

**DEPT. OF INFORMATION SCIENCE & ENGINEERING**

# ASPIRE

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**EVENTS**

**ARTICLES**

**ACTIVITIES**

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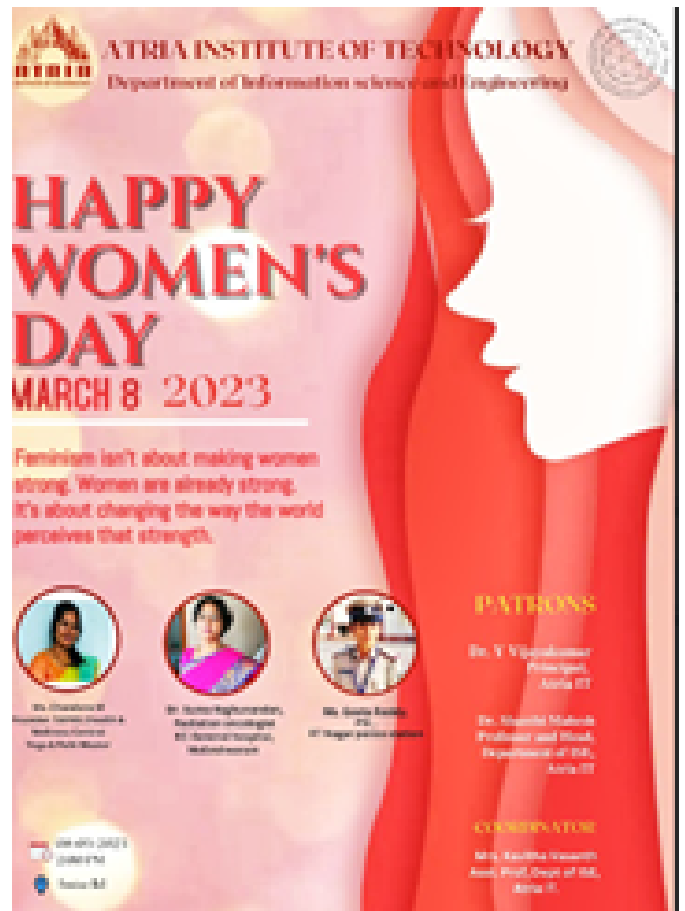


## WEBINARS/ WORKSHOPS/EVENTS/ACTIVITIES



Dept of ISE organized SCR Exhibition as part of curriculum for 3rd sem students on 7th March 2023. This was coordinated by Prof. Sonia S B & Prof. Uzm sulthana.

Dept of ISE organized Internal Women's day on 8th March 2023.



Dept of ISE & ECE has organized 3 days SDP on “Smart Applications for smarter life- The Applications of IOT”



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## ARTICLES

### DIGITAL TRUST



Ms. Ananaya

**DIGITAL TRUST IS THE CONFIDENCE USERS HAVE IN THE ABILITY OF PEOPLE, TECHNOLOGY AND PROCESSES TO CREATE A SECURE DIGITAL WORLD.**

**SOCIETY IS NOW DIGITALLY CONNECTED IN A PERVASIVE WAY, WITH ONLINE INTERACTIONS FOUNDATIONAL TO INDIVIDUAL AND BUSINESS COMMUNICATION, TRANSACTIONS, AND PROCESSES.**

**DIGITAL TRANSFORMATION HAS CONTINUED TO ACCELERATE IN RECENT YEARS, WITH REMOTE PROCESSES REPLACING FACE-TO-FACE INTERACTIONS; DEVICES, SYSTEMS, AND FACILITIES BECOMING INTERNET- OR NETWORK-CONNECTED; AND NEW DEPLOYMENT METHODS CHANGING THE LANDSCAPE OF IT ARCHITECTURES. IN THIS ENVIRONMENT, DIGITAL TRUST IS AN ESSENTIAL REQUIREMENT OF ONLINE OPERATIONS. DIGITAL TRUST IS WHAT ENABLES INDIVIDUALS AND BUSINESSES TO ENGAGE ONLINE WITH CONFIDENCE THAT THEIR FOOTPRINT IN A DIGITAL WORLD IS SECURE.**

**IN THE EARLY DAYS OF THE INTERNET, DIGITAL TRUST CENTERED ON INTERACTIONS AND TRANSACTIONS BETWEEN USERS AND WEBSITES, SECURED WITH A PUBLIC KEY INFRASTRUCTURE (PKI), A TECHNOLOGY THAT DELIVERS AUTHENTICATION, ENCRYPTION, AND INTEGRITY TO A DIGITAL INTERACTION. WITH DIGITAL TRANSFORMATION EXPANDING THE USE CASES FOR PKI, TRUST HAS NOW BECOME THE BACKBONE FOR SECURITY IN THE CONNECTED WORLD: FOR SECURING USERS, SOFTWARE, SERVERS, DEVICES, DIGITAL CONTENT, DOCUMENTS, DIGITAL RIGHTS, IDENTITY, AND MORE.**

#### **HOW DIGITAL TRUST WORKS?**

**DIGITAL TRUST HELPS BUILD RELIABILITY AND HENCE MAKING IT EASIER FOR THE USER TO DECIDE ON A SECURE SERVICE THAN A BAD ONE. IT HELPS CREATE A RELATION BETWEEN THE COMPANY AND THE USER, WHERE SAFETY AND SECURITY IS ASSURED. THE HIGHER THE DIGITAL TRUST, THE COMPANY IS LIKELY TO GAIN MORE USERS.**

#### **BENEFITS OF DIGITAL TRUST**

**DIGITAL TRUST WILL ALLOW CUSTOMERS TO FIND AND CHOOSE THE DEPENDABLE DIGITAL SERVICES FASTER, BETTER AND WITH LESS UNRELIABLE CHOICES TO DISTRACT THEM. EVENTUALLY, MACHINES WILL AUTOMATE THE DECISION PROCESS BY CALCULATING THE LEVEL OF CONFIDENCE IN A PROGRAM. THIS WILL REQUIRE MORE INFORMATION TO BE PROVIDED ABOUT A COMPANY'S SERVICE OR PRODUCT, CREATING INCREASED TRANSPARENCY THAT WILL ALSO BUILD DIGITAL TRUST.**

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# 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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