



# K.S.INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

## DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

### INDUCTION PROGRAM REPORT 2021-22

The purpose of the Student Induction Program is to help new students of the college to adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution help them build bond with other students and faculty.

Student Induction Program engages with the new students as they come into the institution before regular classes starts. At the start of the induction the students will be familiarized with the institution process, practices, culture and values.

#### **Welcome address by Dr. Dilip Kumar K, Principal, KSIT**

Dr. Dilip Kumar K, Principal emphasized the need for developing good communication as it plays a very important role in professional lives. He advised the students to develop the urge for learning new technologies and utilize the services of the excellent faculty in college. The principal informed the students about the weeklong Induction Program orientation to the various department would commence from 13-12-2021 and continue till 18-12-2021. He urged the students to attend the Induction program as it would be very informative and help the students to be aware about the VTU rules and regulations.



## Talk on Universal Human Values

**Delivered By: Mrs. Anuradha M V**

The talk on Universal Human Values was attended by first year students of CSE and CSD branches on 13-12-2021 from 8.30am-10.00am at Conference Hall and ECE, AI&ML and ME branches on 17-12-2021 from 8.30am-10.00am at Seminar Hall.

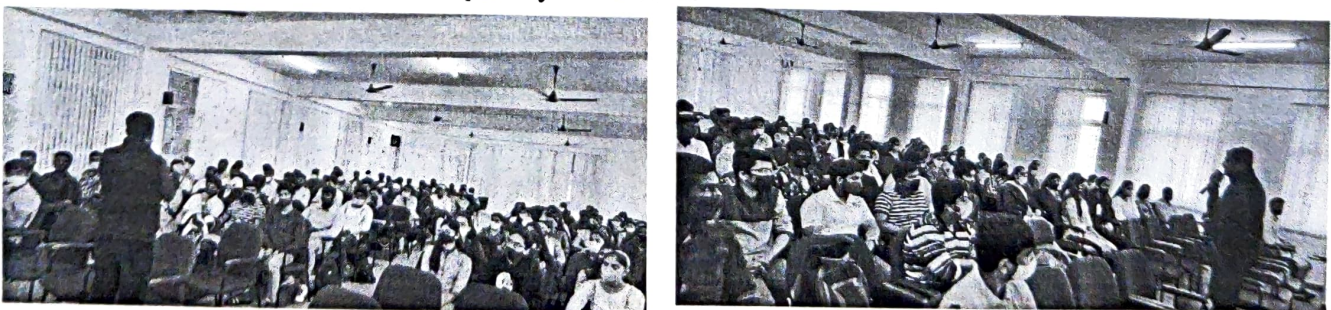
The Induction program was an orientation to the students on Universal Human Values which has been made mandatory by the AICTE to be incorporated in the Induction program for the I semester students. The talk was delivered by Prof Anuradha, she holds degree in Law & has practiced at the High Court of Karnataka and has more than 12years of teaching experience. Professor Anuradha urged the students to tread the ethical way. She highlighted the importance of human values at various stages including education and career (personally and professionally). Professor Anuradha emphasized how human values encompasses morality, societal, psychological aesthetic, ethical and spiritual aspects She also went to explain that as future engineers they should develop a good and practical sense of human values so that they can fruitfully contribute to the societal development.



## ORIENTATION FROM DEPARTMENT OF PHYSICS

**Delivered By: DEPARTMENT OF PHYSICS FACULTIES**

This Induction program was conducted by Physics faculty member Prof. Sunil Kumar N on 13.12.2021 from 08:30 am to 10.00 am for first year students of CSE & CSD at Conference Hall and 14.12.2021 from 08:30 am to 10.00 am for ECE, AI&ML and Mechanical Branch at Seminar Hall. The talk was given on the importance of Physics in engineering and the interesting concepts of physics. The students were very eager to know the interesting facts of physics and learn new things. They were introduced to engineering physics and the new concepts they would learn.



## ORIENTATION FROM DEPARTMENT OF MATHEMATICS

**Delivered By: DEPARTMENT OF MATHEMATICS FACULTIES**

This orientation program was given by Mathematics department for first year students of ECE, AI&ML and ME branches on 13-12-2021 from 10.30am t-12.00pm at Seminar Hall and CSE and CSD branches on 13-12-2021 from 1.30pm-3.00pm at Conference Hall.

