

A.

CSE3024- Web Mining

Digital Assignment – II

Research Article Submission (20 Marks)

<Project Title>

By

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B.Tech CSE with Specialization

Submitted to

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VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

January 2023



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School of Computing Science and Engineering

VIT Chennai

Vandalur - Kelambakkam Road, Chennai - 600 127

WINTER SEM 22-23

Worklet details

Programme	B.Tech with Specialization	
Course Name / Code		
Slot		
Faculty Name		
J Component Title		
Team Members Name Reg. No		

Team Members(s) Contributions – Tentatively planned for implementation:

<i>Worklet Tasks</i>	<i>Contributor's Names</i>
Database connection and integration using Pymongo	
Preprocessing	
Model building	
Visualization	
Technical Report writing	
Presentation preparation	

Paper Title*

(minimum 7-12 pages)

line 1: 1st Given Name Surname
line 2: *dept. name of organization*
 (of Affiliation)
line 3: *name of organization*
 (of Affiliation)
line 4: City, Country
line 5: email address or ORCID

line 1: 2nd Given Name Surname
line 2: *dept. name of organization*
 (of Affiliation)
line 3: *name of organization*
 (of Affiliation)
line 4: City, Country
line 5: email address or ORCID

line 1: 3rd Given Name Surname
line 2: *dept. name of organization*
 (of Affiliation)
line 3: *name of organization*
 (of Affiliation)
line 4: City, Country
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Abstract—This electronic document is a “live” template and already defines the components of your paper [title, text, heads, etc.] in its style sheet. ***CRITICAL: Do Not Use Symbols, Special Characters, Footnotes, or Math in Paper Title or Abstract.** (*Abstract*)

Keywords—*component, formatting, style, styling, insert* (key words)

II. INTRODUCTION

This template, modified in MS Word 2007 and saved as a “Word 97-2003 Document” for the PC, provides authors with most of the formatting specifications needed for preparing electronic versions of their papers. All standard paper components have been specified for three reasons: (1) ease of use when formatting individual papers, (2) automatic compliance to electronic requirements that facilitate the concurrent or later production of electronic products, and (3) conformity of style throughout a conference proceedings. Margins, column widths, line spacing, and type styles are built-in; examples of the type styles are provided throughout this document and are identified in italic type, within parentheses, following the example. Some components, such as multi-leveled equations, graphics, and tables are not prescribed, although the various table text styles are provided. The formatter will need to create these components, incorporating the applicable criteria that follow. This template, modified in MS Word 2007 and saved as a “Word 97-2003 Document” for the PC, provides authors with most of the formatting specifications needed for preparing electronic versions of their papers. All standard paper components have been specified for three reasons: (1) ease of use when formatting individual papers, (2) automatic compliance to electronic requirements that facilitate the concurrent or later production of electronic products, and (3) conformity of style throughout a conference proceedings. Margins, column widths, line spacing, and type styles are built-in; examples of the type styles are provided throughout this document and are identified in italic type, within parentheses, following the example. Some components, such as multi-leveled equations, graphics, and tables are not prescribed, although the various table text styles are provided. The formatter will need to create these components, incorporating the applicable criteria that follow.

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III. LITERATURE SURVEY

**** Minimum 15 Papers should be included**

A. *Selecting a Template (Heading 2)*

First, confirm that you have the correct template for your paper size. This template has been tailored for output on the A4 paper size. If you are using US letter-sized paper, please close this file and download the Microsoft Word, Letter file.

B. *Maintaining the Integrity of the Specifications*

The template is used to format your paper and style the text. All margins, column widths, line spaces, and text fonts are prescribed; please do not alter them. You may note peculiarities. For example, the head margin in this template measures proportionately more than is customary. This measurement and others are deliberate, using specifications that anticipate your paper as one part of the entire proceedings, and not as an independent document. Please do not revise any of the current designations.

IV. PROPOSED MODEL

Before you begin to format your paper, first write and save the content as a separate text file. Complete all content and organizational editing before formatting. Please note sections A-D below for more information on proofreading,

spelling and grammar. Keep your text and graphic files separate until after the text has been formatted and styled. Do not use hard tabs, and limit use of hard returns to only one return at the end of a paragraph. Do not add any kind of pagination anywhere in the paper. Do not number text heads-the template will do that for you.

