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AUGMENTED REALITY IS EXTENDED META DATA

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ABSTRACT

while this statement augmented reality is extended meta data is not entirely accurate it touches on the key aspect of how augmented work . Augmented overlay digital information on to the real world and this information can be seen as warm of extended meta data. However augmented reality and encompass more than just meta data it is also include interactive element and dynamic content.

Augmented experience can be interactive allowing use to manipulate digital object or indirect with augmented environment. But metadata is that the about data in the context of augmented reality could include the information about the digital component. itself such as source creation data associated keyword.

KEY WORDS: AR, VR, META DATA.

INTRODUCTION

Augmented reality rely on meta data to display the correct digital content in the correct location and Oriental with the real world.

The meta data helps augmented system understand how to positioning and render the digital element is relation to the user environment.

However augmented. reality also including other type of data. Such as sensor data from the device camera, gyroscope etc… and users input which are not strictly meta data but are crucial for the augmented reality experience.

while augmented reality meta data to function is not only solely defined by it. Augmented reality broad concept that includes presentation and instructions which is digital concept overlaid and the real world. which is more than just extended meta data.

AUGMENTED REALITY

It is integrated digital information with the user environment in the real time on like virtual reality. Which create totally artificial environment. Augmented Reality is user experience real word environment with perceptual information overlaid on top of it.

Augmented reality used variety user from associating the decision making process to entertainment. Augmented reality change natural environment in some way or to provide additional information to user .

The augmented reality manages to blended digital and 3D components with an individual perception of the real world. Augmented reality the visual elements sound other sensory information to the user through your device like as smart phone. Glasses or headset.

The information overlaid on to the Dence to creative interweaves and immersion experience where the digital information data user perception of physical world. The overlaid information can be added to be environment or mask part of the natural environment.

METADATA

Simply called as data about data is used to organize information manage information and understanding information was found in different contexts including digital file library website and data bases.

Meta data include wide range of information depends on the content which they are used let it consider in an template in the real world in digital photography context metadata detail like time of the photos the date of photos was taken coordination of GPS.

It's indicate when that photo was taken and even the data information about the photo grapher in document context meta data include the detail like author of the document. Title of the document and key word of document.

TYPES OF METADATA

PRESENTATION META DATA

Metadata into the information about the format of file. Migration stories. Schema of the data. And presentation action for maintaining the data accessibility.it support activity related to the digital presentation like migration of the and risk management.

DESCRIPTIVE METADATA

This augmented reality rely on meta data to display the correct digital content in the correct location and Oriental with the real world.

The meta data helps augmented system understand how to positioning and render the digital element is relation to the user environment.

However augmented reality also including other type of data. Such as sensor data from the device camera gyroscope etc. and users input which are not strictly meta data but are crucial for the augmented reality experience. A data describe about the detail information of the context and the characteristics of particular piece of the data.

TECHNICAL METADATA

This meta data tell about the format of file size . color of the space method of comparison software used to create and manipulation data technical meta data that are can be included the example file format .the data containing the setting of camera and other technical information.

STRUCTURE OF THE META DATA

It Provide information about the organization about the arrangement and relationship with the digital assets to understand internal structure and hierarchy command.

ADMINISTRATION METADATA

It is nothing but given information about the management the information governance of the digital about with its life cycle.

RELATION BETWEEN META DATA AND AUGMENTED REALITY

Meta data crucial role of augmented reality by providing context information and enhance use expend and efficient content retrieval. It is digital content overlaid and to the real world in augmented reality application including detail like location objects characteristics and related information verified augmented reality expense more related to the instructions..

CONTEXTUALITIES

SPECIAL CONTEXT

Metadata can define the location creation and dimension of the virtual objects in the real world allowing then the correctly placed and rename entered as the user now.

OBJECTIVE PROPERTIES

Information about virtual object such as the 3D model texture animation and enter sound enabling reaction and intuition expense.

USER CONTEXT

Meta data control used performance historical data and even real world physiological data allowing augmented reality applied to adaptive their virtual context to individual need and personal expends

METADATA ENABLES

INTRO OPERABILITY AND REUSABILITY

STANDARDIZED FORMAT

Augmented reality context and data can be shared and reused across a different augmented reality application and platform providing intro operability.

EXTENSIBLE STRUCTURE

This structure allowing for the adder of the new contextual information and functionality augmented real technology involves ensuring long term Relevance and adaptability.

AUGMENTED REALITY FEATURE

OBJECT RECOGNITION

It is used to identify and track real world object entering augmented reality application to overlay information or virtual content of top of know.

SPECIALTY AWARENESS APPLICATION

Augmented reality expand that are across of the user sounding allowing for creation of ammunition and context awar application in various domains.

INTERACTIVE EXPERIENCE

Metadata are define the between of virtual object allowing the to response to user instruction operation non engaging and dynamic augmented reality experience.

The metal data act as back bone of augmented reality application providing the becoming information and contexts to create meaningful engaging user experience.

It allow for the seamless integration of virtual contexts with real world enabling wide range of application. Across various identities.

FOCUS ON

AUGMENTED AND METADATA

Augmented reality are closely related to the meta data as augmented application relay on meta data to overlay digital information on to the real world meta data provide the contexts and instruction for low virtual objects should appear and below in the augmented reality environment.

Augmented reality enter the real world by super imposing computer generator images sounds are other sensing information to the various user of physical environment.

METADATA IN AUGMENTED REALITY

Meta data is essentially data about data in the contexts of augmented reality it provide the necessary information to render and instruct . with the virtual objects

RELATIONSHIP

Augmented Reality application rely on meta data to function correctly and prove a seamless user experience.

Meta data enable augmented reality to create a belie and instructive experience by providing context for virtual objects .

The quality and among of the data directly impact the readiness and usability of the augmented reality application.

Meta data is the foundation upon when augmented reality experience are built it provide the instructs and contextulations information that allow virtual object to be integrated and instruct the real world.

Augmented reality architecture entered in the real world environment with digital information often by be the overlay 3D model on to the physical space. this allow architecture and client to the virtual design and user instruction with building design and construction site

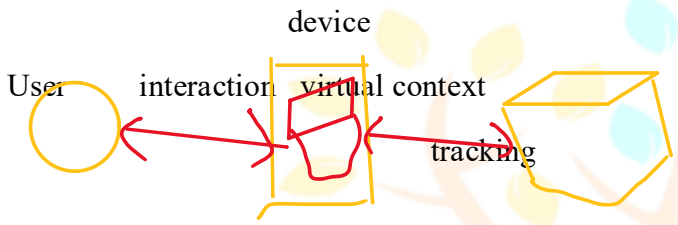
KEY COMPONENT ROLE OF AR ARCHITECTURE

User: Individual interact role into augmented reality application

Device: The hard ware is the display interact with augmented reality

Virtual: 3Dmodel image ,text, or others context digital image integrated to supper imposed on to the real world

Tracking: The process of determining position and orientation of user demo in the real-world.



CONCLUSION

The component basically passes user make possible creation of Augmented reality model. tracking is sort algorithm which help to determining to device where to place orientation the 3D model in real world environment .

The last component augmented reality architecture is real world entity can be tree, book, fruits components are any thing with visible in screen AR application does not change the position real life entity .it only integrated with digital information with those entities.

It is process between device and user .the word itself comes of it is meaning some action performs by any one entity as result in the creation or some action performed by other entity .

Social media plat forms like snapshot, Instagram, face book, a are how using AR technology to introduce new features application and to increase user interaction with their app.

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