

## 3D Animation: Maya or Blender

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### **ABSTRACT**

Animation is a type of optical illusion or we can say that the chain of drawing pictures with different 3D software's in the form continuous frames and we see the moving picture. The output of using still pictures is a moving picture with the rate of 24 or more pictures per second. Different effects which are common in Maya and Blender are like modeling, shading, texturing, rendering, edit mode object, modifiers, physics, game design mode, cycle rendering, compositing etc. Different types of software's can be used for creating 3D animation. In this paper we will study by applying different effects with 3D software's like Maya and Blender. This paper shows the comparison between 3D software's Maya and Blender after applying different effects.

**Key words:** Modeling, Rendering, Maya, Blender, Game, Texturing.

### **1. INTRODUCTION**

It is the process of generating three-dimensional (3D) images which are moving in a digital environment the 3D animation consists of a group of frames in which the object is

shapes, modifiers, particle system, applying physics basics, rendering effects etc. so overall different types of effects can be applied on different objects in different 3D software's. Finally we will create a rendered object with camera and lightning effect.

## **THE EMERGENCE OF AI THROUGH MACHINE LEARNING AND DATA SCIENCE**

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### **ABSTRACT**

Machine learning is to make computer smart enough to analyze a state/situation without human intervention. This is a scientific process of enabling computers to think, listen/see and act/react without being explicitly programmed. Whereas Data science is a multi-disciplinary field that uses scientific methods, algorithms, processes and systems to extract insights and knowledge from structured and unstructured data. These two concepts have impacted the industry in very positive manner. Artificial Intelligence is the process to teach the machines to do multiple useful actions. In this paper we will discuss about different emergence techniques of AI with the help of Machine learning and data science. This paper also elaborate different techniques used in Machine learning as well as relationship between Data Science and Machine Learning. It shows the role of data science in AI. This study reviews about how technology changes from traditional approach to machine learning approach with the rise of machine learning techniques, methods and algorithms, applications in businesses. Basically this paper emphasis on Machine learning and Data sciences concepts which improved the area of Artificial Intelligence.

**Keywords:** AI, Programming Approach, Machine Learning, Algorithms, Natural Language processing, supervised learning; unsupervised learning; reinforcement learning.

### **INTRODUCTION**

AI is just a computer that is able to simulate human behaviour or thought. Another term, which is the subset of AI called machine learning (most exciting part of AI) which allows computers to

# Testing to find Defects Early: Comparative Analysis between Testing Strategies

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**Abstract**---Software Testing formally called as Software Quality Assurance (SQA) is a process to ensure that a software product meets its defined specifications and customer expectations. Quality Assurance is more centered on dealing with the product life cycle, finding bugs against expected application behavior and software usability aspects and ensuring that the product meets the defined quality parameters or client agreements. In simple words, Software Testing means Verification of Application Under Test (AUT). There are numerous types of testing that are required to accomplish to ensure quality of a software program/system. This paper covers various testing approach and testing types and how these helps in ensuring quality of a software. It also covers functional and non-functional aspects of software testing

**Keywords**---Bugs, Defects, Errors, Failure, Functional, Non-Functional, Software, Testing.

## I. INTRODUCTION

**S**OFTWARE testing is the process of finding out faults, failures, defects in a program. The main aim is to evaluate, verify and validate about the software program that it should be bug free [9]. The main idea is to improve the software in terms of reliability, efficiency, usability, accuracy, functionality etc.

As it is know that error leads to fault and fault leads to failure. Error can be human error i.e. misunderstanding of the code and

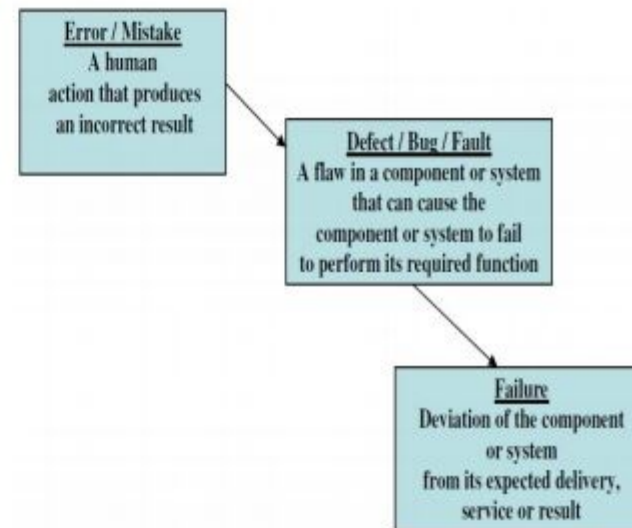


Fig 1 Differentiate Between Error, Bug and Failure

## II. DIFFERENT LEVELS OF SOFTWARE TESTING

Functional Testing or Component Testing based on testing the functionality of the software. This testing done against business requirements. Whereas the Non-Functional Testing done against the non-functional requirements. This mainly

# IOT strategic research and use case scenario: A direction to the smart life

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## **ABSTRACT**

IOT (Internet of Things) becomes an important technology which allows communication between objects, machines etc. IOT becomes the wide area for researchers. It is technology which help the objects to interact with internal as well as external environment, which in turn affects the decisions taken. The type of communication like human-machine, human-human or machine-machine. The IOT sensors have different types of connections such as GSM, GPRS, 3G, LTE, RFID, Wi-Fi, Bluetooth, and ZigBee. This paper covers the most important issues and challenges for Internet of Things technology. This paper elaborates the key issues with the help of different types of technologies as well as about current and future research and development efforts in this field.

**Key words:** Internet of Things, RFID, technologies, research, use case scenario.

## **1. INTRODUCTION**

The Internet of Things (IOT) is a continuous and advancement in technology (figure 1) which

Objects through internet can communicate like one machine can communicate with another machine (M2M).according to a survey the number of internet connected devices will be