

**Talk on**

**“Unlocking Innovations for Transforming the Technology of Tomorrow”**

**Date of Conduction: 22-07-2023**

**Venue: Conference Hall, KSIT**

**Time: 11.00 AM – 12. 30 PM**

**Duration: 1 hr 30 minutes**

**Expert Details–**

**Name: Dr. Malini.S**

**Designation: Assistant Professor**

**Organization: B.M.S. College of Engineering**



**Brief Profile about the Expert:**

**Dr. Malini. S**, Academic achievements include 18 years of dedicated competent teaching and research activities with over 25 publications in reputed peer reviewed journals. She is presently serving as an Assistant Professor in Department of Chemistry, BMS College of Engineering, Bangalore and has previously worked at Dayananda Sagar College of Engineering, PES group of Institutions and AMC group of Institutions. She is a Life Member of Electrochemical Society of India, Luminescence society of India and is involved in organizing student centric collaborative academic and co-academic activities. Her research interests cover several aspects of Synthesis and applications of Nano oxides, Nanocomposites, and pharmaceutical drugs, mainly focused towards catalysis, kinetics and electrochemical study.

**Description of the Event:** Talk on “Unlocking Innovations for Transforming the Technology of Tomorrow”

Dr. Malini.S described about various Innovative ideas for environmental monitoring by using ideas of Artificial Intelligence, IOT and coding system, engineering applications of sensors, Mile stones of Engineering achievements in the world.

**Objectives / Key Highlights:**

- To provide the basic understanding about engineering chemistry.
- To provide knowledge on sensors.
- To provide knowledge on alternative green fuels to meet present challenges.
- To provide knowledge on management of E-Waste.

