

P.E.S. University
Dept. of Computer Applications
Session: Jan - May 2020



VI Semester
Project Work – UE17MC652
Synopsis

Title: Context Analyzer

Tools and Technology:

- **Hardware Requirements**

Hardware	Specification
Processor	AMD Ryzen 5 1600x or above
SSD	5 GB
RAM	16 GB
GPU	Nvidia GeForce GTX 1050ti or above

- **Software Requirements**

Hardware	Specification
Frontend	HTML, CSS, Handlebars.js
Backend	Node.js
Language	Javascript, Python 3
IDE / Text Editor	Jupyter Notebook, VS Code

Abstract: Context Analyzer is a text classification application used to classify text into genres like Sports, Business, Technology, Politics, etc. It provides APIs for text classification. Input can be a pdf, txt document or a piece of text. The trained model is then used to sort the text into appropriate classes. The sentiment analysis API can be used to analyze tweets, reviews, and categorize them into positive, negative, neutral.

Submitted by: Harsha K Y

SRN	Name	Student Signature
PES1201801839	Harsha K Y	

Internal Guide	Guide Signature
Mr. Tamal Dey, Assistant Professor, Dept. Of Computer Applications, PES University	

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Project Progress Diary

Name of the College: PES University,
100 ft. Ring Road, BSK Stage 3,
Bangalore – 560085

Title of Project: Context Analyzer

Place of Work: PES University,
100 ft. Ring Road, BSK Stage 3,
Bangalore – 560085

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WEEKLY REPORT

Week No.: 01	
From: 27/01/2020	To: 31/01/2020
<p style="text-align: center;">Details of Work Done</p> <ol style="list-style-type: none">1. Problem formulation2. Decided the title for the project3. Literature survey on the outline of methodologies to be used4. Decided the tools and technologies required for the project5. Decided the modules of the project6. Thought about the application in the real world7. Prepared PPT for title presentation	
<p>.....</p> <p>Signature of Internal Guide with Date</p>	<p>.....</p> <p>Signature of Chairperson with Date</p>

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WEEKLY REPORT

Week No.: 02	
From: 03/02/2020 To: 07/02/2020	
<p style="text-align: center;">Details of Work Done</p> <ol style="list-style-type: none">1. Downloaded datasets2. Setting up work environment – download and install packages3. Setup basic folder structure4. Started with pre-processing5. Implementing NLTK, and TF-IDF	
<p>..... Signature of Internal Guide with Date</p>	<p>..... Signature of Chairperson with Date</p>