Five days ATAL Sponsored FDP
on
Virtual and Augmented Reality for Robotics
From 12th to 16th July, 2021

VIMAL JYOTHI ENGINEEERING COLLEGE, CHEMPERI, KANNUR-670632

SCHEDULE

DAY 1	08.45am - 09.45 am	10.00 am - 11.45 am	01.00 am - 2.45 pm	3.00 pm - 4.30 pm
12/07/2021	**Inaugural Function** **Inaugural Address** **Dr. M. Manivannan,** Professor, Touch Lab Biomedical Engineering Group, Department of Applied Mechanics IIT Madras	**Dr. Anmol Srivastava,** Assistant Professor, UPES Dehradun, "Fundamentals of VR/AR,Haptics Technology"	**Dr. Hareesha K.S,** Professor MAHE-MIT "Introduction to Virtual Reality & Augmented Reality for Immersive Learning Experience"	**Dr.Fr. Seban Cheripurath,** Santhitheeram-Center for Counselling & Psychotherapy "Take it Easy" - Psychological workshop on stress management
DAY 2	**9.15 am-11.00 am**	**11.15 am-1.15 pm**	**2.00 pm-3.30 pm**	**3.45pm- 5.15pm**
13/07/2021	**Dr. Debi Prosad Dogra,** Assistant Professor, IIT, Bhubaneswar, " AR Applications for Education and Entertainment".	**Dr. Amit Kamra,** Assistant Professor, GNDEC Ludhiana, "Virtual Reality Using Google Card Board (Design of low-cost VR device at home)"	**Mr.Anumukonda Ramesh** Founder A Plus Associates "VR:MR:AR application in the Metaverse of Realtime 3D Content Creation in Unreal Engine"	**Dr.Sridharan** Associate Professor Vimal Jyothi Engineering College "Robotics Applications"
DAY 3	**9.15 am-11.00 am**	**11.15 am-1.00 pm**	**1.45 pm - 3.30 pm**	**6.45pm - 8.30 pm**
14/07/2021	**Dr. Samit Bhattacharya,** Professor IIT Guwahati, "Basics of User-Centered Design:	**Dr. Samit Bhattacharya** Professor " User-Centered Design for VR"	**Mr. Vijay Karunakaran,** Founder & CEO, TNQ InGage Technologies, "AR & VR in HealthCare/ Medical Sciences"	**Dr. Debanik Roy,** Scientist, Division of Remote Handling & Robotics, Bhabha Atomic Research Centre, Department of Atomic Energy (DAE), Govt. of India, & Professor, Homi Bhabha National Institute (HBNI), DAE **"Tele Operated Robotics"**

DAY4	9.15 am–11.00 am	11.15 am–1.00 pm	1.30 pm–3.15 pm	3.30 pm–5.15 pm
15/07/2021	**Mr. Shashi Kumar**, CoreEl Technologies "Exploring Challenges with Artificial Intelligence and Augmented Reality"	**Dr. Keyur Babulal Sorathia**, Assistant Professor, IIT Guwahati, "Virtual Reality – Use cases, challenges and opportunity areas "	**Dr. Brojeshwar Bhowmick**, Scientist, TCS Research, Kolkata, "An introduction to Multi-view Geometry and its applications in 3D reconstruction, Robotics and AR/VR"	**Mr.Naveen Rastogi**, Engineer 'SD' Institute for Plasma Research, DAE, Govt. Of INDIA, "**Virtual reality applications in remote handling**"
DAY 5	9.15 am–11.00 am	11.15 am–1.00 pm	1.30 pm–3.00 pm	3.15 pm–5.00 pm
16/07/2021	**Dr. Asokan Thondiyath**, Professor and Head, Dept of Mechanical Engineering, IIT Madras. **Teleoperated surgical robotic system**	**Dr. Pradipta Biswas**, Assistant Professor IISC Bangalore, **Human Robot Interaction using AR/VR systems"**	**Dr. G. Glan Devadhas ,** Assessment Coordinator -FDP, VJEC	Feedback+ Valedictory