arenied func wew will Misappear 1- animated : Bool & super wiew Will Disappear Canimated , scane l'en escrion poure fun renderer (- renderer : SCN Scano Rendary node for anchor: AR Anchor) -> SCH Noden? 5 let node = SCNNode () 2 Juturn node fune session (-session: ARsession, didfaillaith All Breezerstan niersage to the wer fun a session was Interrupted 6 session: ARSission June session Interrougtion Ended Coursin : AR Sinsion

VISHWAVIDYALAYA INDORE

CLASS WORK				ASSIGNMENT No 2
SESSIONAL WORK				EXPERIMENT
SUBMITTED ON				LNO 19100BISAMAOSYYY PARTMENT
CLASS	. O a . d . A	Politi	A STATE OF THE STA	DE NO
SUBJECT - \	JR and A	rd reaming.		NAM Acouset
Signature of Student				Signature of Professor
1810 3.44	Fapenimer	nt-2		
Acad (Albrer)	THE RESERVE OF THE PARTY OF THE			using sconekit
	program:	22.0	ASSISTED OF	10 Ham (1.4)
4	umport		2578 P. CO	1. Martin Par
		Sunskit	en Hanson	1. 1000
1	import	ARKIL	100	2.4121
	class U	iem Contro	ar : Ullian	Controller,
,	B	RSCN Wen	Deligate ?	
				view: ARSCNView!
ACTO VAL	QUENT	ide junc	warbidl	oad (1)
	SIND	es viend	idlaad ()	
	l.t	Configura	Dien = AK L	Dorld Tracking Config-
	Sce	ne View si	uion vum	(configuration)
	eces	e View .	delegate =	cely
	Su	nellieu	shows Ital	hio = 98 les
mark jaco	, let	Scene =	Sensin	(named: " ont. scrope /ship.scn')
	1	The State of the last of the l		the state of the s

Exporiment -3
Ain: - Add Objet Structure
program:
import ulkit
import Scinckit
import AR kit
class Miew Controller : Ul View Controller, ARSCNWW Puligate &
elet configuration = AR Warld Fracking Configuration()
det node = SCNNode ()
@ 18 Outlet van conclien : ARSCN View !
@ 18 Action fun sphere (-sender: UlButton) {
nod eumour Fran Parent Wode ()
add chape (node : nade)
and chapter of the state of the
@ 1BAction func come (sonder: UIButton) &
node remous from Parent Node ()
nade geometry = SCN/one (top Radius: 0, bottom
Rodius: O.1, hught: O.1)
add shape (node : node)
approximate the second of the
@ 1B Action June reset (sendr : UIB attom) &
Sune View - Sellien poure
nade remove From Parent Node ()
surellieur cient voot Node addChildNodelnode
cienquien cession run (configuration, optrons: Exesortant
The state of the s



June add Shape (node: SCNNade) ? lighting Model=
Parala acanisha ? liret Material ? lighting Model=
nade geometry? first Material? lighting Model:
physically Based ? metalness.
pode geonutry? first Material? onedalniss. contents - who for (white: 100, alpha 100)
contents - or low course, tour, my
nade geometry? first Material? diffuse
contents - Ulcolor (white :0.2, alpha! 1.0)
neal account le lingt Material : gaugness :
contents = 121 (atox (white :0.0), agent
had a grandery ? Myst Material ; Transport
- nyModi = dual Leyer
nool geometry?, first Material. is Double Sided
= fru
A substantill vestilling of carpation is five
node geanutry? first Material? transporter
- mose general f
and control of the second of t
elet same = 8 CAI Came (1
grene, root Node, add Child Node (node)
grene View . Srent = srent
? Come View . Stores
Produced ()
aunzide finner were Didhoad !)
7
Super view Did Land
greng lieur out a enables Defattlighting = trus
sconcilion session run (configuration)
2