**Participant details - No. of Participants: 160**

**Students (internal/external): Internal (2<sup>nd</sup> SEMESTER CSE &IOT)**

**Faculty: Dr. Jalaja.P (H O D ,AS&H)**

**Mrs. Anuradha.M.V**

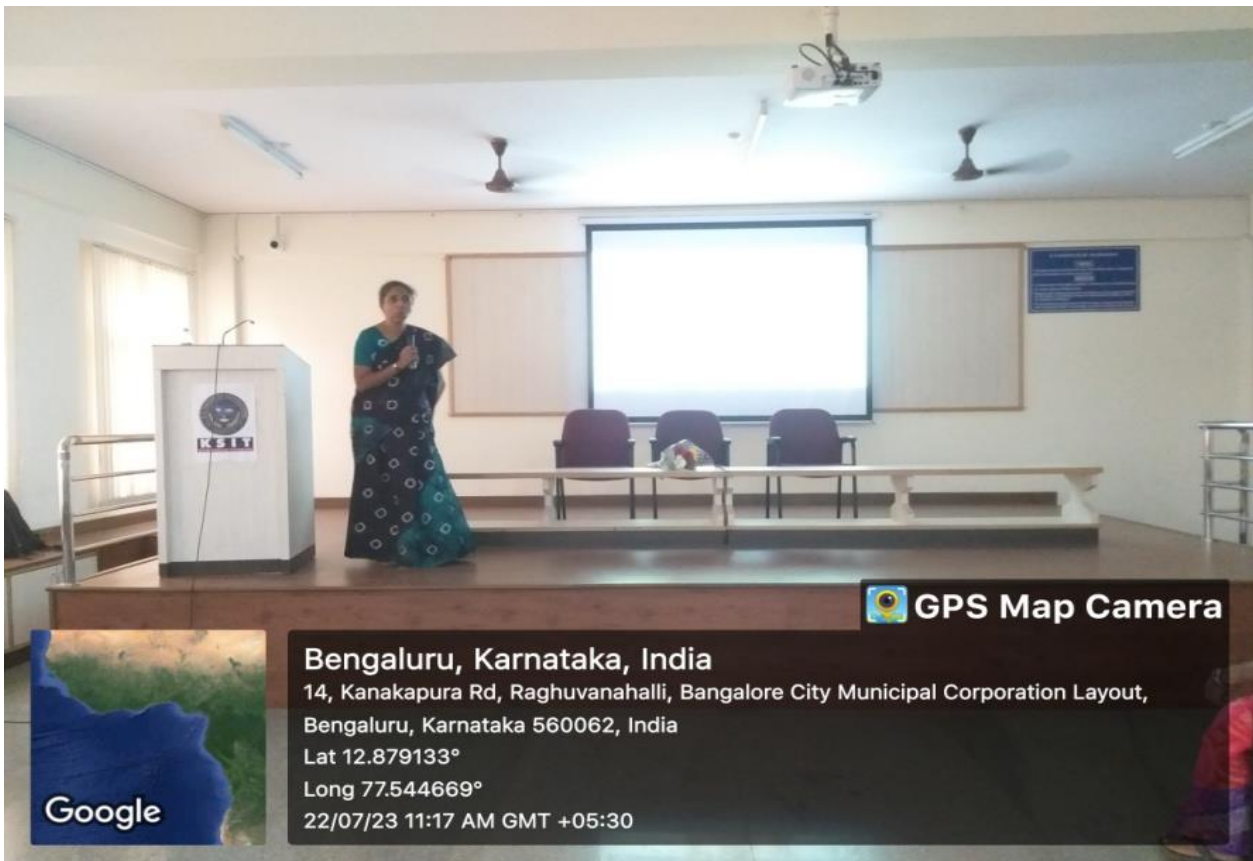
**Dr. KiranKumar.S.R**

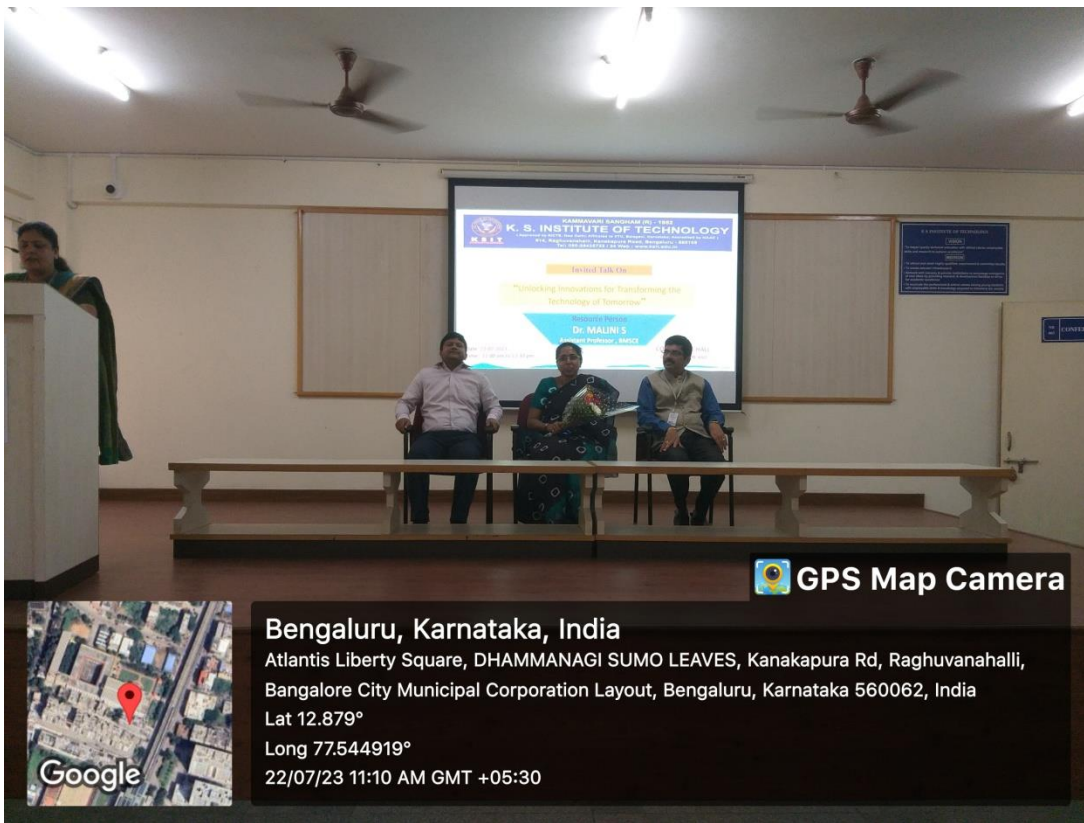
**Mrs. Shylaja.K.R**

**Mrs. Radhika.N.P**

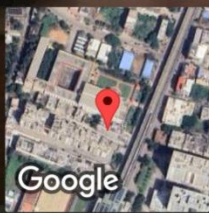
**Dr. Harisha**







GPS Map Camera



**Bengaluru, Karnataka, India**

Atlantis Liberty Square, DHAMMANAGI SUMO LEAVES, Kanakapura Rd, Raghuvanahalli,  
 Bangalore City Municipal Corporation Layout, Bengaluru, Karnataka 560062, India  
 Lat 12.879°  
 Long 77.544919°  
 22/07/23 11:10 AM GMT +05:30



GPS Map Camera



**Bengaluru, Karnataka, India**

Atlantis Liberty Square, DHAMMANAGI SUMO LEAVES, Kanakapura Rd, Raghuvanahalli,  
 Bangalore City Municipal Corporation Layout, Bengaluru, Karnataka 560062, India  
 Lat 12.879°  
 Long 77.544919°  
 22/07/23 11:11 AM GMT +05:30

**Outcomes / Benefits:**

Students are able to apply the concepts of chemistry in multidisciplinary applications.

**PO Mapping:**

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Invited Talk	2	2	2	2								

**Coordinator**

**HOD**

**Principal**

**Radhika. N.P**



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109**  
**“Current Trend on Women’s Health and Wellness”**



**Date of Conduction: 22<sup>nd</sup> November 2023**

**Venue: Conference Hall**

**Time: 11:30AM to 12:30PM**

**Duration: 1 Hour**



**Sponsoring Bodies / Associating Organization: KSIT-Anti Sexual Harassment (ASH) committee**

**Expert Details–Name: Dr. Hemayathi Srinivasan**

**Designation: Director @ Srinivasa Health Care, Senior Consultant Obstetrician & Gynaecologist**

**Organization: Motherhood & Apollo Hospital**



Dr. Hemayathi Srinivasan comes with 15 years of experience. Areas of expertise and interest includes high risk management like Diabetes, Hypertension, Thyroid disorders, recurrent pregnancy loss, obesity, IVF multiple pregnancies, PCOS infertility and fetal medicine. Other area of interest includes premarital, preconception counseling, Tele fetal monitoring and community women health care programs. She has been empowering communities through delivering health talk on women's Wellness in school colleges and corporate. Dr.Hemayathi Srinivasan completed, MBBS from Coimbatore Medical College, she has done post-graduation in obstetrics and gynecology from diplomat in National Board (DNB) New Delhi. She obtained post-doctoral fellowship in maternal fetal medicine from RGUHS. She participated in research program like ADM, Anemia and Biomarker in pre-eclampsia .she has presented research papers in various conferences and a peer reviews of international journal of infertility and fetal medicine(IJIFM).

## **Description of the Event:**

An awareness talk on “**Current Trend on Women’s Health and Wellness**” was conducted on 22<sup>nd</sup> 2023 by Anti Sexual Harassment committee at K S Institute of Technology, Bangalore. Dr. Hemavathi Srinivasan, Director, Srinivasa Health Care and Sr. Consultant, Dept. of Maternal Fetal Medicine Motherhood and Apollo Hospital were invited as a resource person. Dr. Dilip Kumar K, Princlipal/Director, K S Institute of Technology while presiding the event welcomed the resource person Dr. Hemavathi Srinivasan. Mrs. Sangeetha V, Assistant Professor, Department of Electronics and Communication Engineering given welcome address before the attendees.

