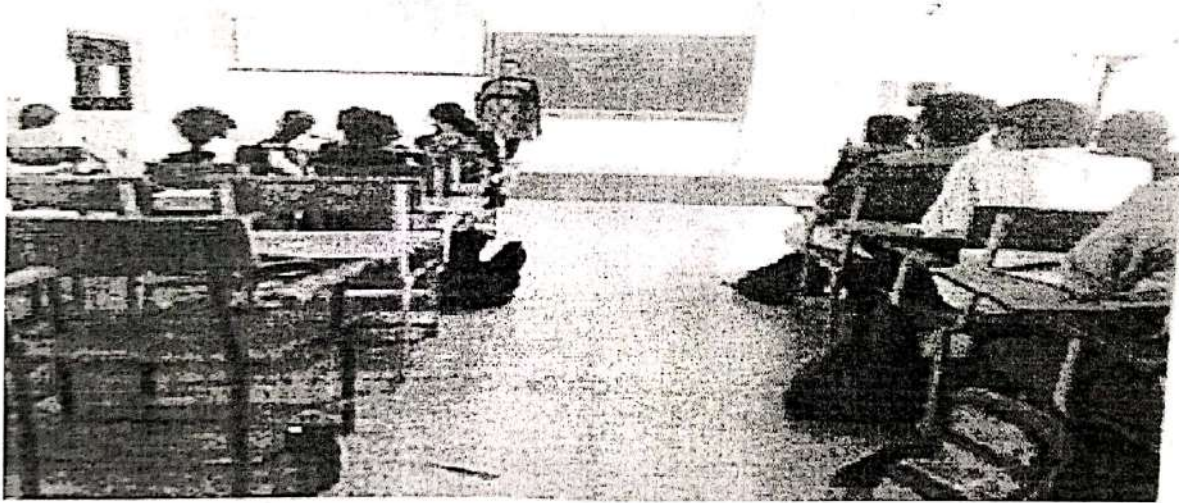


## 10. Short presentation:

TOPIC: To make students give a presentation on a given topic



*Student's class room Seminars*



## Group projects:

**IDEA:** To make students understand UGC standard papers and implement a part of it.

**IMPLEMENTATION:** Students have implemented a few advanced projects.

**OUTCOME:** Bringing out the creative thoughts of students.





Students projects exhibition during PROJECT DAY contest



**11. Alumni interaction:**

Alumni meets are organized every year to build the strong relationship between students and alumni to share their experience and knowledge towards career building.

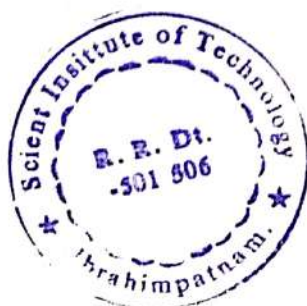


## 12. Mind map:

**IDEA:** Mind maps can be used in class to brainstorm and generate discussions. This involves use of notes with keywords and images and classroom teaching.

**IMPLEMENTATION:** Following image is shown to students and they are asked to discuss it among themselves.

**OUTCOME:** This will encourage students not only to participate but also to fully understand a topic and its creating connections between ideas. This makes students remember the topic for a longer time.