Available at: JSA



Experiment 4
Aim: - Add world origin and feature points
Program: import Ulkit
(a) main
class Apphiligate: Ul Risponder, Ul Application-
did Pinishlaunching With Options launch Options: [Ulapplication, Launch Option key: Any ?) -> Bool &
did Prinish Joursching With Options Councis Options: 6
9
func application (- application: UIApplication;
V con Liquidation for Connecting Connecting Sum 218810m.
- tions) -> Ul Same Configuration?
recturn Ulsune Configurations (nam: "Pifault
Configuration", session Role: connectinghemisession.
June application (-application: 11 Application, did Discard- Scene Sessions some Sessions: Set < 11 Same Sessions) }
2 sono Servina sometersions, It Cli June 200010000)
3



President 5:- Aim:- Change the position of object use stiden un sometime.
Aim: - Change the pasition of the
in samellieur.
program: import Ulkit
IMPORT HERI
1 1 Carrollit
Man lieu Controller: Of Vieu animals, moderate &
let configuration = ARWarld Tracking - Configuration ()
configuration ()
@ 1Boutlet var sumellieu? Apschluieu!
@ Boutlet von xslider. Ulstider!
@ Boutlet var yslides: Ulstides:
a Boutlet was zelian: Ulstiden:
@IBAction functional Bto C. sends: UButton JE
@ 1BAction June 7st Btn (-conder: UI Button) &
sane lier genein pour ()
scene lieu. scene roof Node enumerate Child Wody
(node, -) in if nodinance == "Sphine" {
nade remove from Parent Node () { ?
scene Vieu sission, run Compiguration, options: E
To ourset Tracking 7) }
June show Shape () }
let node = SCMMode ()
node geomitry = SCNSphere (radius 0.1)
node geometry? firetMaterial? diffuse content? = Ul Color orange.
nocle position = Consultor 3. (xclider value)
Available at : JSA



THE

D + 1 1 2 -
Papeninunt 6:- Aim:- Add different shapes in scenation
program:
simport ARKIT
t e lit
classification introller in the controller toks controller
@ 18 putlet von gemolien . HKSChives;
June showshaped?
V . N. + Oads = SCANNOCK ()
- SCHISPHILL GOVERNO
made a decreation of first Material and
- Illimage Comisa : "img. ipeg)
node position = SCN Wester 3 (0,0,0)
nade pance = " sphere"
AL COORS = SCALSCORIL
scene background contents = (11 mag, (nanud; in.
Scone Wiew. Scon = scont
Siene want wad add Child Wade (nede) {
ourride fune view pidhoad () 5
super view bid Load ()
3 censuleur. delegate = set
Scenellier : Chows Statics : true
scenellien deby Option=[ARSCNDidigOption.
scenellion aining option option show
Showborld Origin, ARST Nordyg Optim show-
- feature Paints
ShowShap ()
2 The second of the contract o
1 diente and



Experiment 7.
Alm
program: import Ulkit
import ARkit
import Scone kit
class Wew Controller: DI Wien Controller, ARS CA
@18 Outlet von sceneview? ARS (Niver) - Wew Religate?
clit config = ARwarld Tracking Configuration ()
fun (3 haw Shape 1) }
let node - scannode ()
nadi geometry = SCNSphore Gradius o. 1)
node geometory? first National ediffuse content:
Ulldar mange
node position Schluster 3 (0,0,0)
node name = "aphine"
elet sune = SCALDine ()
Sunellien scene = scener()
semi, root Node, add third ned (rod)?
(1) BABation functionent/- sender: An 18 scenestion some
& parshed Stein colleur session run (configuration: Treset France
Ouride fune view Didload (1)
Suph wiew Didload ()
Sienewich deligate self
Sceneliew. Show Etatienting-true
Scenelier auto enables Befault Lighting = to
Scimelliano, albus Options - PADECAINIA, and
Worldonigen, ARSCNALdur Option. showfeating Points)
Show charpe ()