Dr. Jalaja P, Associate professor, Department of Mathematics, gave orientation to the first-year students. She explained students about mathematics and its application in various fields. She gave knowledge about why Mathematics is important for engineering students of different engineering branches. She shared few essential tips with the students on how they can improve their skills on solving problems. Meanwhile Department of mathematics faculties conducted quiz to test the IQ level of the students and distributed prizes for the winners, after that we played few videos to inspire students how mathematics plays important role in day-to-day life. Finally, speaker inspired all first-year students and gave few tips to improve their knowledge in mathematics and the Program completed in a positive way with question-and-answer session.

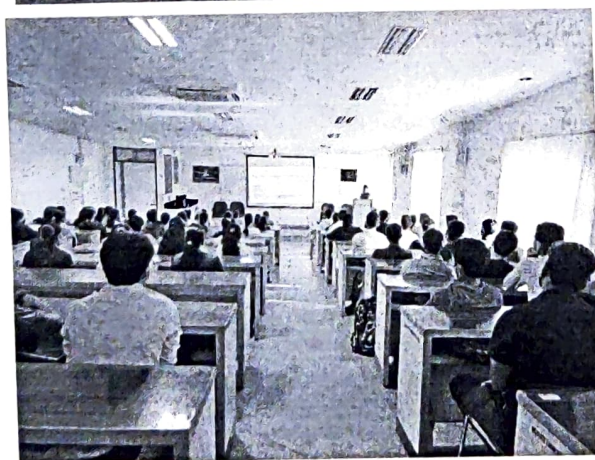
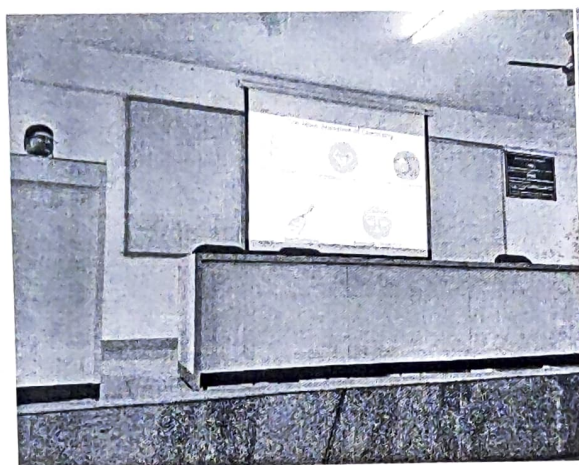


# ORIENTATION FROM DEPARTMENT OF CHEMISTRY

**Delivered By: DEPARTMENT OF CHEMISTRY FACULTIES**

This orientation program was given by Chemistry department for first year students of CSE and CSD branches on 13-12-2021 from 10.30am-12.00pm at Conference Hall and ECE, AI&ML and ME branches on 14-12-2021 from 8.30am t-10.00am at Seminar Hall.

Dr. Kiran Kumar S.R, Assistant professor, Department of Chemistry, holds a PhD from Kuvempu University and has more than 13 years of teaching experience. He gave orientation to the first year students. He explained students about Chemistry and its application in various fields, safety rules to be followed in chemistry lab. He gave knowledge about why chemistry is important for engineering students of different branches like civil engineering, mechanical engineering, Aeronautical engineering and electronics and communication engineering. He also explained why research is important for Engineers. He shared few essential tips with the students on how they can start their research and showcase their talents, by providing few essential links through the student can be benefited either by getting required materials to carry out their research. All this has inspired many students to start research on some topic and explore the knowledge.