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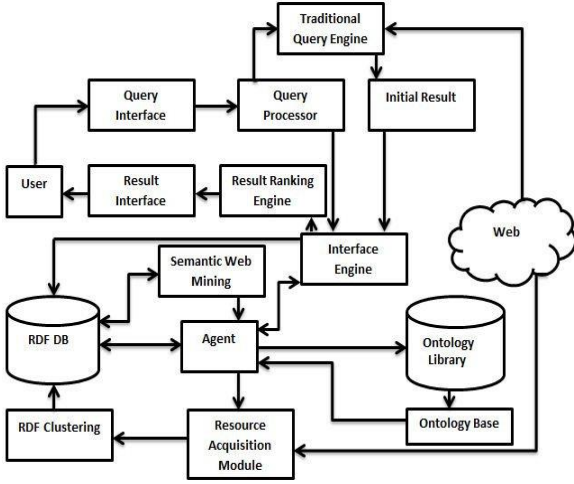


Fig. 1. Example of a figure caption. (figure caption)

A. Equations

The equations are an exception to the prescribed specifications of this template. Punctuate equations with commas or periods when they are part of a sentence, as in:

$$a + b = \gamma \quad (1)$$

Note that the equation is centered using a center tab stop. Be sure that the symbols in your equation have been defined before or immediately following the equation. Use “(1)”, not “Eq. (1)” or “equation (1)”, except at the beginning of a sentence: “Equation (1) is . . .”

V. ALGORITHMS INVOLVED / PSUEDOCODE

After the text edit has been completed, the paper is ready for the template.

Algorithm 1 Opinion mining

Input: Particles and corresponding POS, $\Phi = (ptcl, pos)$
Output: Frequent features and sentiment polarities, $\Theta = (g, s)$

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1: Initialize  $\Theta = \emptyset$ ,  $\psi = \emptyset$ ,  $\gamma = \emptyset$ ,  $\tau = \emptyset$ , threshold, frequentFeatureValue, seedList
2: for  $i = 1$  to  $n$  do
3:   if  $ptcl_i$  is a noun or noun phrase then
4:     adding  $ptcl_i$  to  $\psi$ 
5: for  $i = 1$  to  $m$  do
6:    $frequentFeatureValue = calculateFrequentFeature(\psi_i)$ 
7:   if  $frequentFeatureValue \geq threshold$  then
8:      $\gamma = associationMining(\psi_i)$ 
9:      $\tau = matchWordNet(\gamma)$ 
10:    if  $\tau$  is synonym or antonym in seedList then
11:       $polarity = calculatePolarity(\tau)$ 
12:      adding  $\tau$  and polarity to seedList
13:      adding  $(\psi_i, polarity)$  to  $\Theta$ 
14: return  $\Theta$ 

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A. Authors and Affiliations

The template is designed for, but not limited to, six authors. A minimum of one author is required for all conference articles. Author names should be listed starting from left to right and then moving down to the next line. This is the author sequence that will be used in future citations and by indexing services. Names should not be listed in columns nor group by affiliation. Please keep your affiliations as succinct as possible (for example, do not differentiate among departments of the same organization).

VI. RESULTS AND DISCUSSIONS

****Include graphs / tables/ performance of your algorithms**

A. Identify the Headings

Headings, or heads, are organizational devices that guide the reader through your paper. There are two types: component heads and text heads. Text heads organize the topics on a relational, hierarchical basis. For example, the paper title is the primary text head because all subsequent material relates and elaborates on this one topic. If there are two or more sub-topics, the next level head (uppercase Roman numerals) should be used and, conversely, if there are not at least two sub-topics, then no subheads should be introduced. Styles named “Heading 1”, “Heading 2”, “Heading 3”, and “Heading 4” are prescribed.

a) Insert figures and tables after they are cited in the text. Use the abbreviation “Fig. 1”, even at the beginning of a sentence.

TABLE I. TABLE TYPE STYLES

Table Head	Table Column Head		
	Table column subhead	Subhead	Subhead
copy	More table copy ^a		

^a. Sample of a Table footnote. (Table footnote)

VII. CONCLUSION

Place figures and tables at the top and bottom of columns. Avoid placing them in the middle of columns. Large figures and tables may span across both columns. Figure captions should be below the figures; table heads should appear above the tables.

REFERENCES

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- [2] J. Clerk Maxwell, *A Treatise on Electricity and Magnetism*, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.
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- [4] K. Elissa, “Title of paper if known,” unpublished.
- [5] R. Nicole, “Title of paper with only first word capitalized,” *J. Name Stand. Abbrev.*, in press.
- [6] Y. Yoroazu, M. Hirano, K. Oka, and Y. Tagawa, “Electron spectroscopy studies on magneto-optical media and plastic substrate

interface,” IEEE Transl. J. Magn. Japan, vol. 2, pp. 740–741, August 1987 [Digests 9th Annual Conf. Magnetism Japan, p. 301, 1982].

- [7] M. Young, The Technical Writer’s Handbook. Mill Valley, CA: University Science, 1989.
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- [14] M. Young, The Technical Writer’s Handbook. Mill Valley, CA: University Science, 1989.
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- [16] J. Clerk Maxwell, A Treatise on Electricity and Magnetism, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.
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