



## **B.M.S. COLLEGE OF ENGINEERING BENGALURU-19**

(Autonomous College, Affiliated to VTU)

### **Department Of Computer Applications**

#### ***Schedule for Augmented Reality Value added course***

<b>Date</b>	<b>Topics covered</b>	<b>Resource Person(s)</b>
18/01/2023 6.00PM to 8.00PM	Introduction to Computer Graphics & OpenGL Installation	Pushpa T S
19/01/2023 6.00PM to 9.00PM	OpenGL – point, line, triangle, quad functions	Pushpa T S
20/01/2023 6.00PM to 8.00PM	Transformations implementation using OpenGL – Translation, Scaling and Rotation	Pushpa T S
21/01/2023 6.00PM to 9.00PM	Reflection & Shear implementation using OpenGL	Pushpa T S
23/01/2023 6.00PM to 8.00PM	Introduction to AR, Unity Installation, Creating simple Animations using Unity	Pushpa T S Amit Karmakar
24/01/2023 6.00PM to 9.00PM	Camera Calibration, Creating Environment using 3D models	Pushpa T S Amit Karmakar
25/01/2023 6.00PM to 9.00PM	Keyboard & Mouse events using unity	Amit Karmakar
27/01/2023 6.00PM to 9.00PM	Pose Estimation and Tracking, Vuforia installation, creating simple AR applications using Vuforia	Pushpa T S Pranav Ram A
28/01/2023 11.30 to 2.30PM	Introduction to AI & its applications in AR	Dr. K Vijaya Kumar
30/01/2023 6.00PM to 9.00PM	Designing interactions for AR, Prototyping AR Projects, AR & VR ideation.	Amit Karmakar
31/01/2023 6.00PM to 9.00PM	Demonstration of AR projects, ARKit – to create interactive augmented reality experiences.	Amit Karmakar