



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT FOR WORKSHOP ON “X-REALITY FOR ENGINEERS”

Title: Workshop on “X-Reality for Engineers”

Date: 19th September 2025

Venue: AVIT, Chennai Campus

Organized By: Department of Computer Science and Engineering & XR SPECTRA Club

Category: Silver Jubilee Celebrations

Introduction

As part of the Silver Jubilee Year Celebrations of Aarupadai Veedu Institute of Technology (AVIT), the Department of Computer Science and Engineering in association with the XR Spectra Club organized a workshop titled “X-Reality for Engineers” on 19th September 2025 at the Chennai Campus.

The session was designed to provide an engaging hands-on experience in the domain of Augmented Reality (AR) and Virtual Reality (VR), bridging theoretical learning with practical exposure. The workshop acted as a knowledge-sharing platform, encouraging students to explore emerging immersive technologies and understand their real-world applications.

Objective of the Workshop

- To introduce students to the fundamental concepts of Augmented Reality and Virtual Reality.
- To provide hands-on exposure in designing and interacting with immersive systems.
- To enhance problem-solving and innovative thinking skills in the AR/VR domain.
- To cultivate technical awareness about the potential applications of X-Reality in engineering, healthcare, entertainment, and education.
- To inspire students to explore research opportunities and career pathways in immersive technologies.



Event Details

The workshop was conducted by Dr. R. Rajkumar, Ph.D., MIET, Associate Professor – Department of Data Science and Business Systems, School of Computing, and Core Faculty – Center for Immersive Technologies, College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu.

Date & Time: 19th September 2025, 12:30 pm – 03:30 pm

Venue: AVIT, Chennai Campus

Target Audience: Students of the Department of Computer Science and Engineering

Dr. Rajkumar delivered an insightful lecture on the advancements and applications of AR/VR in modern industries. The session was followed by interactive demonstrations and practical exercises, allowing participants to gain hands-on experience with immersive tools and technologies. Students actively engaged in discussions, experiments, and problem-solving tasks, making the workshop highly participatory and impactful.

Outcomes

The workshop proved to be highly beneficial, as students not only gained a comprehensive understanding of X-Reality technologies but also had the opportunity to apply their learning through practical demonstrations. The hands-on activities enhanced their technical proficiency in building and interacting with AR/VR environments, while the problem-solving tasks encouraged creativity and design thinking. The session also inspired participants to consider research prospects, projects, and career opportunities in immersive technologies, thereby broadening their academic and professional outlook. Furthermore, the workshop created a spirit of collaboration and enthusiasm among students, reinforcing AVIT's vision of nurturing innovation and preparing future-ready engineers.

Key takeaways

The “X-Reality for Engineers” workshop was a resounding success, aligning with the Silver Jubilee initiatives of AVIT to provide cutting-edge exposure to its students. The Department of Computer Science and Engineering and XR Spectra Club extended their sincere gratitude to Dr. R. Rajkumar for delivering the session and to the student participants for their active involvement.



This workshop not only broadened students' technical horizons but also reinforced AVIT's commitment to preparing future-ready engineers capable of contributing to rapidly evolving technological domains.

Coordinator

HoD/CSE



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DIAMOND

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INDIAN COLLEGE SURVEILLANCE



Cordially invites you all for the workshop on

X-Reality for Engineers

Resource Person

Dr. R. Rajkumar, Ph.D., MIET

Associate Professor
Department of Data Science and Business Systems
School of Computing
Core Faculty - Center for Immersive Technologies
SRM Institute of Science and Technology
Kattankulathur



As part of the Silver Jubilee Year celebrations of VMRF-DU



19th September 2025



12:30 PM



Intel Lab, AVIT



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