The session was delivered by Dr. Hemavathi Srinivasan. The focus of the talk was to make every girl aware that she has to understand the current trends in women's health and wellness involve comprehensive strategies for prevention, early detection, and holistic management of conditions such as anemia, cervical cancer, breast cancer, PCOS, and PID during menstrual periods. The speaker also emphasized the prevailing trends in women's health and wellness, shedding light on crucial issues including anemia, cervical cancer, breast cancer, polycystic ovary syndrome (PCOS), and pelvic inflammatory disease (PID) during menstrual periods. The discourse underscored a holistic approach, integrating nutritional education for anemia, routine screenings and vaccinations for cervical cancer, and comprehensive breast cancer awareness campaigns promoting early detection and mental well-being. Addressing polycystic ovary syndrome involved personalized care with lifestyle modifications and fertility treatments. Additionally, there was a focus on educating about pelvic inflammatory disease during menstruation, advocating for reproductive health awareness, menstrual hygiene practices, and timely medical intervention. The speaker emphasized the importance of informed decision-making, education, and awareness in empowering students to prioritize their health and well-being in these critical aspects of women's health.

The event concluded with a heartfelt token of appreciation expressed by Dr. Jalaja, acknowledging the efforts and contributions for the Dr. Hemavathi Srinivasan who addressed the students, acknowledging the invaluable insights and guidance provided on women's health issues. Mrs. Kavya M S Assistant Professor Department of CSE specifically mentioned the speakers for sharing their insights, the organizing team for their meticulous planning, and the audience for their active participation. The vote of thanks conveyed a sense of unity and appreciation, concluding the event on a positive note with acknowledgment for the collective effort that made it possible.

Students shared an overwhelming feedback and are looking forward to more such sessions for other classes soon. We would like to thank the Management, CEO and Principal for giving us the opportunity to address the students.

**Participant details** - No. of Participants: 150 girls of First semester of various Departments.

Photos:

**KAMMAVARI SANGHAM (R) - 1952**  
**K. S. INSTITUTE OF TECHNOLOGY**  
(Approved by AICTE, New Delhi, Affiliated to VTU, Bangalore, Accredited by NAAC A (1st & 2nd))  
#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109  
Tel: 886-29435722 / 54 Web : www.ksit.edu.in

**KSIT-ASH COMMITTEE**

Presents a Talk  
on

**"Current Trend on Women's Health and Wellness"**

by  
**Dr. Hemavathi Srinivasan,**  
M.B.B.S, D.N.B, F.F.M.M  
Consultant Obstetrician & Gynaecologist

Date: 22<sup>nd</sup> Nov, 2023  
Time: 11 A.M



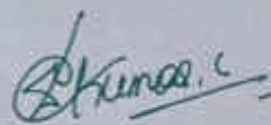
### Outcomes / Benefits:

1. Students gained awareness about the importance of women's health, including prevention, early detection, and holistic management of conditions like anemia, cervical cancer, breast cancer, PCOS, and PID during menstrual periods.
2. The session emphasized the significance of informed decision-making, education, and awareness in empowering students to prioritize their health and well-being in critical aspects of women's health.

### CO/PO&PSO mapping

CO/PO&PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
						2	1				1	2		

  
**Coordinator Sign**  
Head of the Department  
Dept. of Science and Humanities  
K.S. Institute of Technology  
Bengaluru - 560 109

  
**Principal**  
PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.



Talk on

## “Nanomaterials Applications in Engineering & Technology”

Date of Conduction: 24-11-2023

Venue: Conference Hall, KSIT

Time: 11.00 AM – 12. 30 PM

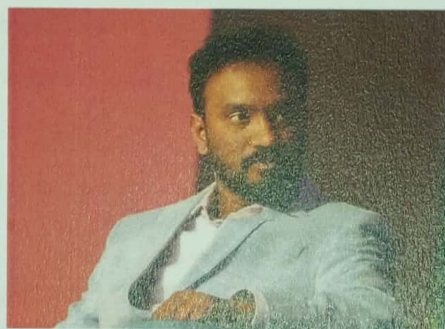
Duration: 1 hr 30 minutes

Expert Details–

Name: Dr. Yogesh Kumar K

Designation: Associate Professor

Organization: Jain University, Bangalore



### Brief Profile about the Expert:

Dr. Yogesh Kumar. K, currently working as Associate Professor, Department of Chemistry-Faculty of Engineering & Technology, Jain (deemed-to-be) University Bangalore. He has been named in the world's top 2% scientist in 2023, data released by Stanford university and Elsevier. He Completed Ph.D., in Chemistry under Visvesvaraya Technological University (VTU), India. His Research work mainly focused on “Preparation of nanomaterials and its application in the field of environment, energy and food industries. He has 5 Indian patents and one German patent in his name. He has published 112 research articles in reputed Scopus indexed international journals. He has published 4 books and many book chapters in reputed publication. He is also a receiver of young scientist award by RULA and Research Excellence Award by insc in 2019, EMTBE-2019 Young Scientist Award by Acharya Institute of Technology, **Best Researcher Award**” by DKIRF in 2020.

## Description of the Event: Talk on “Nanomaterials Applications in Engineering & Technology”

Dr. Yogesh Kumar K described about various Innovative ideas for real life problems by using applications of Nanomaterials, Mile stones of Nanomaterials Engineering achievements in the world.

### Objectives / Key Highlights:

- To provide knowledge on Nanomaterials and its application in the field of environment, energy and food industries
- To provide the basic understanding about engineering chemistry.
- To provide knowledge on Applications of Nanomaterials.
- To provide knowledge on alternative materials prepared from Nanomaterials to meet present challenges.

Participant details - No. of Participants: 160

Students (internal/external): Internal (2<sup>nd</sup> SEMESTER CSE &IOT)

Faculty: Dr. Jalaja.P (H O D ,AS&H)