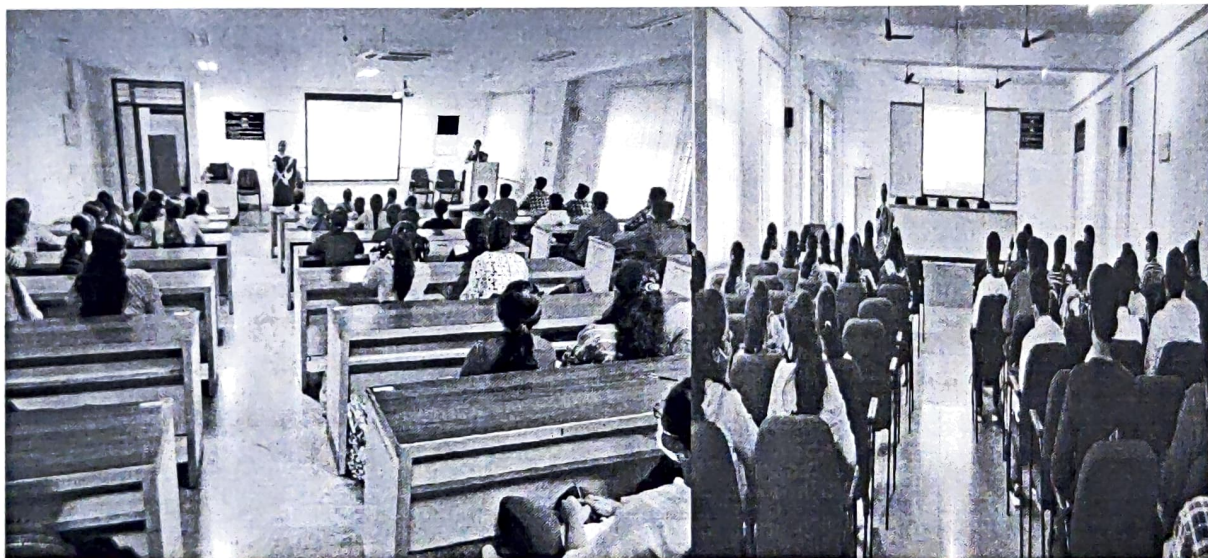
## ORIENTATION FROM COVID-TASK FORCE

**Delivered By: Dr.Surekha ,COVID-TASK FORCE CHIEF**

This orientation program was given by COVID-TASK FORCE for first year students of ECE, AI&ML and ME branches on 13-12-2021 from 1.30pm t-3.00pm at Seminar Hall and CSE and CSD branches on 14-12-2021 from 1.30pm-3.00pm at Conference Hall.

Dr. Surekha, professor, Department of Electronics &Communication, gave awareness to the first-year students about the COVID protocols need to be followed in the college premises. She instructed the students to submit a hard copy of vaccine certificate to the respective class teacher. She also addressed that student should undergo thermal screening before entering the class and report to COVID cell desk, students should maintain social distance in college premises. She advised the students to carry their College ID card, personal sanitizer, tissues, food and water bottles. She also instructed the students to avoid touching their eyes, nose, mouth, and large gathering on campus. Symptomatic persons will not be permitted to enter the campus

Finally, speaker concluded by saying Self-discipline is the most important to contain the spread of COVID-19 pandemic through social distancing and maintaining hygienic condition and requested all first year students to follow the protocols to stay away from Novel-coronavirus.



## ORIENTATION FROM PLACEMENT CELL

**Trainer Name: BEENA**

This orientation program was given by trainer Mrs. Beena on 14.12.2021 at 1:30 pm – 3:00 pm for First year students of CSE and CSD branches at Seminar Hall and 18.12.2021 at 10:30 a.m – 12:00 pm for ECE, AIML and MECH branches at Conference Hall. Mrs. Beena given information about “Importance of training for engineers”. She also explained about to improve teaching learning process, by skill development, critical thinking, team work to achieve excellence. Mrs. Beena given training about computational skills, effective communication, problem solving skills and creativity of new things by doing research.




**Resource person: Dhiraj .Abhimanyu.Rao**

Dhiraj. Abhimanyu. Rao given demo on “CRITICAL THINKING” on 15.12.2021 at 1:30 pm – 3:00 pm for First year students of branches CSE and CSD at seminar hall and on 16.12.2021 at 1:30 pm – 3:00 pm for ECE, AIML & MECH branches. He also explained about to innovation, personality development, soft skills, group discussion, pre placement training, team work to achieve excellence by doing research. Also followed with Demo on "Energy and Environment" by Kumaraswamy Ex-Member Secretary of Pollution control board.

**KSIT**

Organizes Technical Talk on  
**“Critical Thinking”**

  
Resource Person  
Dhiraj Abhimanyu Rao, BE(E&C)  
Tech Lead, Bu Ia Soft

Target Audience :  
First Year Engineering Students

Date : 15<sup>th</sup> and 16<sup>th</sup> Dec 2021  
Time : 1.30 P.M to 3.00 P.M  
Venue : Seminar Hall



## ORIENTATION ON APPLICATIONS OF PROGRAMMING

**Delivered By: Dr. Ram P Rustogi , HOD (AI&ML)**

This orientation program was conducted by Dr Ram P Rustagi on 15.12.2021 from 8:30 am to 10.00 am for first year students of ECE,AI&ML and ME branches at conference hall and on 16.12.2021 from 8:30 am to 10.00 am for CSE and CS&D branches at seminar hall.

