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ACHARYA INSTITUTE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AlCTE, New Delhi and Accredited by NBA & NAAC)
Acharya Dr. Sarvepalli Radhakrishnan Road, ACHIT Nagar Post, Soladevanahalli, Bengaluru - 560107

Computer Graphics and Fundamentals of Image processing INTERNAL ASSESSMENT-II QUESTION PAPER

[Academic Year: EVEN 2023-24]

Subject Name: Computer Graphics and Fundamentals of Image processing Branch, Semester & Section: CS&E, VI [Common to all sections]

Subject Code: 21CS63

	Max Marks: 20M Timings: 9:40AM-1					e: 27-06-2024			
						0:40AM (60-Mins)			
Note: (Question no 7 is compul	sory.							
Q. No		QUESTION		MARKS	RBT	CO			
1	Write an OpenGL segme glutMouseFunc API's		king of glutKeyboardFunc and	5M	2	СО			
2	Illustrate the logical cla	OR							
	Illustrate the logical cla with examples	5M	2	СО					
3	Apply 3D reflection relat relative to a selected refe	5M	3	СО					
	Apply 3D homogenous	OR							
4	Apply 3D homogenous For the triangle A (3, direction by 90 degree a for the original and rota	5M	3	CO					
5	Write an OpenGL code items a) Submenu draw with b) Main menu with 3 ite And also function/API	5M	3	CO					
		OR							
6	Analyze animation tech Motions	niques used for creating	ng a character and periodic						
7	Apply appropriate algorithm to draw a 3D unit cube at origin, rotate it by 45				3	CO			
	degrees on z-axis. Transl Units on x axis and sca forthe original and t	5M	3	CO					
COURSE CO2	OUTCOMES :On Completion o	f the course, the students wi	III be able to:						
	Apply 2D and 3D geometric transformations using OpenGL APIs to transform objects. Analyze GUI, Input interactions and animation techniques to animate the created objects.								
CO3	Analyze GUI, Input interaction	is and animation techniques to	animate the created objects.						
Co	Signature of the ourse Coordinator	Signature of the Module Coordinator	Signature of the Test Coordinator	Signature o	f the H	OD			
Mrs. Varalakshmi B D Assistant Professor, CS&E Mr. Jawahar Jonathan Assistant Professor, CS&E		Mrs. Sneha N P Assistant Professor Department of CS&E	Mrs. Viiayalakshmi S A Mrs. Bajani Kodagali Assistant Professor Department of CS&E	Dr. Afith Padyana Professor & Head Department of CS&E					