



**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 Integrated tools
5	Sample Copy of Bridge course
6	Sample Copy of E-Learning
7	Sample copy of ICT Supported Learning
8	Sample Copy of Workshops, Guest lectures and Seminars
9	Sample Copy of Technical presentation
10	Sample Copy of Technical club Activities
11	Sample Copy of Short Presentation
12	Sample Copy of Alumni Interaction
13	Sample Copy of Mind Map
14	Sample Copy of Z to A Approach
15	Sample Copy of Role play Approach
16	Sample Copy of Brown Bag Approach

PRINCIPAL  
Scient Institute of Technology  
Ibrahimpatnam, R. R. Dt -501506

**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 CSE students of 3<sup>rd</sup> year performing experiments in computer networks lab AY 21-22 Semester-I



Department of EEE Students 2<sup>nd</sup> of performing experiments in "Analog Electronics Lab" in the AY 21-22 Semester-I.

PRINCEPA  
and Institute of Technology  
Autonomous, R. R. D.

2. Internships: Internships are provided to students through MOUs with industries



### Certificate of Completion

This is to certify that CHALLA SHIVAKUMAR has successfully completed Summer Training in Loan defaulters-lending clubs from 07-04-2022 to 10-05-2022



<https://www.edugrad.com/certificate>

Mr. Challa Shiva Kumar, student from 2<sup>nd</sup> CSE has completed internship for a period of one month from 07.04.22 to 10.05.22 in loan defaulters-lending clubs from edugrad.

HIGHER EDUCATION TOP 10  
DIGITAL LEARNING  
PORTALS - 2019




### CERTIFICATE OF EXCELLENCE

*This certificate is proudly presented to*

**ADNAN SHAREEF**

*For completion of the courses in Data Science from 17<sup>th</sup> March, 2021 to 17<sup>th</sup> May, 2021 Unschool wishes you all luck for future endeavors.*



  
SIGNATURE

Mr. ADNAN Shareef, student from 3<sup>rd</sup> CSE has completed internship for a period of two month from 17.03.22 to 17.05.22 from digital Electronics portals-2019.

  
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Brahmabhatam, R. R. D.

**3. Industrial study visits & Field visits:** Organised to expose to the current technologies and to provide an opportunity to learn practically through interaction

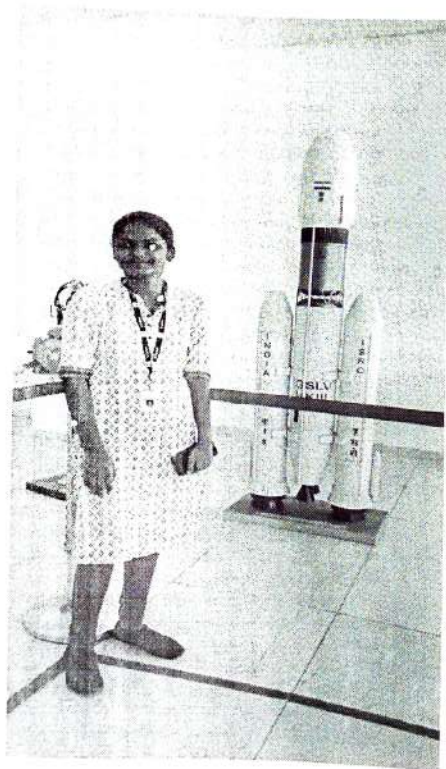



CSE,EEE,ECE,MBA Department Students Industrial visit to "INFOSIS" on 17.02.2022

  
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Scient Institute of Tech  
K. J. Somaiya Institute of Technology



EEE.ECE Department Students Industrial visit to "NRSC" On 28.09.2021



  
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Scient Institute of Technology  
Brahmapuram, R. R. Dist.

**4. Integrated tools:** Students are encouraged to enroll in online courses like SWAYAM PRABHS-DTH CHANNEL, NDL.

TO  
The Principal  
Scient Institute of Tech  
Brahmapuram.

Date  
27/02/2019

Sub:- Payment of Swayam Prasha  
DTH Channel - req.

Respected Sir,

This is bring to your kind information  
that, INTO Norms Purpose our College

Swayam Prasha DTH Channel installation


Charges Rs - 3492-00. [Three thousand four  
hundred ninety two only] i attached the bill  
pls sanction this amount.

So / Approved  
OK / Pur  
27/2/19

Thanking you,

Yours faithfully

Prashanth Reddy  
Librarian.