Dr Ram P Rustagi, The HOD of AIML branch enlightened the students about “ Why computing and Why programming/ Application of Programming” .

The talk emphasized on software, technology evolution, data evolution, storage, networking- Internet, encryption. He spoke about the software field perspective depends upon user like gaming teens, retired persons, and commercial enterprises. Data evolution is the oldest human derived data around 7500 BCE. The oldest are genesis, telegraph service, UseNet, later came, blogging and coding, programming. Then the era of youtube, facebook and twitter.



## ORIENTATION FROM SOME INTERESTING AREAS OF REASEARCH

**Delivered By: Dr. Joy Prabhakar**

This orientation program was conducted by Dr. Joy Prabhakar on 15.12.2021 from 8:30 am to 10.00 am for first year students of CSE and CS&D branches at seminar hall and on 16.12.2021 from 8:30 am to 10.00 am for ECE, AI&ML and ME branches at conference hall.

Dr Joy Prabhakar, Professor gave a talk on “Some interesting Areas of research”. The students were very informative, the history of research during world war –II. The evolution of floppy disk to hard disk. Comparison between phone and computer with respect to MB and GB. He even emphasized on research at KSIT. Data analytics and AI annual variation of google search temperature and humidity in Karnataka, Autonomous. Edge detection in a MRI image of heart., CS Ingest – Patent was also elaborated to the students. Overall idea of research and importance was shared to the students.



## ORIENTATION BY STORY TELLER-ROHITH SARASWATHI

**Date:** 14.12.2021

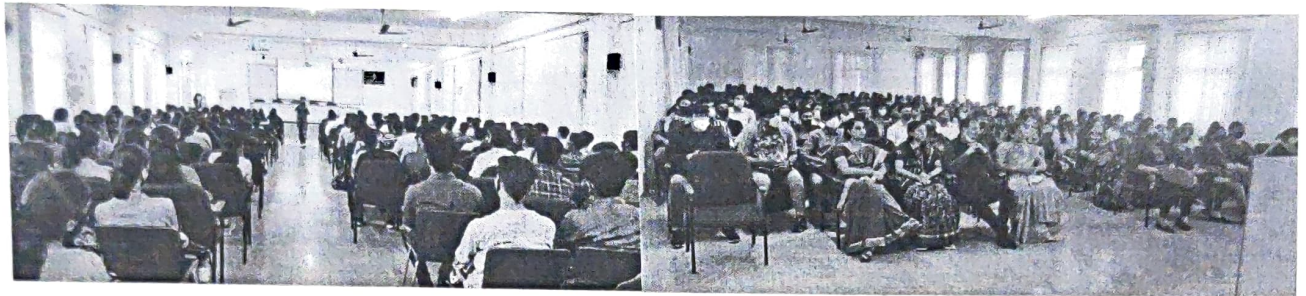
**Time:** 10.30am-12.pm

**Venue:** Conference Hall, KSIT

**Branches:** CSE, CS&D, ECE, AI&ML and ME

The speaker Rohith Saraswathi a student, a teacher, a traveler, an avid reader, a mountaineer, a career counselor and a motivational speaker. He claimed Mount Everest the tallest peak in the world not once but twice. He shared his journey and all the difficulties he faced in his life and climbing Mount Everest. He motivated the students such a way that they should not take back step in any situation and guided them on how they should reach their dreams.

“Believe in yourself and all that you are. Know that there is something inside you that is greater than any obstacle” with this quote speaker ended the session creating positive vibrations among the students.



