

**Faculty of Engineering, Christ University**  
**Department of Computer Science and Engineering**  
**Report on Technical Talk on Game Development with Unity3D**

**Resource Person:**

**ShivaPrasad.K**

**6th SEM, Acharya Institute of Technology, Bangalore**

**Creative, Idea and Technical Head, iCare Group, Bangalore**

**UI/UX Developer, Joypal Technologies, Bangalore**

**Date: 24<sup>th</sup> June 2016, Time: 9:00am to 12:00pm**

**Participants: 3<sup>rd</sup> Semester Students and Faculties**

**Members Present**

Dr.Samiksha Shukla

Prof. Sathish.P.K

Prof. Mukesh Kamath

Prof. Deepa.T.P.

Prof. Bijeeesh T V

Prof. Prashanth

Prof. Rohini

Prof. Dilna

Prof. Mahesh

Prof. Naveen

Game development is one of the most interesting and creative field of today's IT era. Considering this, a talk on development of game with Unity 3D software, hands-on session was conducted by Mr. Shiva Prasad. It was a educational and amazing session where students could experience about what happens behind the scene in most of Gaming Industry.

During this talk, resource person introduced students about basic knowledge of unity 3D. He explained about co-ordinate system of unity 3D. He demonstrated steps to build simple roll-a-ball game. A game in which user had to control the ball and collect the coins till a certain limit. He also explained steps to create objects like ball, wall etc. in the game. He taught about how to develop game using C# to make these objects function.

With prior instructions through mail, he shared procedure to install unity 3D in students' laptop. All the students had installed software before coming to the session. He asked them to create Unity account. They followed steps taught by him. He showed a simple game which contained static revolutionary blocks which are arranged as 'CHRIST'.

He also gave some tips and taught tricks to learn and use programming languages in the game development. He demonstrated how to create a simple project in Unity 3D. Meanwhile students followed his instructions and finally they developed a simple rolling ball game.

Following are the steps to create a simple roll-a-ball game which was discussed during session

1. Create a new project in Unity
2. Create a plane as base foundation on which the rolling ball will move on.
3. Create primary game object i.e. sphere
4. Add directional light for clear view
5. Add physics and controlling C# scripts to the game object so that it can perform some operations.
6. Saving the script using appropriate nomenclature
7. Adjust the game camera angle
8. Create levels with the same steps mentioned above (optional)
9. Create walls to prevent the object from rolling over.
10. Create your pickup objects (coins).
11. Assign scripts to those objects so that it increments your points whenever you collect one of them.
12. Add a win text to the level when you have completed collecting all the pickup objects.
13. Save the game and build it into an .exe file.
14. Roll-a-Ball game is ready to play!

## Outcomes

1. This talk helped to develop an interest among students about game development.
2. For beginners, this helped to learn basics of Unity software.
3. It helped to learn about working of Unity and usage of tools provided.
4. Students could learn about how to create game objects using this software.
5. Students learnt how to make game presentable and sharable.
6. It was fun learning new gaming concepts to students.
7. This session is a good start for future game developers as it created interest in many students.

## List of Students who attended the session

Roll No\Registration Number	Student Name	Roll No\Registration Number	Student Name
1560301	ABHISHEK SHARMA	1560370	JENNIFER ANN ISSAC
1560303	ADITYA NALAM	1560381	SUSAN THOMAS
1560305	AKSHAY BANGIA	1560418	DERICK THOMSON
1560306	AKSHAY SACHDEVA	1560440	NIKHIL A TANNI
1560309	ANISH SHARMA	1560444	SAIKAT BHOWMIK
1560310	ANTONY JOHN ASHWIN SHEEN	1560448	ANKITA RASMI SAHAI
1560313	ASHISH JOHN STANLEY	1560452	PRIYANSHI SHUKLA
1560314	ATEET DUBEY	1560454	SURAJ MANDAL
1560315	AYUSH S	1560455	VENKAT SHIVA SAI DESAI
1560317	CHANDRAGIRI BALA SATISH YADAV	1560456	RON MATHEW SAM
1560318	DAYARAM P	1560476	KUMARI MENKA RAUSHAN
1560319	DEEPTANSHU PAUL M	1560914	ASHISH IMMANUEL JOHN V
1560320	DEVANAND D	1561397	AZHAM HASSAN V
1560321	DODI J SUNNY	1561404	DIVYA TATED
1560322	DOMINIC KENNETH.S	1560338	NEVILLE VINCENT
1560325	GEORGY AEISHEL	1560339	NIVESH AGARWAL
1560330	JUVAN JOSE	1560340	PIYUSH KANDULNA
1560331	KUNAL HIREN PATEL	1560341	PRATINAVA RAJPAL
1560332	LEROY CARLTON SALDANHA	1560343	RAHUL LOUIS ANTONY
1560333	MARCEL BASTIAN DCOUTO	1560947	M SHREYA REDDY
1560363	ANEEGA NAMBIAR	1561344	RAUL SHELDON PINTO