  
PRINCIPAL  
Scient Institute of Technology  
Brahmapuram, R. R. Dt. - 501 5

**SWAYAM Prabha DTH channels - way to  
install**

**Buy DD Free Dish from the market**

Technical Parameters for Installation and configuration of the system

**Satellite - GSAT-15 from ISRO,  
Orbital location - 93.5 East, Ku-Band**

**Channel 1 to 16**

Receive frequency - 11590 MHz  
Symbol rate - 29500 Kbps  
Polarization - Vertical  
FEC - 3/4

**Channel 16 to 32**

Receive frequency - 11670 MHz  
Symbol rate - 29500 Kbps  
Polarization - Vertical  
FEC - 3/4

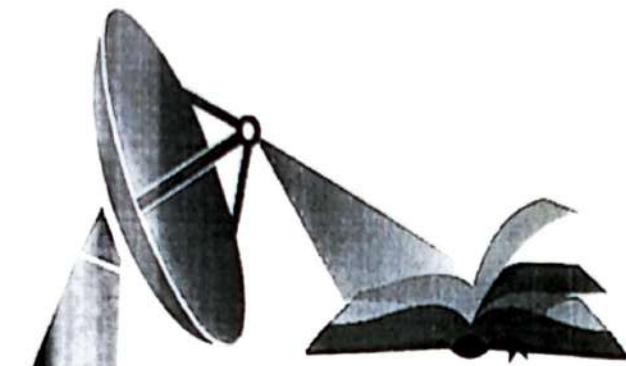
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SA. 2



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Scient Institute of Technolog  
Bramhapatnam, R. R. Dt - 501



# SWAYAM PRABHA

Free DTH Channel for Education \_\_\_\_\_

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A handwritten signature in green ink, appearing to be 'S. S. S.', written over a horizontal line.

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Central Institute of Technology  
Bhopal



5. Bridge Course:

**SCIENT INSTITUTE OF TECHNOLOGY**

Ibrahimpattam, R.R Dist 501506  
(NAAC Accredited, Approved by AICTE & Affiliated to JNTUH)

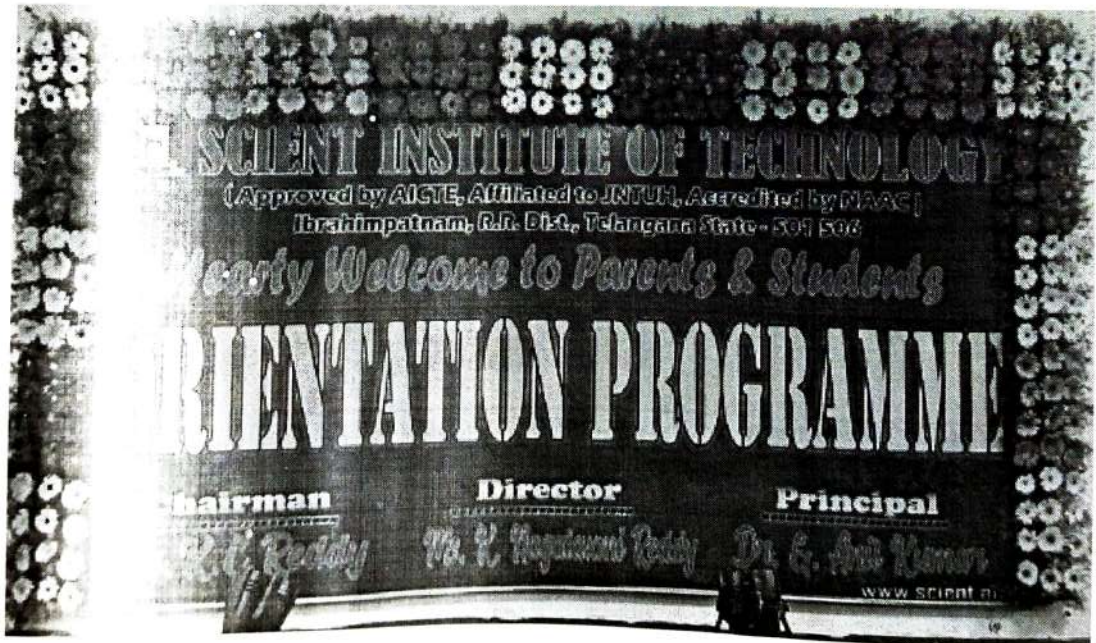
Department of H&S

**Orientation Day Program for A.Y. 2021-22**

Date: 27<sup>th</sup> November 2021

No. of Students attended: 180

In view of the commencement of Academic Year 2021-2022, SCIENT Institute of Technology (SNTI) conducted the Orientation Day programme. "The programme started with Introduction by The HOD – H&S Department and introduced Heads of all the Departments.



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Scient Institute of Technology  
Ibrahimpattam, R. R. Dist.

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

At the afternoon session the newly admitted students were taken for visit to 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, faculty members and friends.



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Scient Institute of Technology  
K. J. Somayajulu, G. R. Dt - 501 001

**6. E-Learning:** The institution provides NDLE, DELNET, N-DIGITAL, E-SHODH SINDU 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 NDLE Club**

Dear Shanker Reddy,

The request of SCIENT INSTITUTE OF TECHNOLOGY (SNTI) to set up NDLE 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) NDLE 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.iitkgp.ac.in/sign-up> to enroll themselves as member of the NDLE 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 NDLE 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 NDLE Club of SCIENT INSTITUTE OF TECHNOLOGY (SNTI) from the NDLE Club portal [club url](#) once you conduct 1st event of your NDLE Club (which may be NDLE User Awareness Session) within the next 30 days and that is attended by at least 100 members of the NDLE Club of SCIENT INSTITUTE OF TECHNOLOGY (SNTI).

This NDLE Club Certificate of Registration is valid for 12 Month and will be renewed every 12 Month, subject to the NDLE 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 NDLE 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**



**PRINCIPAL**  
Scient Institute of Technology,  
brahmapuram, R. R. Dt. -501 51

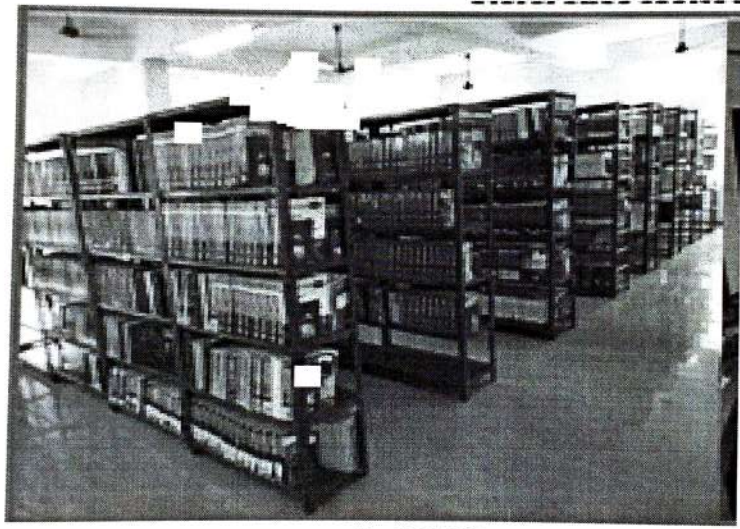
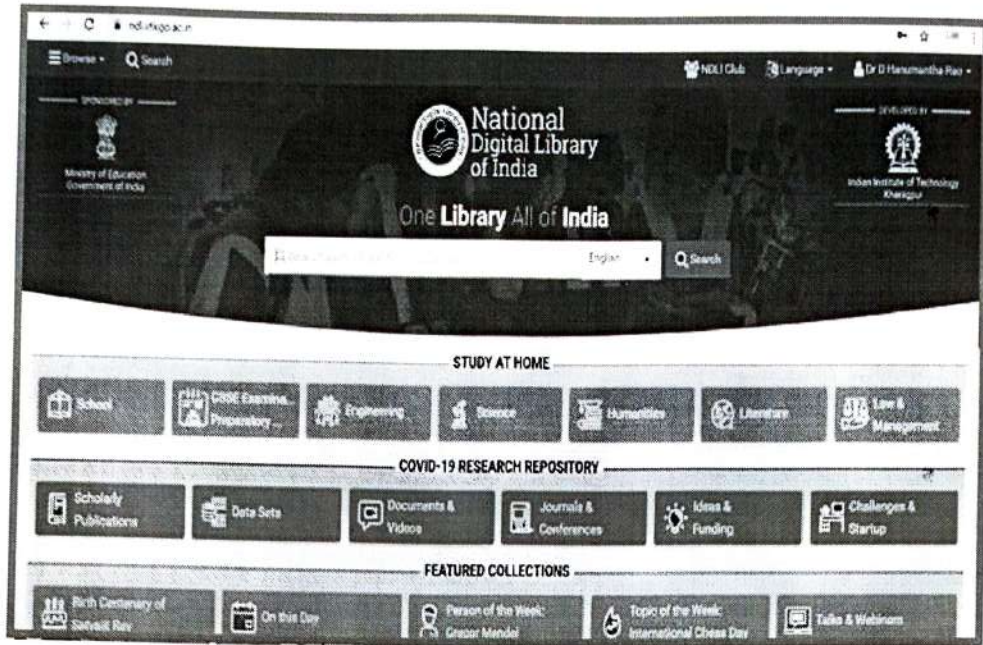
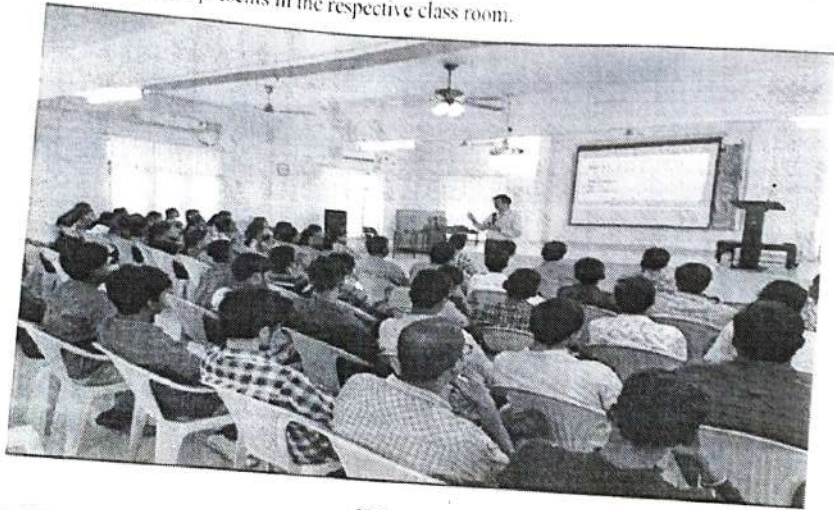


Fig. LIBRARY

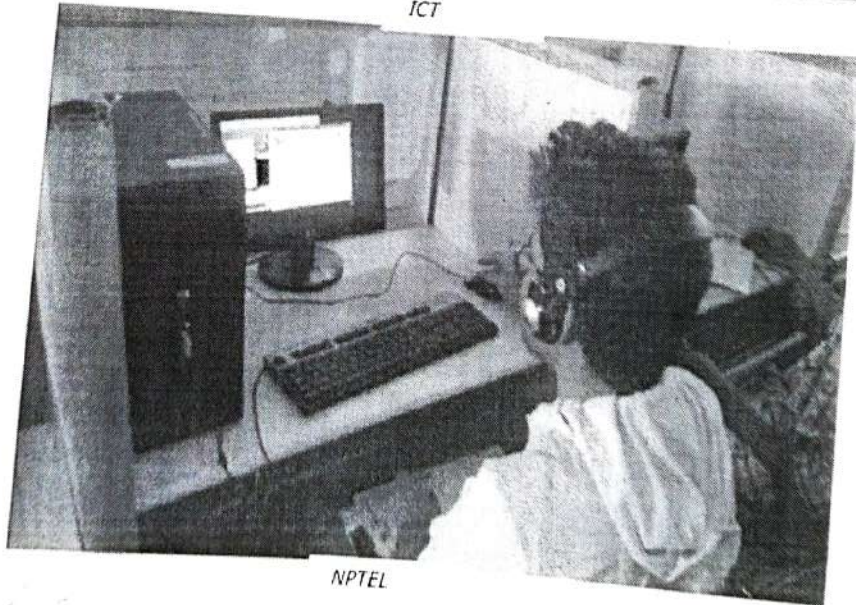
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**PRINCIPAL**  
Scient Institute of Technology  
Abhimanyu, R. R., DL-501 5

**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.



ICT



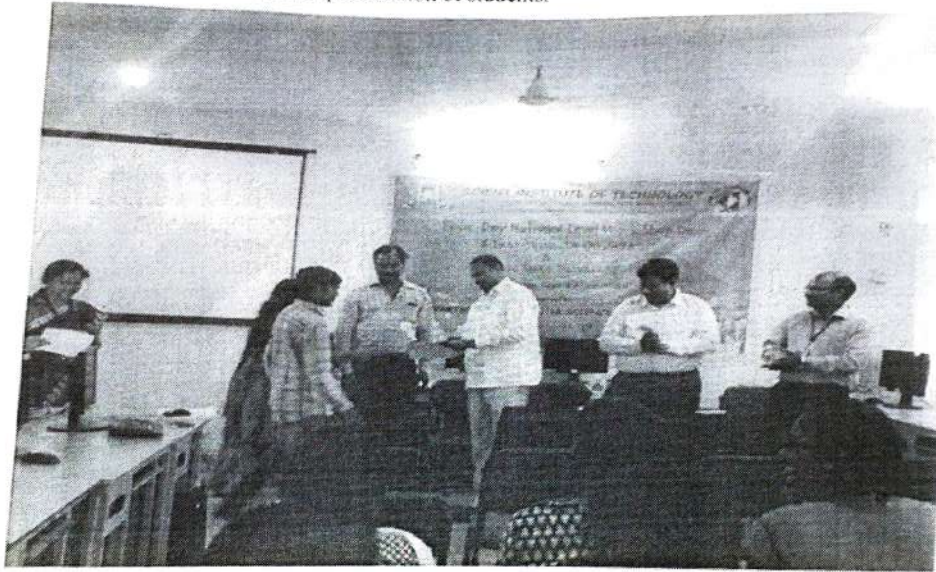
NPTEL

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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.



Work shop on Presentation Skills



*[Handwritten Signature]*  
Principal  
Scient Institute of Technology  
[Address and Contact Information]



*Workshop Program to Students and Faculty*



*[Handwritten Signature]*  
Principal  
School of Studies of Technology  
(B-1, Jyoti, K. K. Dt-501 50)

**Technical presentation:**



Faculty FDP at Scient Institute of Technology



*[Signature]*  
PRINCIPAL,  
Scient Institute of Technology  
[Address]



**Technical Club Activities:**



**యోగా చాంపియన్ దేవేందర్**

ఇవ్రహీంపట్నం: రాష్ట్ర స్థాయి యోగా పోటీల్లో గెయింట్ జంజీరింగ్ కళాశాల విద్యార్థి డి. దేవేందర్ ప్రథమ స్థానంలో నిలిచాడు. తెలంగాణ యోగా అసోసియేషన్ అధ్యక్షులలో 8వ రాష్ట్ర స్థాయి యోగా సోల్స్ ఛాంపియన్షిప్ సీనియర్ విభాగం(ఆండర్ 18-21)లో పోటీలు సమాప్తమైన తర్వాత స్టేడియంలో నిర్వహించారు. ఈ పోటీల్లో గెయింట్ కళాశాలలో డీటిక్ (ఈఈఈ) సెకండ్ ఇయర్ చదువుతున్న దేవేందర్ ప్రథమ స్థానంలో నిలిచాడు. ఈ సందర్భంగా నిర్వాహకులు రాష్ట్ర ఛాంపియన్ షిప్ పత్రాన్ని మోదల్ను అందజేశారు. అయితే, సవంబర్లో ఖైరాబాద్ నిర్వహించే నేషనల్ యోగా ఛాంపియన్షిప్ పోటీల్లో దేవేందర్ పాల్గొననున్నారు. ఈ సందర్భంగా