## ORIENTATION BY HEARTFULNESS MEDITATION

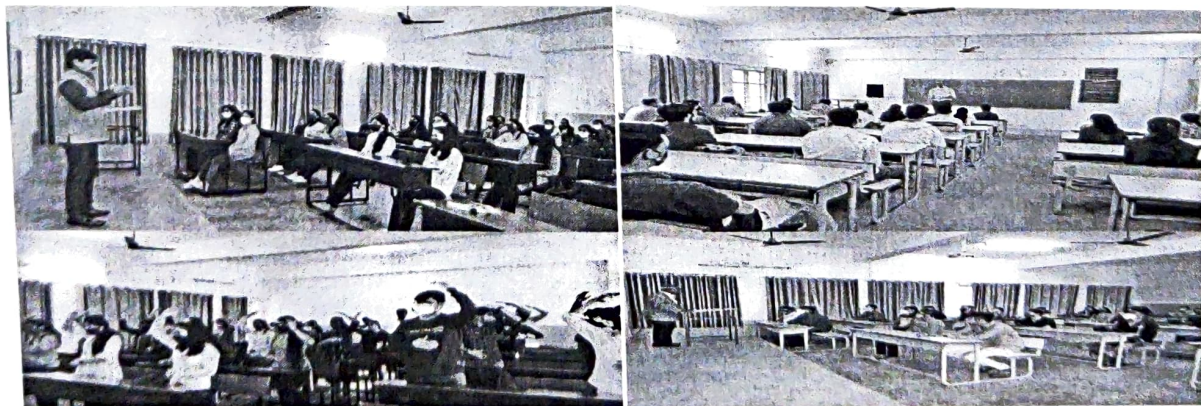
**Date:** 15.12.2021

**Time:** 10.30am-12.pm

**Branches:** CSE, CS&D, ECE, AI&ML and ME

**Delivered By:** Manoj Agarwal, Dr. A Perumal, Dr. Rajeshwari Hegde, Kishore Ludhani and Shakthi.

All the first year students were divided into five groups and made them to sit in a separate class rooms. Each room was assigned by the professionals from Heartfulness Meditation. They explained the importance of meditation how it makes students to lead their lives in new light, also they taught students how they should give time to themselves. Explained various concerns and factors involved in human life and also made students to play mind games. Finally they conducted the meditation session for 20 minutes.





## ORIENTATION ON CSI/BITES/Hackathon

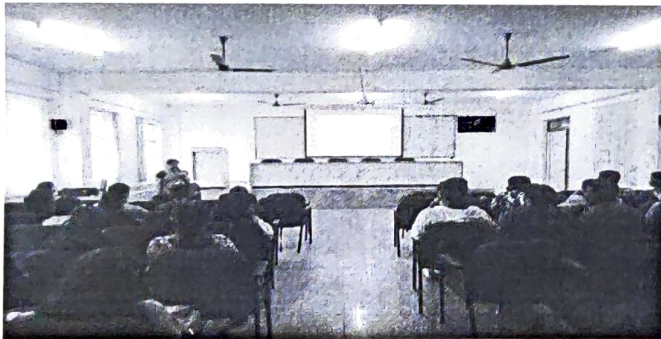
**Delivered By:** *Dr. Deepa S.R, Dr. Vaneeta, MrsBeena K*

This orientation program was conducted on 15.12.2021 from 1:30 pm to 3.00 pm for first year students of ECE, AI&ML and ME branches at conference hall and on 16.12.2021 from 10:30 am to 12.00 pm for CSE and CS&D branches at seminar hall.

The Speaker **Dr. Deepa S.R** introduced about CSI professional body. CSI is a non-profit professional society and meet to exchange views and information, learn and share ideas. Students can get Technology updates through Conferences, Seminars, Tutorials & workshop at discounted rates.

The Speaker **Dr. Vaneeta** briefed about (BITES) Board for IT Education Standards is a non-profit Society set up by the Karnataka Government, in association with IT industries and educational institutions, to enhance the quality of IT education and help build quality manpower for the IT industry. It Promote excellence and enhance quality of education.

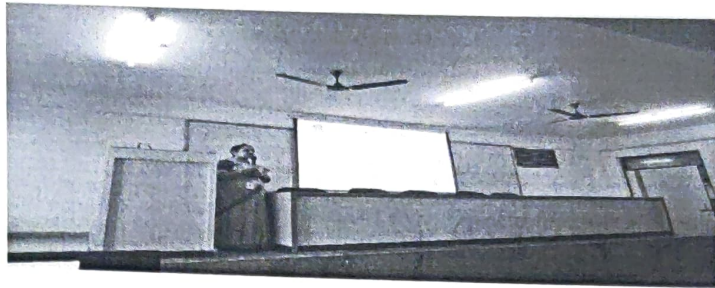
The Speaker **MrsBeena K** shared the views about how to start thinking to formulate ideas in Hackathons. A hackathon is an event of duration where people come together to solve problems. Hackathons bring people with technical backgrounds together to form teams to solve a problem or develop new ideas. She gave insights about few domains where solutions can be given for real world problems by the students. She briefed about students winning at KSIT in Smart India Hackathon, Toycathon and Manthan. She did interact with students, ask them to focus on innovation and creativity in their thinking. The talk was informative and created motivation in students to participate in Hackathons.



## ORIENTATION FROM IQAC

The talk on Internal Quality Assurance Cell (IQAC) was given by Dr. CHANDA V. REDDY on 17-12-2021 from 8.30am-9.15am for first year students of AI & ML, ECE, MECH branch students at conference hall and on 18-12-2021 from 8.30am-9.15am for CSE&CSD students at seminar hall, with the objectives to gain insights about various information in the college.

Speaker introduced about IQAC and discuss about Institute Vision & Mission of KSIT college. It Promote excellence and enhance quality of education in the college. Also, the speaker briefed about Outcome Based Education (OBE), Bloom's Taxonomy, Quality of internal Assessment Question papers, Student Centric Policies & Utilization, Roles of IQAC, Quality Assurance Initiative and Impact.



## ORIENTATION FROM LIBRARY AND INFORMATION CELL

**Delivered By: Dr. V BHARATHI, Chief Librarian**

This orientation program was conducted by Library and information cell on 16.12.2021 from 1.30 pm to 3.00 pm to first year students of CSE & CSD branches and also on 17.12.2021 from 1.30 pm to 3.00 pm for ECE, AI&ML and ME branches.

Dr. V BHARATHI, Chief Librarian, gave orientation to the first-year students. She explained students about rules and regulations need to be followed in Library, she also addressed that student should carry their Library card and scan while entering the library. She gave information to students on how they can get access to the books and get connected with the KSIT library website. After explaining all the essential information, she took the students to library and reading room, so they can experience where exactly they can find their respective subject reference books.



## ORIENTATION FROM TEAM REDLINE RACING – BAJA

**Delivered By:** Dr. Nagaprasad K.S, faculty advisor of team Redline Racing Dept. of Mechanical Engineering.

**TEAM MEMBERS:**Jagruth S(Captain), Gagan Kumar G(Vice Captain), Anirudh Srivatsa, Sumukha T V Bhavan Kashyap, Arun Kumar M, Sanjay V, Manoj Reddy R, Tilak Venkataraman G Bhat.

This orientation program was given by Dr. Nagaprasad K Son 17-12-2021 from 9.15am-10.00am for first year students of AI & ML, ECE, MECH branch students at conference hall and on 18-12-2021 from 9.15am - 10.00am for CSE&CSD students at seminar hall.

Team members gave brief introduction about the Team Redline Racing -SAE Baja India and Mega ATV Championship. Then the presentation was carried over by Bhavan Kashyap and he gave detailed description about the SAE club, the origin of the SAE club and Mega ATV Championship. And our team mate Anirudh Srivatsa continued by explaining the details about the current event ie,. E-BAJA and why E-Baja came into picture. Then the details of fabricating an ATV and describing the designing and 3D modeling and also design analysis using various design software, PVC model making, process of welding and fabrication of the chassis etc. Then the information about the static events like design validation, cost validation and sales validation etc,. And also about the dynamic events like technical inspection, brake test, sledge pull, drag race, armageddon (suspension test) and finally the ENDURANCE RACE. Then after the presentation there was interaction of the Redline Team with the students.



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ORIENTATION

**Delivered By: Dr. REKHA B VENKATAPUR**

This orientation program was delivered by Dr. Rekha B Venkatapur, Head of the Department of Computer Science and Engineering department on 18.12.2021 from 10.30am-12.00pm for first year students of CSE & CSD branches.

She gave information about student achievements in securing VTU Ranks, methods used to improve teaching learning process. She explained about B.E honors degree by VTU to enhance professional development. She also briefed about students achievements in National level HACKATHON.