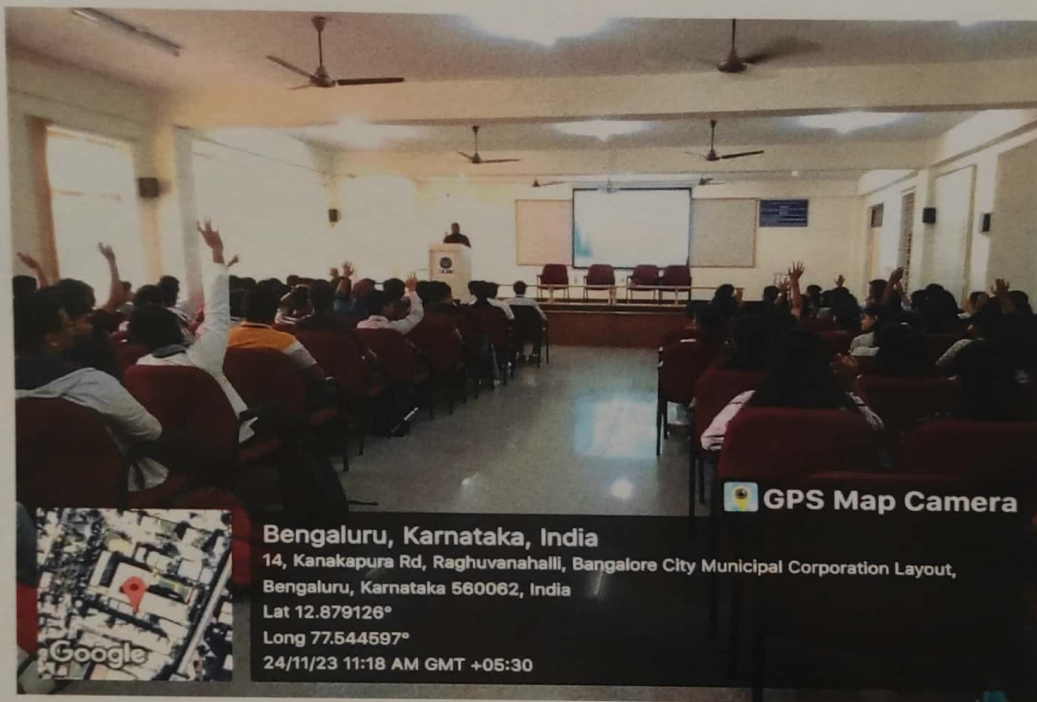
Dr. KiranKumar.S.R

Mrs. Shylaja.K.R

Mrs. Radhika.N.P

Dr. Harisha S





**Outcomes / Benefits:**

Students are able to apply the concepts of chemistry in multidisciplinary applications.

**PO Mapping:**

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Invited Talk	2	2	2									

*[Signature]*  
**Coordinator**  
 Radhika. N.P

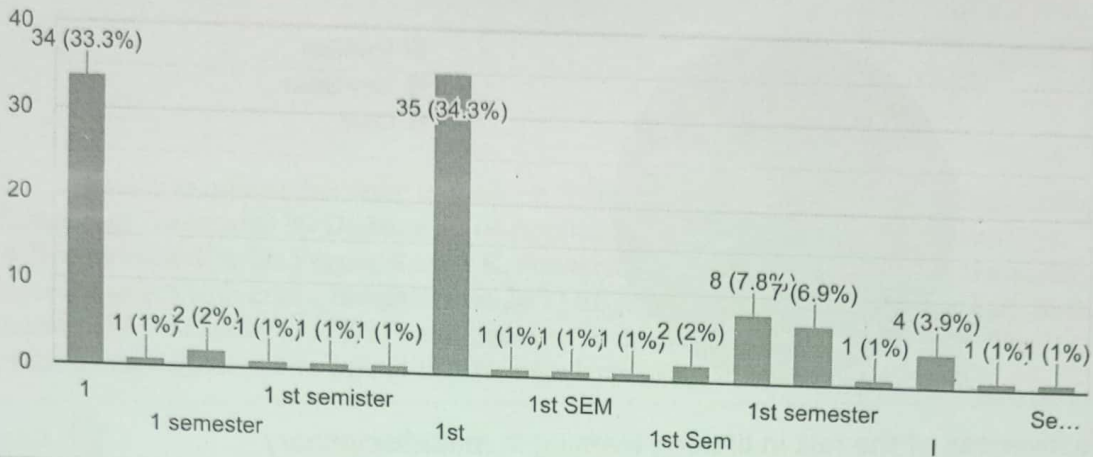
*[Signature]*  
**HOD**  
 Head of the Department  
 Dept. of Science and Humanities  
 K.S. Institute of Technology  
 Bengaluru - 560 109

*[Signature]*  
**Principal**  
 PRINCIPAL  
 K.S. INSTITUTE OF TECHNOLOGY  
 BENGALURU -560 109.