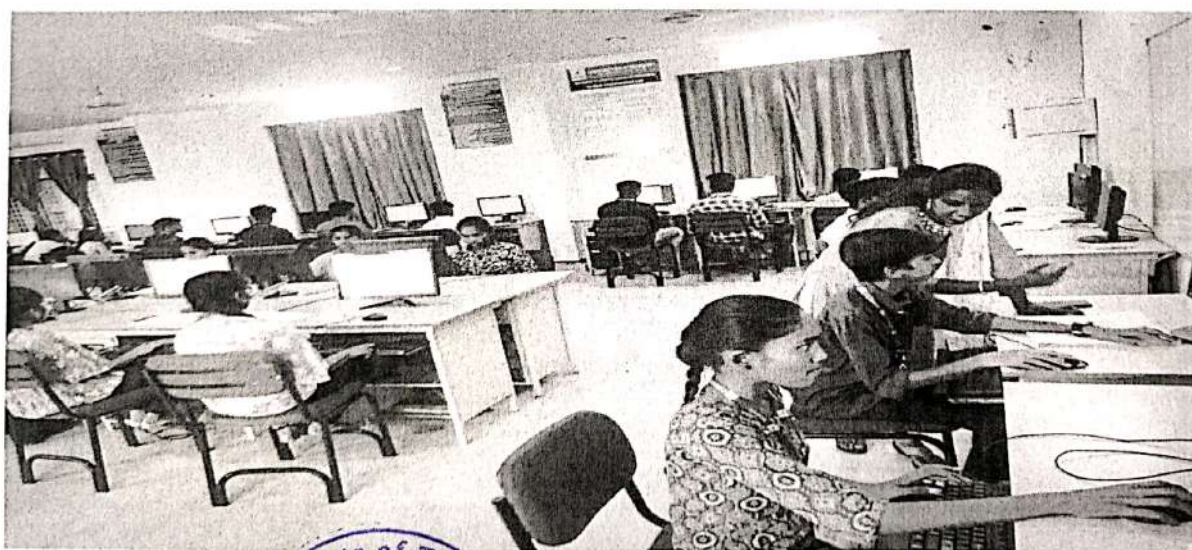


### 13. Z to A APPROACH:

**IDEA:** Attempt to explain the application for a particular concept first and then the concept

**IMPLEMENTATION:** Listing different peripherals (like keyboard, mouse, LEDs and switches) used for better operation of 8086 microprocessor. Discussion of interfacing them with 8086. Drawing the need of using 8255 for interfacing 8086 with peripherals by increasing the number of 10 ports then discuss the 8255 architecture.

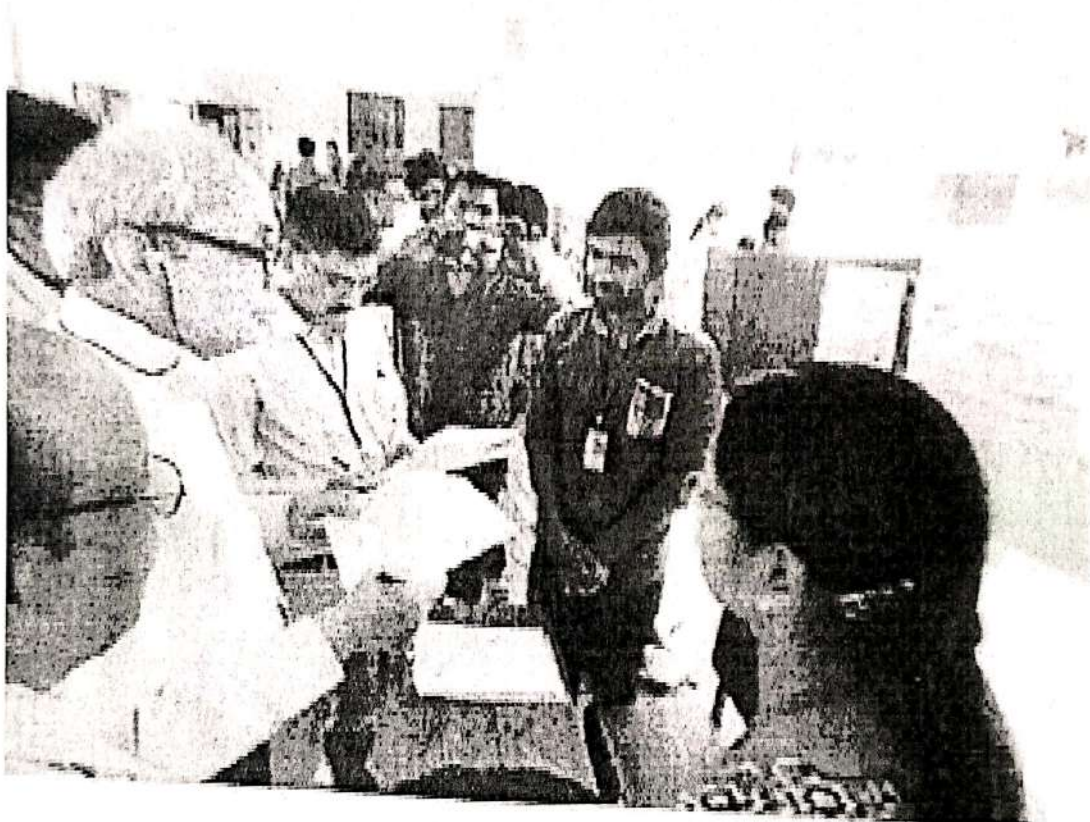
**OUTCOME:** Creating interest among the students in knowing the topic.



#### 14. ROLE PLAY APPROACH:

**IDEA:** Students are given a scenario and other options to solve a particular issue, then the students are exposed to decision making in a given environment.

**IMPLEMENTATION:** Some students are selected randomly. Each student is assigned a particular frequency. One student is selected to act as a low pass filter with particular cut-off frequency. He is made to stand at the door of class room, Students come one by one The student with frequency less than cut off frequency is only allowed to enter the classroom. The other students are blocked at door 15 only allowed to enter the classroom.



Students role play during project demonstration



## 15. Brown bag approach:

**IDEA:** A bag is filled with papers having different topics of the subject written on them. Each student is asked to pick a paper of his/her choice. And they are given an opportunity to explain it.

**IMPLEMENTATION:** The following topics are written on paper, and kept in bag. Add topic names up to 6

**OUTCOME:** This allows students to experience a real time exchange of knowledge.



Students group random topic presentation