## ORIENTATION FROM IEEE/ISTE/IEI

**Delivered By: Dr.Jayasudha and IEEE Volunteers**

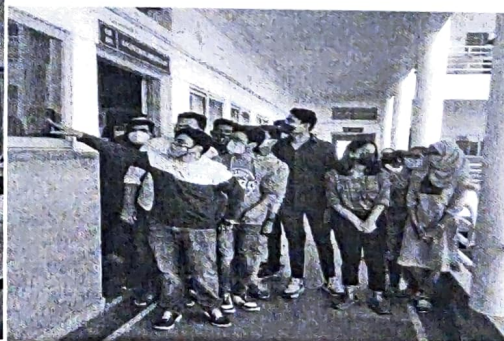
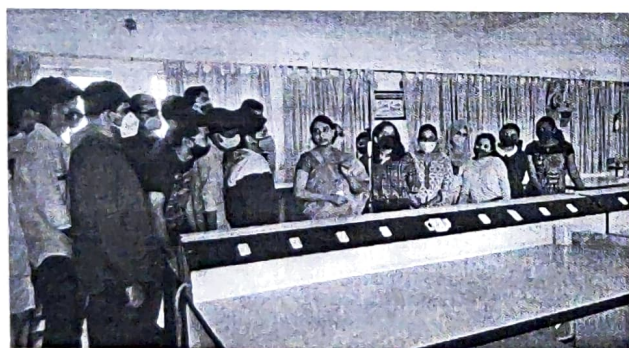
This orientation program was conducted by ECE faculty member Dr Jayasudha and IEEE volunteers on 16.12.2021 from 10:30 am to 12.00 pm for first year students of ECE, ME and AI&ML Branches and also on 17.12.2021 from 10:30 am to 12.00 pm for CSE and CS& Design Branches. The talk was given on the topic "Introduction to Professional Bodies IEEE. The session was all about professional bodies (IEEE), the membership and the advantages of the membership. The benefits like conduct talk, seminars, workshops etc. the member ID helps reduce the fee for participation and publish their work in monthly magazine. The events of IEEE were also shared with students.



## DEPARTMENT TOUR FOR PHYSICS CYCLE STUDENTS

The department tour was conducted on 17.12.2021 from 1:30 pm to 3:00pm for first year students of CSE and CSD Branches.

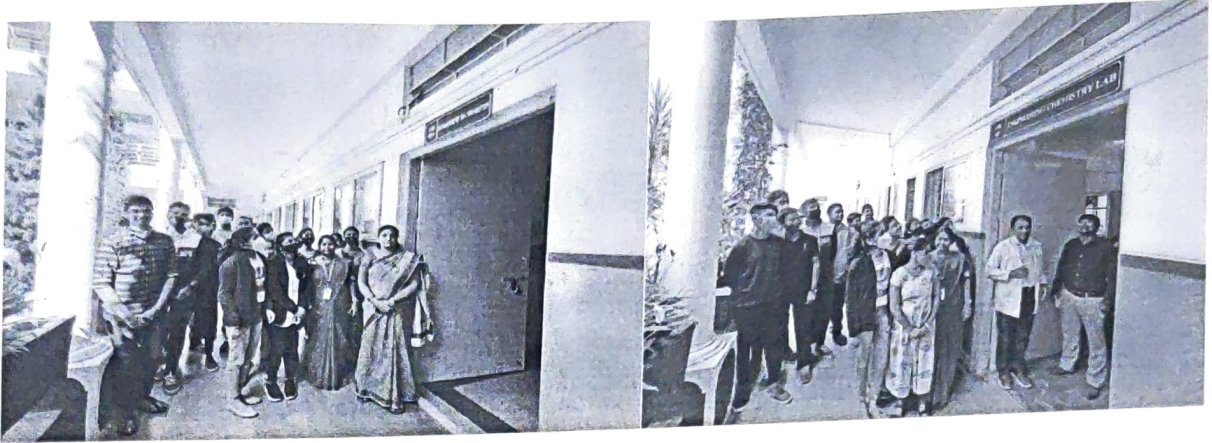
The students were accompanied by physics faculty Kavya T N, Mathematics faculty Lakshmi C, physics attender Dhanamma. The tour started at 1:30pm. Firstly, they visited CAED Lab where students got to know about the software solid edge that they will use in CAED lab, from there they moved to electrical lab their students were taught about safety measures they have to take before entering the lab then they visited physics lab. In physics lab they have shown instrument set up of experiments to be conducted in physics lab, next they visited their respective classes and lastly, they visited sports department, Computer science department and Mathematics department the tour ended at 3:00 pm.



## DEPARTMENT TOUR FOR CHEMISTRY CYCLE STUDENTS

Department tour initiated by faculties of Basic science and Humanities on 18.12.2021 at 1:30 p.m. to 3:00p.m First year students of branches, AI& ML, ECE and MECH involved in this tour.

Department tour helps to get information about the department faculties (chemistry, Physics and Mathematics), facilities of department and laboratories, classrooms and R&D etc.



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Coordinator

*Jagi*  
HOD

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*S. Kumar G*

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