



THE CHANGE IN GAME DESIGN AND DEVELOPMENT

Asst. Prof. Vivek Udawant,
Assistant Professor,

Asst. Prof. Ameer Inamdar,
Assistant Professor,
Department of Animation

Asst. Prof. Nikita Deore
Assistant Professor

Dr. D. Y. Patil A.C.S. College Pimpri, Pune, India

Abstract:

AR, VR, Big Data, Cloud gaming, what to seem for in terms of the game development in 2020? Here are the most trends you must remember of.

According to various analysts the videogame market will rise to \$90 billion in 2020. While both big and little gaming studios are already experimenting with usage such innovative technologies as AI, VR etc., within the nearest future we may expect something really amazing.

Keywords: Cloud Gaming, AR, VR, 5G Effect, Handheld Device

I. INTRODUCTION:

No one can deny that the game industry is rocking the planet of technology. You'll be amazed as nowadays there are very unique features that are added within the games so as to form them interesting and adventurous. There's an enormous rise in game development, because of different contributors within the game's world like video game and augmented reality. These two technologies became the lifeline for game development as they're highly appreciated by the users also.

Due to of these technologies, there's an enormous rise within the demand for games that are backed by a singular and special idea for players, across the planet. This is often the particular reason, why leading game development companies are bringing the simplest outcomes for his or her customers all round the world.

At present, there are a minimum of 2.2 billion people that are keen on games and who like to play on their phones.

According to a report, it's been stated that the computer game market (both for Desktop and Smartphone) is predicted to get older to \$90 billion USD in 2020. As a result, 53% of the game developers are focused on building games for the PC and Mac while 38% of the game developers are creating games for mobile phones.

II. THE CHANGE IN GAME DEVELOPMENT:

Well, the gaming company in India is witnessing tons of changes within the development trends. Earlier the games were played on the consoles and now smartphones and tablets have taken their place. The trends are changing at a really fast pace then is that the field of game development.

It is extremely important to remember of the revolutionary era of mobile technologies. The users are basically more conversant in mobile devices and that they are using them on a day to day. This is often the most reason why people usually prefer mobile applications over websites. This is often probably the main reason why users became keener on mobile gaming.

As a result, the simplest game development companies have begun to invest their time in mobile game development. It is also worth noting that mobile game development is an ever-changing scenario. A day new technologies are being introduced to form engaging and highly addictive mobile games.

III. HERE ARE A NUMBER OF THE MOBILE GAME DEVELOPMENT TRENDS FOR 2020:

3.1. Cloud gaming:

Cloud gaming is certainly one among the highest gaming trends immediately, all because of stable and lightning-fast Internet connections. With this technology, you'll be ready to play various sorts of games from any gadget with a stable Internet connection. It'll be an equivalent as streaming a video and music file online.

The basic advantage of this emerging gaming technology is quick updates. You'll be ready to get the updated games online with none hassle. This may possibly make video games more accessible and affordable to those that don't have access to a gaming console as players would be ready to play games on their PC itself.

3.2. Renewed specialise in 3D:

The gaming industry has recently began to witness the revival of 3D. The consequences of the 3D games are directly visible within the quality of the graphics alongside the general game designs. As for game development, the professionals are basically leaning towards creating a game that's a sort of intensive entertainment through 3D technologies.

3.3. Handheld consoles:

It is true, that the hand-held consoles became obsolete within the 2000s. Gaming consoles like PlayStation and Xbox have completely replaced these handheld gaming devices.

However, there's still an audience for mobile gadgets that are specifically assigned to video games. Players, on any given day, would choose a fanatical console over their smartphones and tablets. You'll be amazed to understand that, the hand-held consoles are going to be the important element of the gaming technology in and after 2020.

The gamers and therefore the gaming technology will have quick access to intensive gameplay within the future, because of these handheld gaming consoles.

The handheld game consoles within the future are going to be very interesting for the people that are nostalgic gamers from the older generation and for the gamers who actually want to play while moving without the disturbance of the opposite mobile apps on the tablets and smartphones.

3.4. The 5G effect:

The 5G effect are going to be launching in 2020. As a result, the web are going to be bringing a revolution in cloud gaming. The high-speed internet connection will actually pave the way for the game developers as they will experiment with the top quality and therefore the high definition graphics for internet gaming.

The 5G are going to be providing an opportunity to the mobile game developers to truly experiment with the cloud gaming for the mobile games with the console-level graphics.

3.5. AR and VR:

As we mentioned earlier, both virtual and augmented reality is probably going to vary the game development scenario within the coming future. People are showing an interest in these technologies as they create the gameplay more engaging and fun.

Augmented and computer game is certainly a multi-billion industry. There's little question that it'll definitely be getting to bring tons of earnings to all or any the users of the globe. Both AR and VR are completely handling a good set of unique added features which will make the user experience engaging while playing games.

3.6. The rising popularity of mobile gaming:

The rising popularity of the games like PUBG alongside the Nintendo reviving and its arcade games for the mobiles has definitely opened with the mobile game development avenue for the longer term generations.

The handheld consoles also are making a comeback within the sort of secondary devices alongside tablets and smartphones as they're the opposite major contributor to the game development sector. The game developers are going to be taking an opportunity into the sector of mobile game development from the essential gaming apps to the high-tech console gaming development.

IV. CONCLUSION:

The independent gamers, also because the mega gaming studios, will certainly be dwelling into the multiple technologies and tools so as to experiment with the game developments. The longer term of the game development is of high-tech, hyper-realistic and collaborated. As long as you've got a singular gaming idea, you'll hire a game development company and permit the professional developers to show that concept into an enticing game.