Semester

Copy

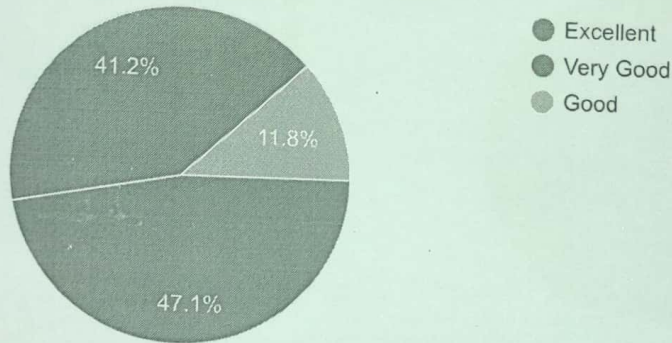
102 responses



1. Content delivered by the Resource Person \*

Copy

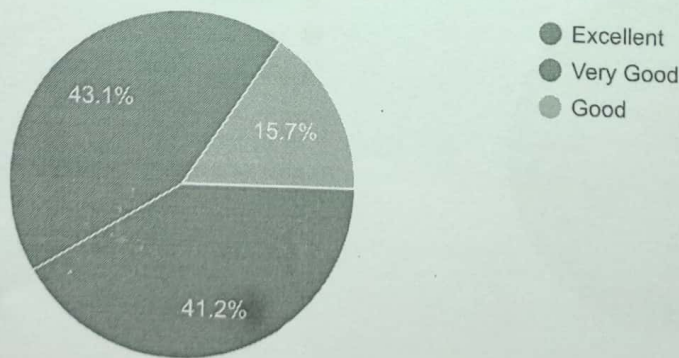
102 responses




2. How was the interaction with the resource person?

Copy

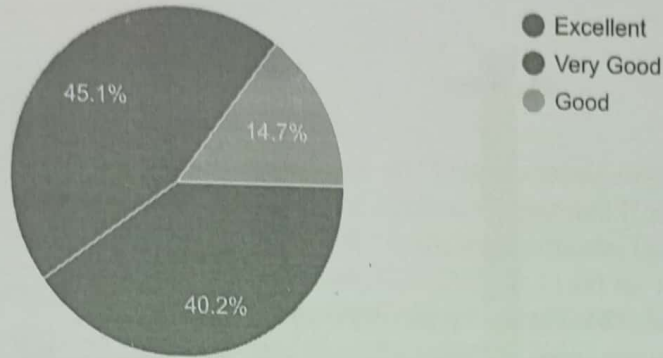
102 responses




### 3. How well you gained the knowledge on this topic.

 Copy

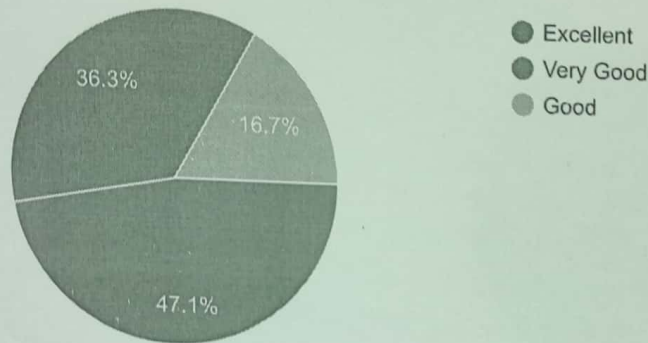
102 responses




### 4. Effectiveness of the talk in lifelong learning in multidisciplinary environments.

 Copy

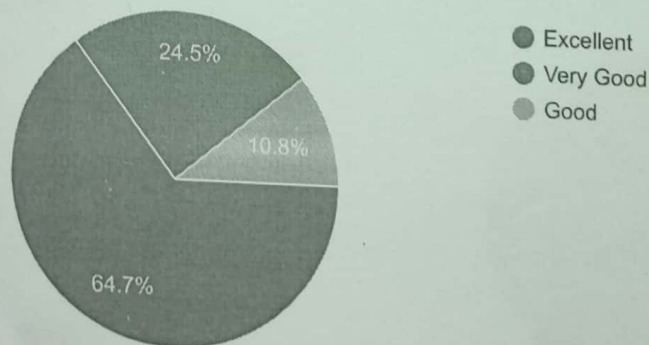
102 responses



### 5. The program was well placed within the allotted time.

 Copy

102 responses



This content is neither created nor endorsed by Google. [Report Abuse](#) - [Terms of Service](#) - [Privacy Policy](#)

Google Forms



## **A REPORT ON “PERSONALITY DEVELOPMENT, TEAM BUILDING AND TIME MANAGEMENT”**

**Date of Conduction** : 2<sup>nd</sup> April 2024  
**Venue** : Conference Hall  
**Time** : 11:00 AM – 12:30 PM  
**Duration** : 90 min

**Sponsoring Bodies / Associating Organization** : KS Institute of Technology

### **Chief Guest**

**Name** : Prof Sapthagiri  
**Designation** : Head- Administration, Admission  
**Organization** : Jain (Deemed to be University)



### **Expert Details**

A dynamic and dedicated professional with illustrious 21-year tenure in the realm of education, blending expertise in Teaching, Training, and Administration. Currently serving as the Head-Administration, Admissions at JAIN (Deemed-to-be University), and his commitment revolves around fostering educational excellence and generating substantial value for all stakeholders within the educational sphere.

### **Description of the Event:**

The main objective of the talk was to familiarize students with enhancing different facets of their personalities and helping them mold themselves in order to achieve their goals. The session followed the demonstration-cum-conversation format. The speaker discussed how personal development is a process of progress and self-improvement. Setting objectives, learning new skills, and improving ourselves were all discussed. He also stressed the connection between personal development and efficient time management, emphasizing how it may be used to prioritize work, maximize productivity, and accomplish goals. The speaker goes over the idea of the Eisenhower matrix and smart goals and how to implement them to accomplish the tasks. He also pointed out that personal development is a lifelong process that extends beyond career advancement. Effective time management makes assigning time for work, family, friends,

and self-care. Maintaining equilibrium guarantees the cultivation of all facets of human existence, culminating in comprehensive individual growth.

He encouraged students to make the most of their time on campus and in college for developing few skills which can benefit them. The lecture's subtopics included body language, leadership qualities, time management, self-motivation, and confidence. He elaborated all these points and discussed about the ways to develop such qualities in the students.

**Objectives / Key Highlights** : To build the corporate values amongst the students by developing their personality.

**Participant details** : First Year Students (2023-2024 Batch) A, F, H Sections, 180  
**Students (Internal/external)** : Internal  
**Faculty** : Prof Anuradha M V  
**Photos (Geo Tagged)**





**Outcomes / Benefits**

: Helps the students for their overall development in terms of academic and themselves.

**CO/PO&PSO mapping**

CO/PO&PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
	-	-	-	-	-	-	-	-	3	3	-	3	-	-

Coordinator Sign

HOD

Principal





**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109**

**DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES**

**Date of Conduction: 14-3-2024**

**Venue: Seminar Hall (Ground floor)**

**Time: 10.30 am -11.30 am**

**Duration: 1 hour**

**Expert Details**

**Name: Dr Sitharam**

**Designation: AICTE Chairman**

**Organization: VTU**

**Description of the Event: Online Lecture series talk on UHV**

<https://youtube.com/live/w0ervaPzelA?feature=share>

The Universal Human Values monthly series lecture organized by the All India Council for Technical Education (AICTE) and delivered by Dr. Sitaram Chairman on 14th March 2024,, it aimed to foster a deeper understanding and appreciation of universal principles that transcend cultural, religious, and societal differences. Dr. Sitaram emphasized the importance of cultivating values such as compassion, integrity, and empathy in education and society at large. Through insightful discourse and practical examples, attendees gained valuable insights into integrating these values into their personal and professional lives, contributing to a more harmonious and ethical society. The lecture series serves as a platform for promoting moral and ethical development, essential for addressing contemporary challenges and nurturing responsible global citizens.

**Participant details: No. of Participants: 120 Students**

**Faculty: Anuradha M V**

Photos (Geo Tagged) :



**Outcomes / Benefits:** The students will be benefitted with the following PO

**CO/PO&PSO mapping**

CO/PO&PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
Lecture series talk on UHV						3		3				3		

*[Signature]*  
COORDINATOR

*[Signature]*  
HOD

*[Signature]*  
Principal

Head of the Department  
Dept. of Science and Humanities  
K.S. Institute of Technology  
Bengaluru

PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.

**Talk on  
“Study Abroad Opportunities For Engineering Students”**

**Date of Conduction: 14-03-2024**

**Venue: Seminar Hall, Ground floor ,KSIT**

**Time: 11.30 AM – 1. 00 PM**

**Duration: 1 hr 30 minutes**

**Expert Details–**

**Name: Dr. Manoj Saigal**

**Designation: Training Head and Sr. Counselor**

**Organization: Imperial Overseas**



**Brief Profile about the Expert:**

Dr. Manoj Saigal, Currently working as a Training Head and senior Counselor, at Imperial Overseas, having 25 years of teaching experience ,trained more than 1 lakh students in various entrance exam of India and studying abroad entrance exam - CAT/GRE/GMAT/SAT/IIT-JEE/CLAT/Hotel Management/MBA-CET/MHT-Engineering CET/BBA entrance for Quants/Logic/GK/Group discussion/Personal Interview.

Dr. Manoj Saigal completed his education with Gold Medalist in B.E Mechanical at VJTI,MBA IN Finance at JBIMS with all India Rank 1,completed Ph.D in Education. Dr. Manoj Saigal awarded by National

Secretary-India of Global Youth Parliament, CWSIR, The Sculptors Bhavishya ka Shilpakar Award-2020, Vocational Excellence Award etc.

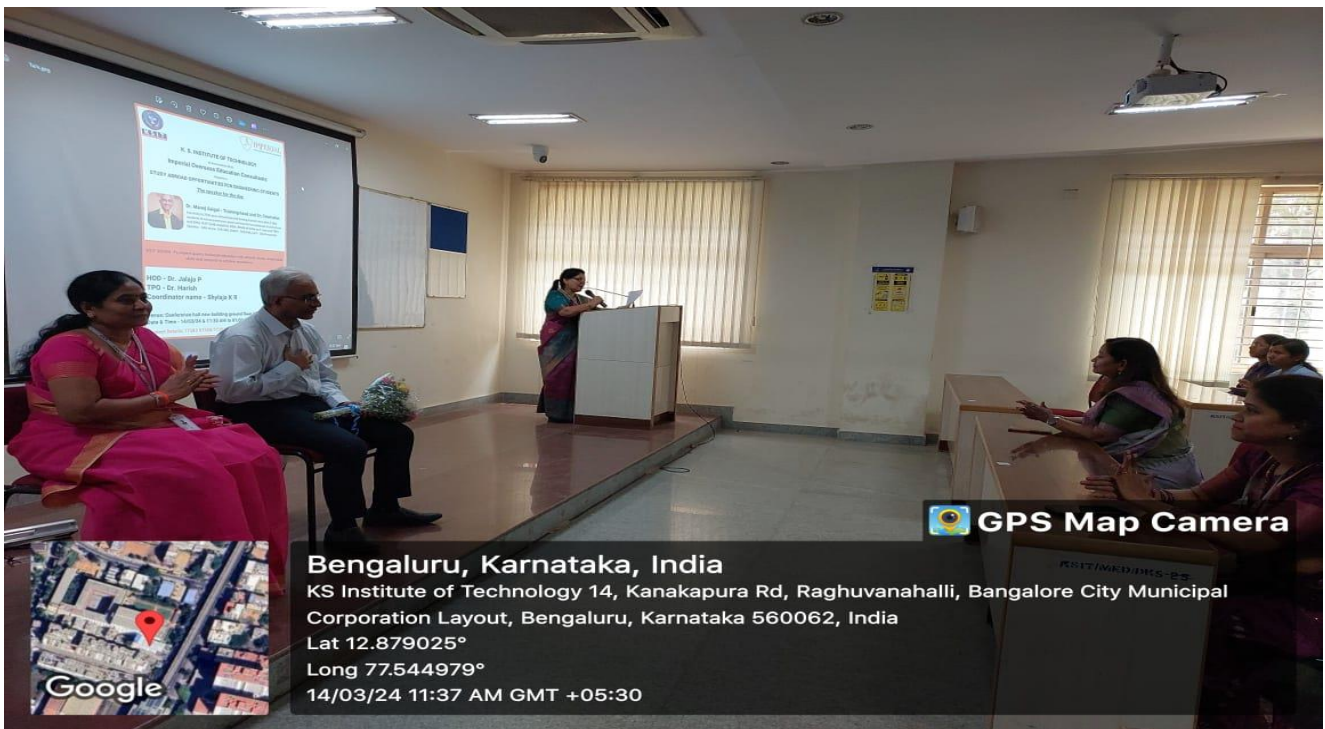
**Description of the Event:** Talk on “Study Abroad Opportunities For Engineering Students”


Dr. Manoj Saigal delivered a talk about various Entrance Exams ,preparation, study materials, tips and tricks to clear exams to study at Abroad . This program helps to succeed, Mile stones of Engineering achievements in the world, work opportunities, scholarships, various types of courses, selection of Universities, countries ,facilities, services, global perspective and faculty expertise, strong academic reputation and research focus. This program helps to gain valuable skills such as independence ,cultural awareness and language proficiency. It offers opportunities for personal growth, broadening student perspectives and building international networks, which can enhance students career prospects and enrich students life enrichment .

**Photos (Geo Tagged) :**




Dr.Jalaja .P (H.O.D AS&H) welcoming a guest Dr. Manoj Saigal.



 **GPS Map Camera**

**Bengaluru, Karnataka, India**  
KS Institute of Technology 14, Kanakapura Rd, Raghuvanahalli, Bangalore City Municipal Corporation Layout, Bengaluru, Karnataka 560062, India  
Lat 12.879025°  
Long 77.544979°  
14/03/24 11:37 AM GMT +05:30



 **GPS Map Camera**

**Bengaluru, Karnataka, India**  
KS Institute of Technology 14, Kanakapura Rd, Raghuvanahalli, Bangalore City Municipal Corporation Layout, Bengaluru, Karnataka 560062, India  
Lat 12.879025°  
Long 77.544979°  
14/03/24 11:40 AM GMT +05:30



Dr. Manoj Saigal delivering a talk



**Students are participating in the Event**

**Objectives / Key Highlights:**

- To provide opportunities for personal growth
- To enhance broadening student perspectives and building international networks,
- To enhance students career prospects and enrich students life enrichment

Participant details - No. of Participants: 125

Students : 2<sup>nd</sup> SEMESTER CSE &ECE

Faculties: Dr. Jalaja.P (H O D ,AS&H)

Dr.Harish (TPO)

Mrs. Shylaja.K.R

Mrs. Anuradha.M.V

Dr.Shobha G

Mrs .Preethi

Mrs . Mamatha N

Outcomes / Benefits:

Students are able to enhance students career prospects and enrich students life enrichment

PO Mapping:

CO/PO&PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO1 2	PSO 1	PSO 2
"Study Abroad Opportunities For Engineering Students"									3	3		3		

Coordinator

Shylaja K.R



HOD

Head of the Department  
Dept. of Science and Humanities  
K.S. Institute of Technology  
Bengaluru - 560 109

Principal

PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
ICB (IoT, CYBER SECURITY, BLOCKCHAIN TECH.)**

**In Association  
DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES**

**WORKSHOP ON:  
MACHINE LEARNING AND IMAGE PROCESSING**

**Date of Conduction: 04.04.2024 – 05.04.2024**

**Time: 9.30 AM – 3.30 PM**

**Sponsoring Bodies / Associating Organization: NA**

**Venue: ECE Seminar Hall**

**Duration: 5 Hrs**

**Resource Persons Name:**

1. **Dr. Ganga Holi** , Professor & HOD, CSE (ICB)
2. **Dr. Pradeep Desai**, Professor & HOD, CSE
3. **Mr. Kushal Kumar B N**, Associate Professor, CSE (ICB)

**Organization:** KSIT, Bangalore

**BRIEF PROFILE ABOUT THE EXPERTS:**

**Dr. Ganga Holi** is professor & Head, Dept of CSE-ICB, **KSIT** having 27 years of Teaching experience and two years of Industry experience in Computer Science & Engineering. She completed her BE, M, Tech and Ph. D in Computer Science & Engineering. Her research interests are Image Processing, Machine Learning, Computer Vision, Natural Language Processing.





**Dr. Pradeep Desai**, is Professor in CSE Dept KSIT, is senior Industry expert having more than 3 decades of Industry experience in Computer Science field. He worked for MMS, Ashoka Layland, Tata Elxi, Wipro, Philips, TCS, GE. Now is founder and CEO of 4VC Solutions Private Limited, Co-Founder and Chief Business Officer, SIAMAF Healthcare, Co-Founder and Chief Business Officer and CEO of Thalesat Innovations Private Limited.



**Prof. Kushal Kumar B N** is a Associate Professor in CSE (ICB) department having 14 years of experience in teaching and his research interests are Machine Learning, IoT.



## **DESCRIPTION OF THE EVENT**

The main Objective of the workshop is to provide basic knowledge about Machine Learning, Image Processing, its applications in real life and also advantages of the both trending technologies. First Day, Introduction to Machine Learning, its applications, advantages were discussed along with the hands-on sessions using Python and also to visualize the data using Python Visualization tools.

Second Day, Introduction to Image processing, its applications, application areas, challenges were discussed. Hands on session was conducted to read, write and manipulated the images, display images in RGB formats and also to flip the image using opencv software.

## **OBJECTIVES / KEY HIGHLIGHTS:**

Key Highlights:

1. Students gained basic understanding of Machine Learning and Image Processing.
2. Students learnt to use Python data visualization to visualize the data
3. Students gained the knowledge the Python sklearn Machine Learning library, OpenCV Python Image processing tool.

## **PARTICIPANT DETAILS**

- No. of student participants in total: 40

## PHOTOS (GEO TAGGED):



## ADDRESSING THE GATHERING BY PRINCIPAL



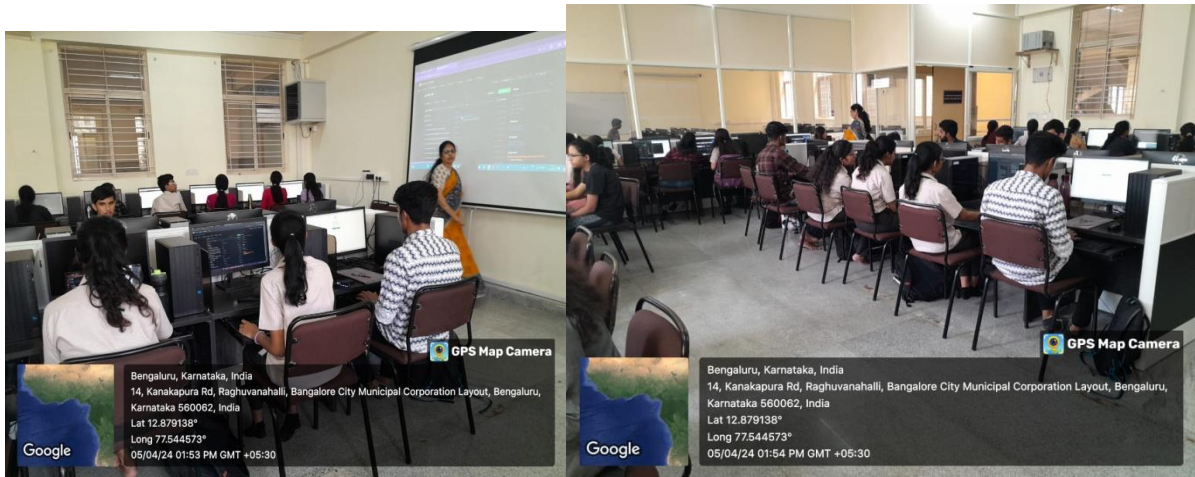
## TALK BY DR. GANGA HOLI



**AFTERNOON SESSION**



**SESSION BY DR. PRADEEP DESAI**



## OUTCOMES/BENEFITS:

Students gained knowledge about Machine Learning and Image Processing also learnt Python data visualization.

### Attachments:

- Evaluation and Feedback.
- Attendance Sheet

## CO/PO&PSO mapping

CO/PO& PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2
Workshop	01	01	-	-	-	-	-	-	-	-	-	01	01	01
Average	01	01	-	-	-	-	-	-	-	-	-	01	01	01

- **PO1: Engineering Knowledge:** To apply knowledge of mathematics, science, engineering fundamentals, problem solving skills, algorithmic analysis to solve complex engineering problems.

- **PO2: Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **PO12: Lifelong learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
- **PSO1:** Graduates will demonstrate the technical skills to address real-world challenges in IoT, cyber security, and blockchain technology while upholding ethical considerations and social responsibility.
- **PSO2:** Graduates will engage in continuous learning, collaborate cross-functionally, and adeptly create and implement inventive solutions for societal benefit while ensuring digital security and privacy.



**Dr. Sheeja Krishnan**

Event Coordinator



**Dr. Jalaja P**

Head – AS&H

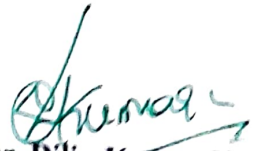
Head of the Department  
Dept. of Science and Humanities  
K.S. Institute of Technology  
Bengaluru - 560 109



**Dr. Ganga Holi**

Head – CSE (ICB)

Head of the Department  
Dept. of Computer Science Engg.  
(IoT, Cyber Security, Blockchain Tech.)  
K. S. Institute of Technology  
Bengaluru - 560 109.



**Dr. Dilip Kumar K**  
PRINCIPAL

K.S. INSTITUTE OF TECHNOLOGY  
Principal, KSIIT  
BENGALURU - 560 109.



**K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109**

**DEPARTMENT OF APPLIED SCIENCE & HUMANITIES**

**Talk on  
Applications of Quantum Mechanics for Engineering Students**

**Date of Conduction: 07-06-2024**

**Venue: Seminar Hall, OB Ground Floor**

**Time: 11.00 AM – 12.30 PM**

**Duration: 1 hr 30 minutes**

**Expert Details–**

**Name: Dr. Daruka Prasad**

**Designation:** Assistant Professor, Department of Physics, BMS Institute of Technology and Management, Bangalore

**Organization:** BMS Institute of Technology and Management, Bangalore

**Brief Profile about the Expert:**



Dr. Daruka Prasad B received his B.Sc., and M.Sc. (Physics) degrees from University of Mysore, and Ph.D degree in Physics from Jawaharlal Nehru Technological University, Ananthapur, India. He is having 24 years of teaching and 7 years of research. He is a board of members to the various Indian Universities since 2014 to till date.

Dr. Daruka Prasad B is working on synthesis of energy saving, ecofriendly, efficient single and multi-phased rare earth doped ions for display devices and finger print applications. He has published about 187 research

papers in peer reviewed and high impact journals He is reviewer for more than 20 journals of Elsevier, Springer and Bentham's publishers. He is a life member of Materials Research Society of India, ISTE, Solar Energy Society of India, Luminescence Society of India etc. He has published five books on Engineering Physics published in Acme-Learning.

**Description of the Event:** Talk on “Applications of Quantum Mechanics for Engineering Students”

Dr.Daruka Prasad B started his talk by explaining the origin of quantum mechanics and its various concepts. He also highlighted the applications of quantum mechanics in quantum computing by explaining the concepts of qubits, superposition and entanglement. He emphasized that an understanding of quantum mechanics is becoming increasingly essential for engineers as technological advancements continue to push the boundaries of classical physics.

**Objectives / Key Highlights:**

- To provide the basic understanding of Quantum Mechanics.
- To provide knowledge on applications of Quantum Mechanics.
- To provide knowledge on quantum computing.
- To provide knowledge on future challenges in quantum computing.

**Participant details - No. of Participants:120**

**Students (internal/external):Internal, 2<sup>nd</sup> SEMESTER CCE&ECE**

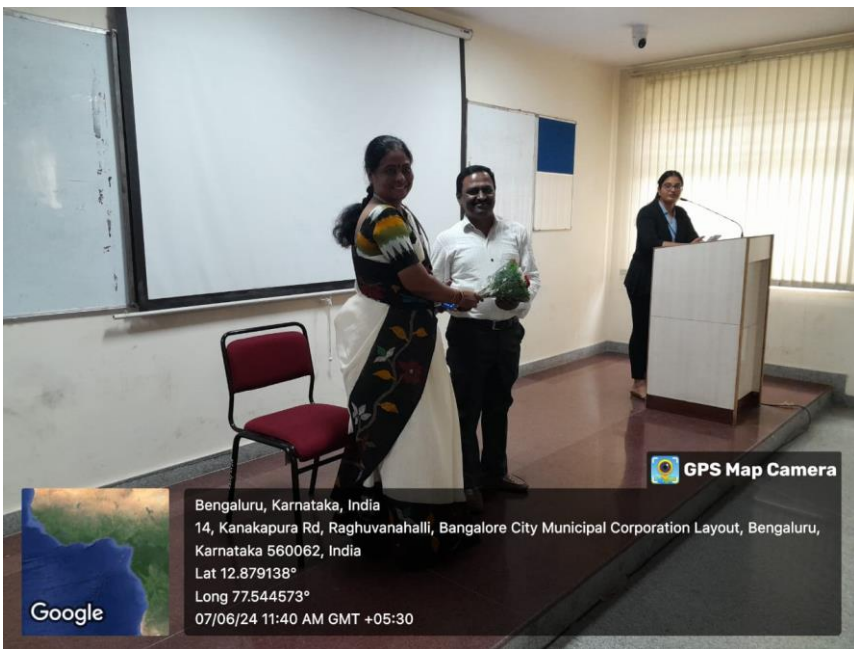
**Faculty: Dr. Jalaja.P(H O D ,AS&H)**

**Dr.Shashikala B S**

**Dr. Sheejakrishnan**

**Mrs.Kavya T N**





**Outcomes / Benefits:**

Students are able to apply the concepts of physics in multidisciplinary applications.

**PO Mapping:**

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Invited Talk	2	2										1



Coordinator

Dr. Shashikala B S



HOD

Head of the Department  
Dept. of Science and Humanities  
K.S. Institute of Technology  
Bengaluru - 560 109



Principal  
PRINCIPAL

K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109