



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

**Re-accredited by NAAC with A⁺ Grade - 4th cycle,
College of Excellence – UGC**

59th Rank among Colleges in NIRF 2024

Coimbatore - 641 029, Tamil Nadu, India

DEPARTMENT OF COMPUTER SCIENCE (AIDED)

Hands on Training Programme on “ Pervasive Computing”

Supported by

DBT STAR COLLEGE SCHEME

REPORT

Name of The Event	Hands On Training Programme on “Pervasive Computing”
Date	20.09.2024
Time	10.00AM-1.00PM
Venue of The Programme	Lab VI
Objectives of the Programme	1. Seamlessly integrate computing into daily life. 2. Make technology invisible, intuitive, and easily accessible. 3. Enhance user experience through context-aware interactions.
Outcome of the Programme	1. Changes in social dynamics and relationships 2. Shifts in work-life balance 3. Impacts on education and skill development 4. Effects on mental and physical health 5. Changes in urban planning and infrastructure

Number of Beneficiaries with class (Both students and faculty)	III-B.Sc Computer Science - 55 Dr.A.Kavitha Ms.K.Deekshana Faculties: 2 Total No of Beneficiaries: 57
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Report in Detail:

The characteristics of Pervasive Computing include ubiquity, invisibility, context-awareness, and interconnectedness. Technologies like wireless networks, sensor technologies, artificial intelligence, cloud computing, and the Internet of Things (IoT) have enabled this integration.

Pervasive Computing has numerous applications, including smart homes, wearables, IoT devices, mobile devices, healthcare, transportation, and retail. These applications enhance productivity, decision-making, and user experience while offering personalized services and economic growth.

Despite benefits, Pervasive Computing faces challenges such as privacy and security concerns, data management, interoperability, energy efficiency, and human-computer interaction. Addressing these concerns is crucial for further advancement.

Future directions include Edge Computing, Quantum Computing, Augmented Reality, Artificial Intelligence advancements, and blockchain-based secure data sharing. As technology advances, Pervasive Computing will continue to shape our world.



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Name of the Event: Hands on Training on Pervasive Computing

Date: 20.09.2024