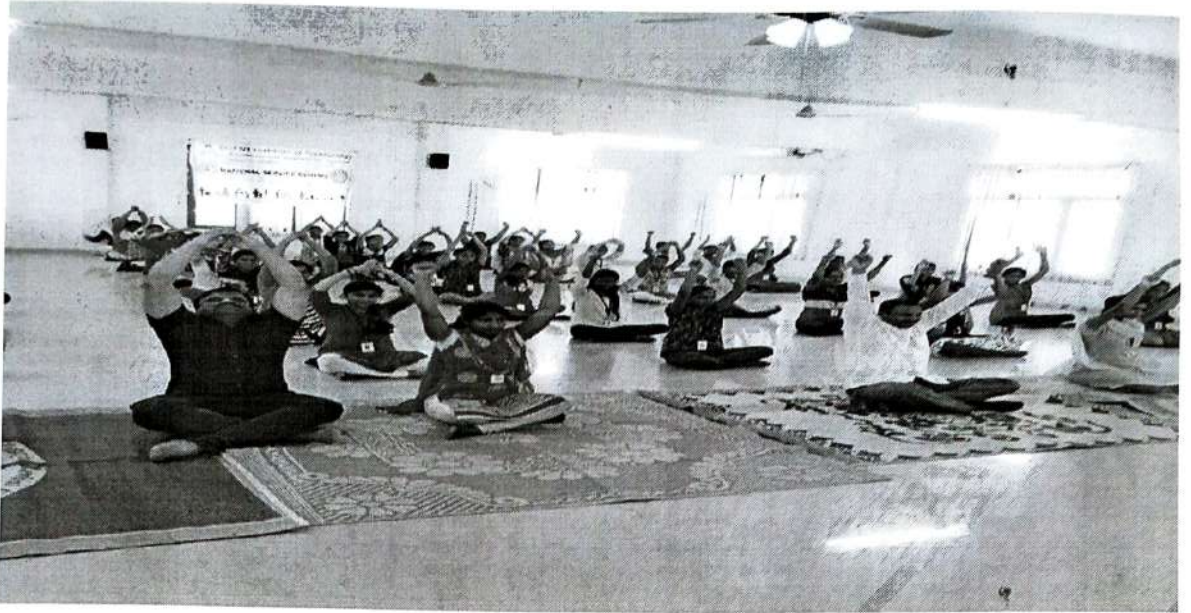
దేవేందర్ను అధినంబిస్తున్న ప్రెస్బిటర్ కళాశాల సెక్రటరీ కంచర్ల చంద్రశేఖర్ రెడ్డి దేవేందర్ను ఆభినందించారు. యోగా మన ధైర్యం దీన జీవితంలో ముఖ్య భాగం కావాలని తెలిపారు. దేవేందర్ నేషనల్ ఛాంపియన్ షిప్ సాధించాలని ప్రెస్బిటర్ ఆసిల్ కుమార్, హెచ్. ఓ.టి. శ్రీనివాస రెడ్డి తదితరులు ఆకాంక్షించారు.

Faculty & Students Yoga at Scient Institute of technology

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Scient Institute of Technology  
 (Bhimadole, R. T., Dt. -44)

Yoga Practice Sessions:



**SHORT PRESENTATION**

**IDEA:** To make students give a presentation on a given topic

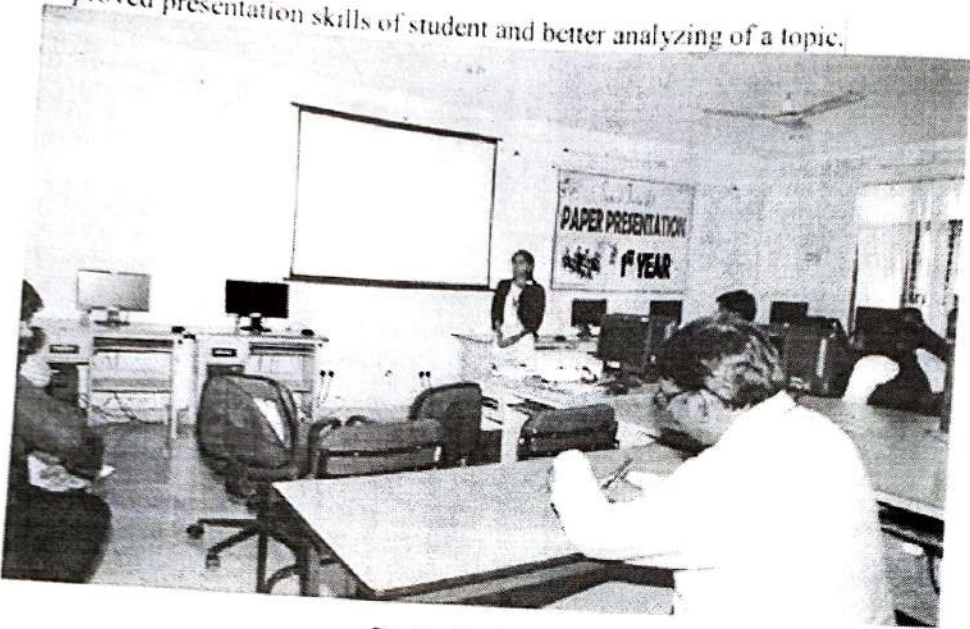
**IMPLEMENTATION:**

Selected 5 to 6 topics are given to some students.

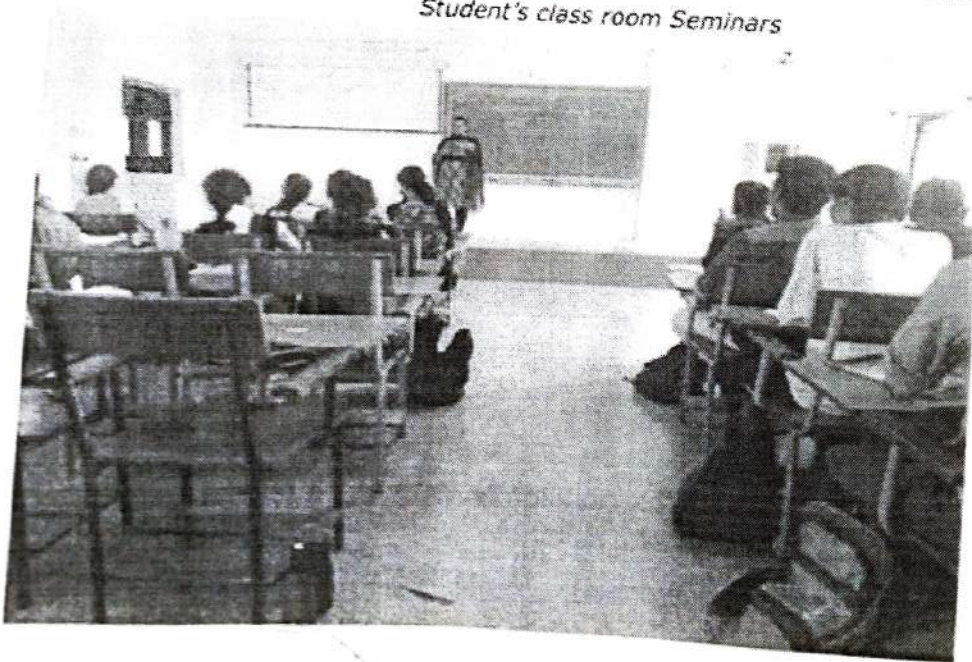
They are asked to prepare and give seminars on the given topics.

**OUTCOME:**

Improved presentation skills of student and better analyzing of a topic.



*Student's class room Seminars*



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Principal  
Science Department  
Government College, ...

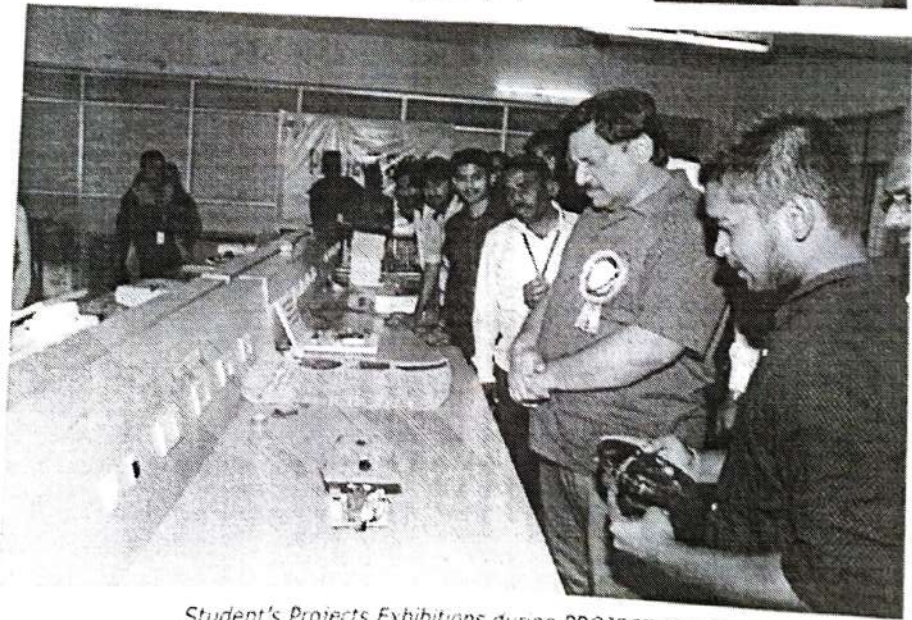
**GROUP PROJECTS**

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

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

**OUTCOME:**

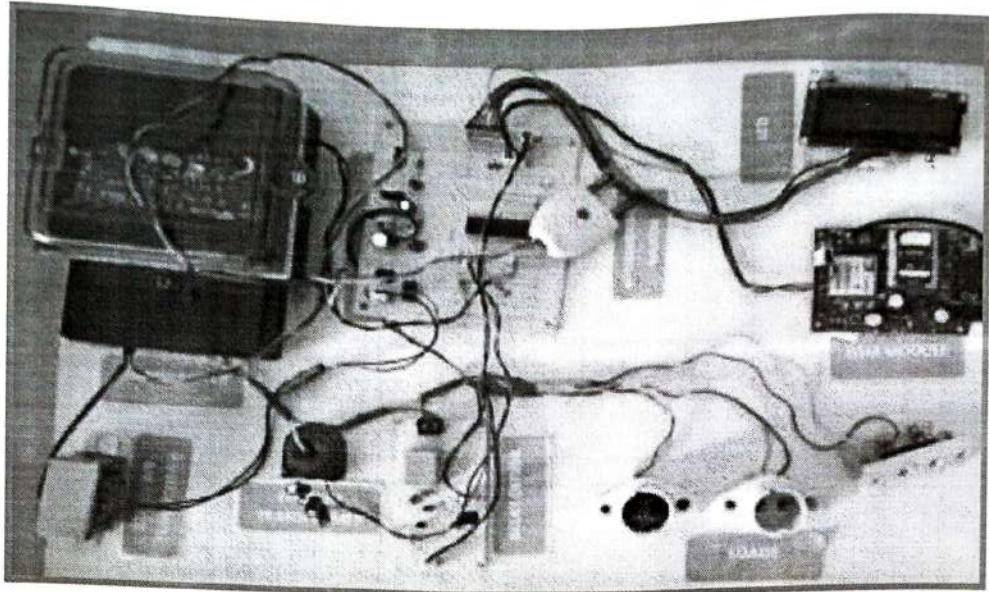
Bringing out the creative thoughts of students.



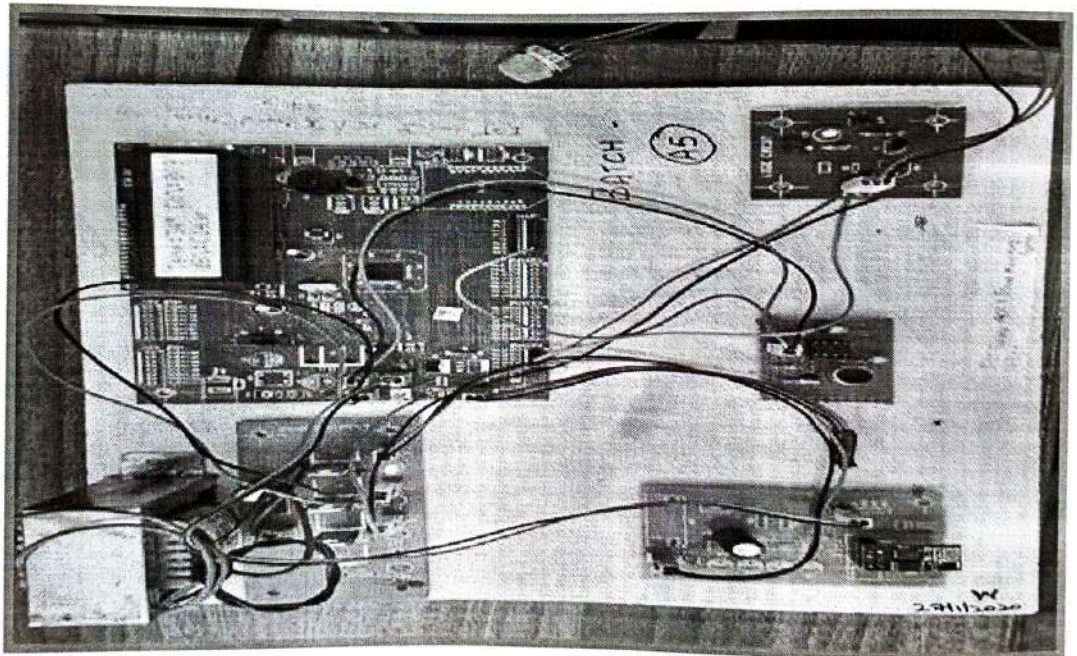
*Student's Projects Exhibitions during PROJECT DAY Contest*

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Scientist in Charge, Project Day Contest,  
The University of Jammu, Jammu



Students of EEE Department developed a simple low cost **“Wireless GSM Energy Meter”**



  
**PRINCIPAL**  
Jalant Institute of Technology  
Jalant, B. P. Dt. - 501

**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.



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PRINCIPAL  
Sri Sri Institute of Technology  
Opp. to [unclear] B.K. Rd.