1560364	CELIN T THOMAS	1560414	SUMANT CHOUDHRY
1560344	RAHUL.B.GEORGE	1560416	KUNAL SHARMA
1560347	ROHIT JOHN PHILIPS	1560417	ARJUN K P
1560354	SRIRAM K	1560419	AJAB ASGERALI SALEH
1560357	SYED NIHAL AHMED	1560420	RASHMI GHOSH
1560360	TSERING LOSEL	1560421	ALBIN THOMAS
1560361	UTKARSH SINGH	1560422	SUBHAM SHARMA
1560372	LIYA C T	1560423	SURAJ NEGI
1560374	MUMMADI MOUNIKA	1560425	MUHAMMED SAHEEM N
1560380	SUBHRA D	1560426	NAMAN SHARMA
1560383	VENISHA AILEEN DIAS	1560427	ANJALI MATHEW
1560384	ANEESH SHUKLA	1560428	SUBHRAM DAS GUPTA
1560385	FARAZ SHAFI	1560429	UTKARSH RASTOGI
1560386	AMALA ANN CYRIAC	1560430	VARUN KAPOOR
1560387	PRAJWAL ANAND	1560431	SAGAR G R
1560388	N KRISHNAPRASAD	1560432	JASWANT KAPILBHAI KESARIA
1560392	KENNY P LAKSHMANAN	1560433	MUHAMMED DILSHAD C P
1560397	ASHISH ADITYA DEO	1560434	SURYANSH CHAUDHARY
1560398	MINHAZUL KAREEM M A	1560435	CHRISTY SUNNY
1560400	JOSHUA JOHNSON ABRAHAM	1560436	AVULA VINEAL SHILOH
1560401	KEVIN KARANI	1560437	ARJUN S KASHYAP
1560438	HIMANSHI BARANWAL	1560446	GOUTHAM BABUSURESH MENON
1560442	JUHI JYOTSNA TIRU	1560447	NAVYA SERA VERGHESE
1560453	ANDREA GRACE PRAKASH	1560449	KAUSTAV GHOSH
1560458	POLURI VENKATA SAI RAGHAVA KOUNDINYA	1560450	DEEPAK AGARWAL
1560460	MADHAVENDRA SINGH NEGI	1560473	SAKET SARAF
1560463	YASHASVI	1560474	ANAND DIXIT
1560465	RAGHAV SARDA	1560475	VIGNESH K
1560472	YUGESHA C K	1560477	DEEPAK PANDEY
1560919	SACHIN	1560478	ABHISHEK KUMAR
1560378	PRIYANKA MIRANDA	1560479	RISHIK BANKA
1560390	SANJANA C SHEKAR	1560483	JAGPREET SINGH
1560393	GOMES VANESSA CASSIAN	1560485	PIYUSH KUMAR
1560402	SANJANA PILLAI	1560486	BALEPALLI SUBBARAO
1560403	MONISHA UNNIKRISHNAN	1560488	PERAM CHARAN KUMAR REDDY
1560404	SWETA SINHA	1560489	MOHAMMAD IMRAN
1560405	ROHIT SHARMA	1560508	GEET JETHWANI
1560407	SHIVAM THAKER	1560410	SAYEED SALMAN

1560411	ABHILASH PREMKUMAR
1560412	ANJITH
1560413	SHREYAS YAKHOB
1560545	ANLIN ASSISI
1561356	B HANNAH ABRAHAM
1560902	ANSHUL K SHAJI
1560903	P.KARTHIKEYAN
1560905	ROHAN R GEORGE
1560906	NISHA BAID
1560907	P GAYSHREE
1560908	SANDRA BINOY
1560909	SHREYA GURUNG
1560910	T VAISHNAVI
1560911	HEMANTH R
1560913	SNEHA B ANTONY
1560916	DEEPIKA KUMARI
1560917	JOSHUA DOS
1560920	MANUVARTHI SAI AKHILESH
1560921	SAMEER KUMAR N
1560922	NELSON PAULOSE
1560923	MOHAMMAD TAABISH SABIH
1560924	PREETHI SAMPATH MEGHADRI
1560925	NIDHI
1560926	PANCHAMI.M
1560927	MOHIT CHOUDHARY
1560928	ASHISH JONNALAGADDA
1560929	SARTHAK AWASTHI
1560930	SAKSHI PUROHIT
1560931	ADITYA GOEL
1560932	PARTH DOMADIA
1560933	SARTHAK MISHRA
1560934	JOSEPH MATHEW
1560935	STUTI KUMARI
1560937	SACHIN SINGH
1560938	PANDI HARSHA VARDHAN
1560939	SHALINI TIRKEY
1560940	BISATI SAI VENKATA VIKAS
1560941	AJAY PRASANNA Y
1560942	MANTHAN DOSHI
1560943	LIPIKA JHA
1560945	SUDARSHAN KUMAR
1560946	SIDHANSHU BINANI

## Photos:







