

Guest Lecture on "Computer Graphics using C++"

Academic Year: 2022-23

Name of the Event: Guest Lecture on "Computer Graphics using C++"

Date & Time of the Event: 24th November 2022

Name of the Speaker: Bharat Shrikant Mazire

Designation: Research & Development Engineer

Name of the Company / Institution with Address: Ansys, Pune

Targeted Audience: SE Comp

Venue: I2IT, Pune

Event Coordinator: Prof. Milana Malvadkar

Number of Participants: 109

Activity Description in Nutshell: The objective of this course is to provide students with an introduction to the hardware, drawing methods, geometrical transforms, and shape representation schemes that are important in computer graphics. The hardware surveyed includes contemporary graphics cards and flat panel displays. Line and polygon clipping techniques are addressed. Two and three dimensional geometric transforms are covered and various projection schemes are presented. Local and global illumination simulation are discussed. Finally, we look methods for modeling three dimensional objects. Another major objective of this course is to give students "hands-on" experience with graphics hardware and software systems. The programming assignments are performed on a PC running Windows. Students work in C++ and, for their initial assignments, they use the OpenGL application programmer's interface on these machines. In the programming assignments in this course students develop interactive graphics programs that produce pictures of two and three dimensional objects. They also get exposure to a graphics engine that is used to create computer games



Event Photos:



Mr. Bharat Shrikant while demonstrating use of Computer graphics using C++





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Prof. Kimi Ramteke
Add-on & Value added course Coordinator

Dr. Ajitkumar Shitole
Head of Department