### MIND MAP

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

**IMPLEMENTATION:** Following image is shown to students and they are asked to discuss it among themselves. *Topic name (represent diagram example related to that topic)*

### OUTCOME:

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



*Students Experiential Learning*



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Sahil  
Sahil  
(Date: \_\_\_\_\_)

### Z TO A APPROACH

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

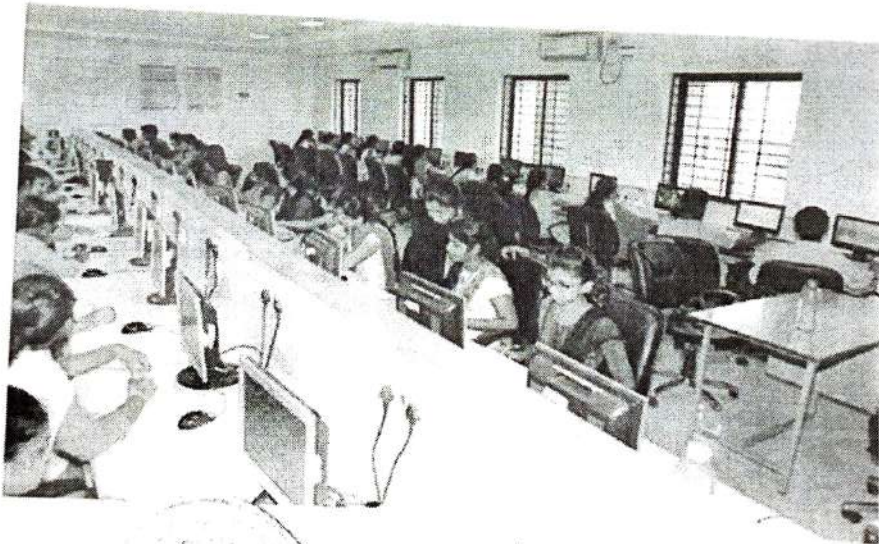
### IMPLEMENTATION:

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 I/O ports then discuss the 8255 architecture.

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



*Students Coding Contest*



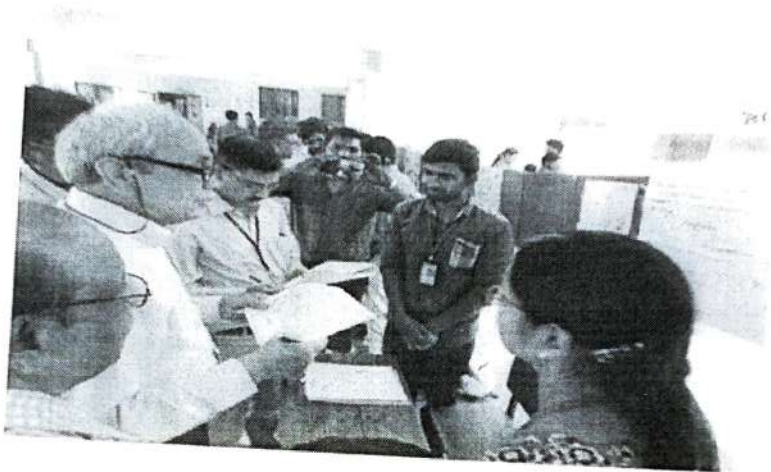
*[Signature]*  
PRINCIPAL  
Scient. In. Dept. of Computer Engg.  
Bannur, K. N. E. T. College



**ROLE PLAY**

**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 classroom. 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.



*Students Role Play during Projects Demonstration*

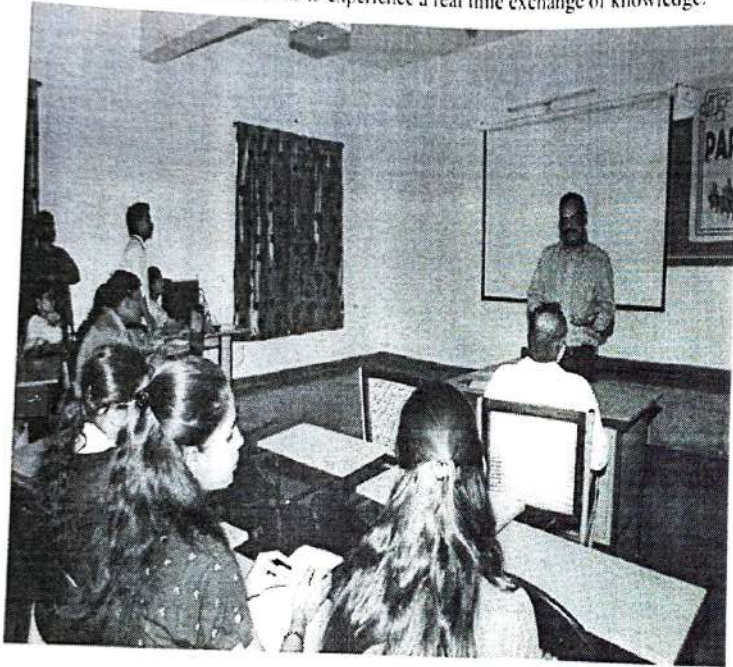
*[Handwritten signature]*  
Faculty member

### **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 presentations*



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[Faint, illegible text]