
	<b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b>	
Record No.: ZCOER-ACAD/R	Revision: 00	Date:01/04/2021

**Department: AI & DS**

**Semester: II**

**Academic Year: 2023-2024**

**Class: TE & BE & SE**

**Date: 07/02/2024**

### **Report of Industry expert lecture on - “AR/VR/XR”**

Artificial Intelligence & Data Science department organized a guest lecture on **AR/VR/XR** for SE, TE & BE Students on 07/02/2024. It is very necessary for TE & BE & SE Students to understand and learn software engineering concepts. It will help students develop skills and to understand AR/VR/XR. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mr.AkshayRathod</b>
<b>Designation:</b>	<b>CEO FireBirdVR, Pune</b>
<b>Experience:</b>	<b>9+Years</b>
<b>Date:</b>	<b>07/02/2024</b>
<b>Time and Duration:</b>	<b>10:00:00 AM- 12:00:00 PM , 2hrs:00 Minutes</b>

#### **Topics discussed during lecture:**

<b>Sr. No</b>	<b>Contents Covered</b>	<b>COs Mapping to the Contents</b>
1	<p><b>Introduction to virtual reality-</b> Definition of VR, modern experiences, historical perspective Human psychology and Perception. How virtual reality really works Geometry of virtual worlds: -Geometric modeling, transforming rigid bodies, yaw, pitch, roll, axisangle representation, quaternions Virtual Reality: -Applications, Limitations, Challenges</p> <p><b>Input Devices:</b> - Trackers, Navigation, and gesture interface, Output Devices: -Graphics, three - dimensional sound and haptic display, CAVE and HMD VR systems Rendering the Virtual World - Rendering systems - Interaction, Graphical rendering, ray tracing, shading Motion in Real and <b>Virtual Worlds:</b> -Velocities, acceleration, vestibular system, virtual world physics, collision detection, avatar motion</p> <p><b>Introduction to Augmented Reality:</b> Defining augmented reality, history of augmented reality, Augmented reality as an emerging technology, The Relationship between Augmented Reality and Other Technologies-Media, Technologies, Comparative study of AR, VR, and Mixed Reality, Other Ideas Related to the Spectrum between Real and Virtual Worlds, applications of Augmented reality, Augmented Reality Concepts- Working of Augmented Reality? Concepts Related to Augmented Reality, Ingredients of an Augmented Reality Experience</p>	CO1, CO2, CO3,PO3



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And this way the Guest Lecture Session was successfully conducted.

**Guest Lecture Coordinator**



**Head of Department**

HOD  
Dept. of Artificial Intelligence  
and Data Science  
ZES's Zeal College of Engineering  
& Research, Narhe, Pune-41.

	<p style="text-align: center;"><b>ZEAL EDUCATION SOCIETY'S</b></p> <p style="text-align: center;"><b>ZEAL COLLEGE OF ENGINEERING AND RESEARCH</b></p> <p style="text-align: center;"><b>NARHE   PUNE -41   INDIA</b></p>		
Record No.: <b>ZCOER-ACAD/R</b>	Revision: <b>00</b>	Date: <b>01/04/2021</b>	

**Department: AI & DS**

**Semester: I**

**Academic Year: 2023-2024**

**Class: SE**

**Date: 07/10/2023**

### **Report of Industry expert lecture on - “Foreign Language- Japanese ”**

Artificial Intelligence & Data Science department organized a guest lecture on Quantum AI for BE Students on 07/10/2023. It is very necessary for BE Students to understand and learn software engineering concepts. It will help students develop skills and to understand **Foreign Language- Japanese (Module 1)**. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mrs. Shweta Bodhe</b>
<b>Designation:</b>	<b>N3 certified Japanese trainer</b>
<b>Experience:</b>	<b>05 Years</b>
<b>Date:</b>	<b>07/10/2023</b>
<b>Time and Duration:</b>	<b>10:00 PM- 12:00 PM , 2hrs:00 Minutes</b>

### **Topics discussed during lecture:**

<b>Sr. No</b>	<b>Contents Covered</b>	<b>POs Mapping to the Contents</b>
1	1. Introduction to Japanese Language. Hiragana basic Script, colors, Days of the week 2. Hiragana : modified Kana, double consonant, Letters combined with ya, yu, yo Long vowels, Greetings and expressions 3. Self Introduction, Introducing other person, Numbers, Months, Dates, Telephone numbers, Stating on'sage.	PO3, PO4, PO4, PO5



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**Guest Lecture Coordinator**



**Head of Department**

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