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Add-on course on "VR & AR Development"

Academic Year: 2022-23

Name of the Event: Add-on course on "VR & AR Development"

Date & Time of the Event: 14th, 15th, 16th and 17th September 2022

Name of the Speaker: Mr. Rahul Gupta

Designation: Founder and Managing Director

Name of the Company / Institution with Address: The Intellect Technologies, Mumbai

Targeted Audience: SE Comp

Venue: Computer Center and 307

Event Coordinator: Prof. Kimi Ramteke

Number of Participants: 132

Activity Description in Nutshell: This Add-on course was organized by the Department of Computer Engineering for Second year students on 14th, 15th, 16th and 17th September 2022.

Mr. Rahul Gupta (Founder and Managing Director) and Mr. Manish Jadhav (Research & Development Engineer and Trainer) of The Intellect Technologies have conducted the same at our institute. It was organized to help and support students to build the understanding for a domain like Machine Learning (VR & AR) required for future project ideas and development. On day 1 he gave an introduction of AR and VR with real time examples and taught installation and hands on unity 3d software & prepared AR markers based on Augmented reality under Project1.

On day 2 for Project2 marker less Augmented reality by adding different digital objects and sound effects was covered. He introduced social media filters such as Snapchat, Instagram etc. and taught students how to create their own filters using lens studio software and letter & published it on snapchat server.

P-14, Rajiv Gandhi Infotech Park, MIDC, Phase- I, Hinjawadi, Pune - 411 057, Maharashtra, India

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A Project of Hope Foundation - **FINOLEX**

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On day 3 under project 3 students learnt the concept of virtual world & how to make different environments in virtual reality as well as they constructed their own environment same like metaverse. In project 4 he trained students on the concept of 3d Real Time game development & how to develop the 3d environment for any game.

Mr. Manish Jadhav on day 4 started with oculus quest (device) introduction and in project 5 he taught students how to develop the advanced 3d environment by the help of oculus and students developed real time development using oculus quest 2 by experiencing the roller coaster ride, dancing robot, playing tennis in metaverse, boxing game in 3d etc.

Students completed the Projects Successfully in 4 days & then started with competition so that students can learn to implement 4 days of workshop skills in real time product development.
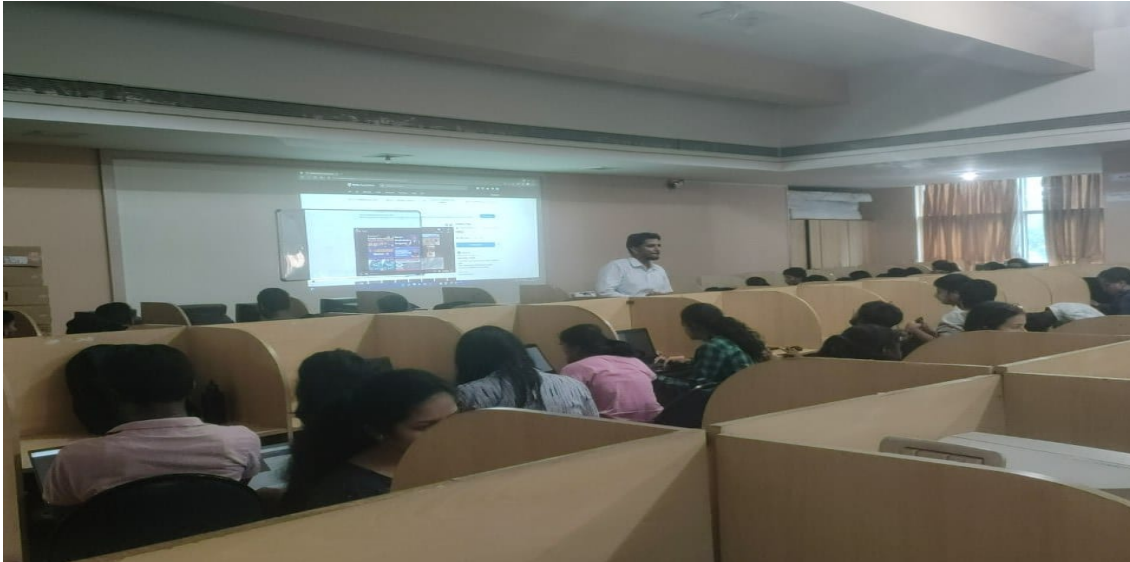
Also, it was pleasant to see students sharing their ideas on implementing this technology in future in a better way. Based on excellent performance in competition, Intellect Technologies has selected four students & they will get a certificate of excellence along with possible internship or technical resources/help for execution of their ideas.

Lastly ended the workshop by certificate distribution.

Event Photos:

Mr. Rahul Gupta introducing concept of AR and VR with real time examples and demonstrating installation of unity 3d software

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Explaining virtual world & how to make different environments in virtual reality

While solving issues faced by students during the session

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While students practicing, developing and enjoying the projects using Oculus during the session

A group photo with Resource Persons Mr. Rahul Gupta & Mr. Manish Jadhav and Students

Certificate distribution to students by Mr. Rahul Gupta & Mr. Manish Jadhav respectively

Prof. Kimi Ramteke   **Dr. Ajitkumar Shitole**
Add-on & Value added course Coordinator   **Head of Department**