About the Faculty Development Program

The Faculty Development Program is intended for faculty members of Engineering and Technology who were nominated by the respective Heads of the Department to represent their department for SRM-CIT's mission to enable supplementary curriculum content development for the various programs of SRMIST. The program comprises 25% theory and 75% hand-on practical content with Unity Software using C# programming language. Unity is a popular cross-platform game engine, which can be used to develop VR/AR/MR applications. The program is in physical mode only and attendance for all the sessions is mandatory for certification. There is no registration fee and pre-requisites for the program.

The following are the major topics and respective schedule:

Time	Topic
17-12-2022, 9:00 AM – 12:00 PM	Inauguration and Introduction to X-Reality Technologies, X-Reality in Education
17-12-2022, 01:00 PM – 04:00 PM	Introduction to Unity- UI, Basic Shapes, Textures, Assets, Prefabs
19-12-2022	Foundations of C# Programming Language for Unity
20-12-2022, 9:00 AM – 12:15 PM	Unity VR – Intro; Plugins, Packages and Assets
20-12-2022, 01:15 PM – 04:00 PM	VR Room Project – Locomotion, Object Grabbing & Socket Interaction
21-12-2022, 9:00 AM – 12:15 PM	VR Room Project – UI, Lighting & Optimization
21-12-2022, 01:15 PM – 04:00 PM	Sample VR Lab Development Application
22-12-2022, 9:00 AM – 01:00 PM	Application Deployment and Hands-on VR Experience
22-12-2022, 02:00 PM to 04:00 PM	Introduction to Haptics and Application Case Study
23-12-2022 9:00 AM – 12:15 PM	Marker Based Augmented Reality
23-12-2022 01:15 PM – 04:00 PM	Marker-Free Augmented Reality, Closing Remarks and Certificate Distribution

Center for Immersive Technologies

Immersive Technologies create or extend reality, which results in distinct experiences enabled by merging the physical world with digital or simulated reality. The Center for Immersive Technologies (CIT) is an ambitious initiative by the management of SRMIST to contribute in technologies like Virtual Reality, Augmented Reality, Mixed Reality, Haptics, etc.

6-DAYS
FACULTY DEVELOPMENT PROGRAM
ON
X-REALITY TECHNOLOGIES

17th December 2022 to 23rd December 2022

Offered by

Center for Immersive Technologies
SRM Institute of Science and Technology
Kattankulathur

Resource People

Mr. G. Karthikeyan, Dept. of Mechatronics Engg.

Mr. G. Vignesh, Center for Immersive Technologies

Dr. Mario Covarrubias, Politecnico di Milano, Italy

Dr. R. Senthilnathan, Center for Immersive Technologies

Convener and Contact

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