



WEBINAR

on

Augmented Reality, Virtual Reality & Natural language processing

Date: 1st June 2020

Resource Person:

Mr. Shashi Bhusan Maharana,

Asst. Prof. Dept. CSE

Centurion University of Technology and Management

No. of Students and/or Faculty Participated: 164

About the session;

There are many applications for natural language processing, including business applications. Natural language processing (NLP) is a set of artificial intelligence techniques that enable computers to recognize and understand human language. It helps make computers more easily accessible for humans. Natural language processing uses computer science and computational linguistics to bridge the gap between human communication and computer comprehension. It does this by analyzing large amounts of textual data rapidly and understanding the meaning behind the command. It enables computers to comprehend nuanced human concepts such as intent, sentiment, and emotion. It is similar to cognitive computing in that it aims to create more natural interactions between computers and humans

Objective

- To understand the uses of NLP and its uses in applications
- To help computers communicate with humans in their own language and scale other language-related tasks.
- To read, understand, and decode human words in a valuable manner. Most of the NLP techniques depend on machine learning to obtain meaning from human languages.

Outcome: The session broadens the knowledge of the faculties and students on Natural language processing, Augmented Reality, and Virtual Reality and their uses in the application. One such example discussed in the session was about the Writing tools, including Grammarly, WhiteSmoke, and ProWritingAid, which rely on the use of NLP to

correct grammatical and spelling errors. Grammarly primarily focuses on a narrow application of artificial intelligence NLP for grammar assistance.

Besides grammatical assistance, these tools check the clarity of the text and suggest better synonyms. With these tools, you are sure to improve your texts' readability and be able to convey your message appropriately. Grammar checkers have continued to introduce new features, and a tool like Grammarly allows you also to perform a plagiarism check.

The Era of Big Data
Structured and Unstructured!
Facebook, Twitter, Instagram

The Human Language
6500 LANGUAGES

The infographic features a central globe surrounded by various national flags. To the right, a circular chart shows a comparison between 'Unstructured' (blue) and 'Structured' (orange) data, with 'Unstructured' being the larger portion.

Output
You: hi
Bot: Hello, How can I help you

```
of intent with softmax  
x[0]), activation='tanh')  
  
softmax))  
  
with keras.callbacks.GradientDescentDescent as gdd:  
    model.compile(optimizer='adam',  
                  loss='categorical_crossentropy',  
                  metrics=['accuracy'])  
  
    model.fit(train_x, train_y, epochs=200, batch_size=6, verbose=1)
```

what
Send

```
In [123]: from nltk.corpus import  
stop_words = set(stopwords.  
words(''))  
for i in tokens:  
    word = tokens[i].lower()  
    if word not in stop_words:  
        words.append(word)
```

Choose
Language: [dropdown]
[button]
[button]



WEBINAR ON

Dt. 01-06-2020

AR, VR & NPL

Resource Person

Mr. Sashi Bhushan Maharana,

Assistant Professor & Expert in Android App Development

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centurion university of technology and management
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PARTICIPANT LIST:

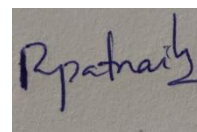
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