ATRIA
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ISE

DEPT. OF INFORMATION SCIENCE & ENGINEERING

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EVENTS   ARTICLES   ACTIVITIES

WEBINARS/ WORKSHOPS/EVENTS/ACTIVITIES

Dept of ISE has organized Cyber Security Awareness Program for promoting the cyber-safe and conducive environment for industry collaboration, address the skill gaps, build awareness and facilitate innovation in this emerging technology field of Cybersecurity.

Dept of ISE has organized Webinar on AR-VR Technology. Which kick start Students journey as AR VR Developer, TechXR Innovations has started an AR/VR Development course in collaboration with IIT Roorkee faculty,

Dept of ISE has organized Awareness Program on Utilization of Library E-Resources

.The programme was coordinated by Ms. Syeda Roshni.

WEBINARS/ WORKSHOPS/EVENTS/ACTIVITIES

Dept of ISE has organized Workshop on "Entrepreneur to be taken as next Opportunity"

. The programme was coordinated by Ms. Syeda Roshni & Pavithra Gopinath

HUMAN-COMPUTER INTERACTION & DESIGN PRINCIPLES

MRS. KAVITHA VASANTH

lHuman-computer interaction (HCI) is the study of designing, implementing, and evaluating the interactive interfaces used by humans and computers. People who specialize in HCI think about how to design and implement computer systems that satisfy human users.
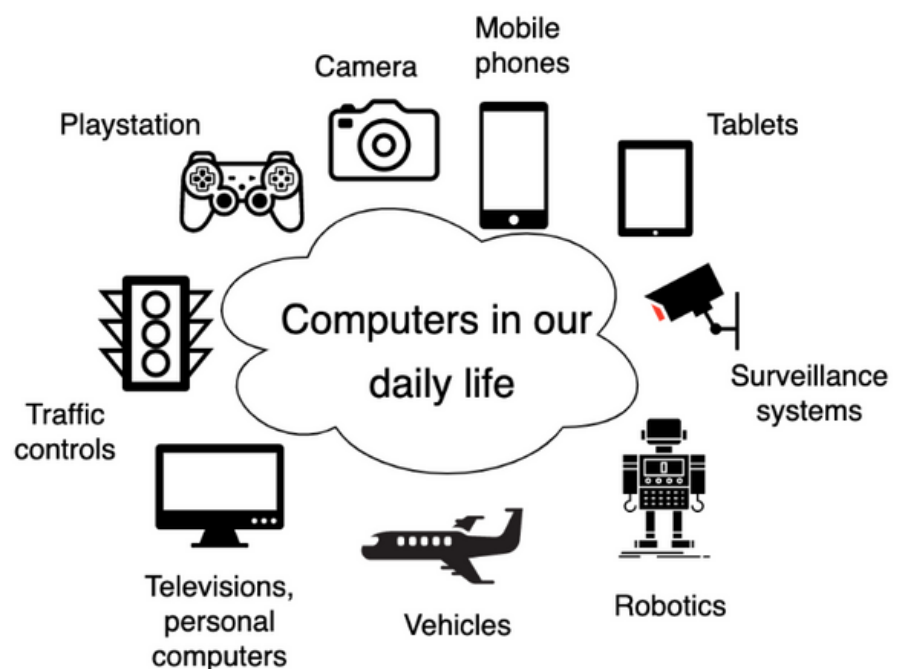
HCI has always been a part of technology and design, but it is on the rise as technology becomes more integrated with our daily lives. HCI is a vital skill for any developer, product manager, or designer who wants to design for the future.

HCI is the study of the interaction between humans and computers, particularly as it pertains to the **design of technology**. HCI overlaps user-centered design, UI, and UX to create intuitive products and technologies.

People who specialize in HCI think about how to design and implement computer systems that **satisfy human users**. Most research in this field aims to improve human–computer interaction by improving how an interface is used and understood by humans.

HCI helps to make interfaces that **increase productivity**, **enhance user experience**, and **reduce risks** in safety-critical systems. Poorly designed machines lead to many unexpected problems, sometimes just user frustration, but sometimes, chaotic disasters.

This is why HCI is on the rise. As we become more dependent on technologies, even just the Internet or smartphones, HCI has become a key part of designing tools that can be used efficiently and safely on a daily basis.

VISION

TO DEVELOP COMPETENT PROFESSIONALS WITH STRONG FUNDAMENTALS IN INFORMATION SCIENCE AND ENGINEERING, INTERDISCIPLINARY RESEARCH AND ETHICAL VALUES FOR THE BETTERMENT OF THE SOCIETY.

MISSION

M1 - TO ESTABLISH A TRANSFORMATIONAL LEARNING AMBIENCE WITH GOOD INFRASTRUCTURE FACILITIES TO IMPART KNOWLEDGE AND THE NECESSARY SKILL SET TO PRODUCE COMPETENT PROFESSIONALS.

M2 - TO CREATE A NEW GENERATION OF ENGINEERS WHO EXCEL IN THEIR CAREER WITH LEADERSHIP/ENTREPRENEUR QUALITIES.

M3 - TO PROMOTE SUSTAINED RESEARCH AND INNOVATION WITH AN EMPHASIS ON ETHICAL VALUES.

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EDUCATIONAL OBJECTIVES OF THE PROGRAM(PEO)

PEO1: TO EXPERTISE IN PROBLEM ANALYSIS, SOLVING, DESIGN, DEVELOPMENT AND NECESSARY INFORMATION TO MEET TECHNICAL AND MANAGERIAL CHALLENGES.
PEO2: TO PURSUE INTERDISCIPLINARY RESEARCH AND HIGHER STUDIES WITH PROFOUND KNOWLEDGE ENRICHED WITH ACADEMICS AND INFORMATION TECHNOLOGY SKILLS.
PEO 3: TO EXCEL IN COMPETITIVE ENVIRONMENT TOWARDS LEADERSHIP AND LIFE-LONG LEARNING FOR A SUCCESSFUL PROFESSIONAL CAREER.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1: ABLE TO FIND THE SOLUTIONS TO PROBLEMS USING PROGRAMMING LANGUAGES BY APPLYING THE SUITABLE DATA AND FILE STRUCTURES CONCEPT AND OBTAIN OPTIMAL PERFORMANCE THROUGH DESIGN AND ANALYSIS OF ALGORITHMS.
PSO2: ABLE TO WORK ON THE RECENT TECHNOLOGIES BY MANAGING AND ORGANIZING THE PROCESSED DATA FOR NEW GROWTH OF OPPORTUNITIES IN THE INDUSTRIES EXPLORING WEB DESIGNING AND SIMULATING THE REAL WORLD PROBLEMS.
PSO3: ABLE TO APPLY THE PRINCIPLES OF SOFTWARE ENGINEERING TO DEVELOP COMPUTATIONAL MODELS UNDER REALISTIC CONSTRAINTS AND ABILITY TO PROVIDE SOLUTIONS BASED ON THE EXPERTISE IN NETWORKING, DATABASE MANAGEMENT AND ENTREPRENEURSHIP TO THE VARIOUS NEEDS.

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