The human mind forms associations almost instantaneously, and "mapping" allows capturing these ideas quicker than expressing them using only words or phrases., Mind mapping is a popular brainstorming tool and thinking technique of visually arranging ideas and their interconnections.,

The M2Gen version only supports single-layer mind map and does not produce a hierarchy (multi-level), and we believe that we should solve this problem in order for our model to produce mind maps whose efficiency is higher than that of the mind maps produced by M2Gen.

A mind map is a diagram used to represent words, ideas ,tasks, or other items linked to and arranged radially around a central keyword.,

Therefore, automatically generating mind maps saves much time and effort and serves better and quicker various applications .,

Manually constructing mind maps requires thorough reading and good understanding the text which takes much time and effort.,

A mind map is a diagram used to represent words , ideas, or other items linked to and arranged around a central keyword or idea.,

We provide Automatically generating mind maps out of pure text and that requires many stages of text processing.,

The accuracy of the mind maps produce by the model may be low in accuracy com pared to the mind maps that humans produce for the same articles or reports

In addition to that not all people are creative enough to draw elegant and expressive mind maps.,

This make the process easier by generating mind map from text (here is Indonesian text) and providing mind map editor to manipulate the object and relation set. ,

The use of mind map for the determination of teaching materials can be very helpful because the mind map compiled the material with a structured.,

the images assigned to the nodes are not accurately representing them

Generating Mind Map from Indonesian Text using Natural Language Processing ,
Mind maps are used to generate, visualize, structure, and classify ideas, and as an aid in organization, study, project management, problem solving, decision making, and writing.,

In this work, we present a software tool that automatically generates mind maps directly from text using NLP.,

we provide details of the main modules of the tool and the stages used to produce the final mind map.,

This tool provides a prospect to transform many literatures automatically into mind maps.,

Generating mind map from an article using machine learning: Nurrokhim in 2019,

It is a way of representing associated thoughts with symbols rather than with extraneous words.,

The applications that make the mind map is Xmind , FreeMind, Edraw MindMap, and MindMeister. ,

Automated mind map generation on text using NLP(Natural language processing),

Mind map has the elements can be: title, subtitle, and topic sentence.
 ,

mapping applications are numerous: Get Creative, Gather Requirements ,Prior Knowledge, Give An Overview, Create Power-Notes, Outline, Summarize, Consolidate, Storyboard , Project Management ,Organizing ,meetings , planning , note taking, presentation, and above all, in education .,

But the user must read, understand the text well and come up with a design for the mind map himself.,

The concept of M2Gen is to generate the Mind Map object from semantic model taken from a given text.,

It is important to conduct few brainstorming sessions and mind map to identify the known unknowns that can affect the project.,

The idea of the project should be purposeful and its implementation solves an exist problem or facilitates doing work that would have required much effort and time to complete it .,

Generate mind map automatically from articles using Natural language processing(NLP),

Generating Mind-map [GM]:

But this application is manual, because the user manually determines the mind map element,

These softwares help the user in drawing the mind map and have some ready designs and diagrams which can be used.,
The resulted semantic model is then converted into Mind Map figure.,
The example of generated Mind Map figure is shown in Figure 2 .

On the other hand :
this version only supports single layer mind map and does not produce a hierarchical (multilevel),
There are three components needed: semantic net generator, mind map visualization and interaction handler. ,
people constraints are caused by not having enough skill for a project or having skills not related to our project but we distribute tasks that suitable to each one as we can .,
Table 4 Mind Map,
It is now used by millions of people around the world.,
Data is processed to separate sentences into words per word text pre-processing, then done core NLP and part of speech tagger to determine the word type per word in the sentence.,
If we try to add more than one language that the model can deal with, we will face many difficulties, most notably languages that contain many words and there is a difficulty in understanding their grammatical rules, and among these languages of course is the Arabic language, and accordingly we think that we will focus on the English language.

While this can be the case, in software development, having too many skilled people on a project can also cause a people constraint.,
This preparation takes a long time and big energy.,
The Faculty of Computers and Information Sciences | Ain-Shams University Cairo, Egypt. ,
There are three types of words specified, among others, Noun, Verb, and Adjective .]