



**KDI**  **Knowledge and Data Integration**

**Entertainment assistant for JLU  
students**

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## **1 Domain Description**

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## Domain Description

Nowadays, the lives of JLU students are too boring so that they need to find ways to entertain themselves. However, there are so many recreation places, saying, scenic spots, restaurants, cinemas that sometimes it is difficult to decide a Tourist routes due to the complexity of querying data.

Our goals is to build KDG as an integration of knowledge and data required in the process of decision for JLU students. The most important aspects regarding the data is the theme, which means that by stating the theme, like birthday party or music concert, they can detect activities and matching scenic spots closely related with it.

The most challenging part during the process relies in that the theme of data is hard to get and clarify, which is needed to be discussed in the further research.

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## Competency Queries

- Topic search (based on keyword recommendation)
- The top 10 restaurants containing appointed keywords within the specified distance from Jilin University.
- The best route to the hotel (different ways, time, cost)
- Automatically generate Wechat Moments based on your vacation.

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# Standards

Due to the ambiguous of our data, we don't have specific standards.



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# Knowledge Resources

- DBpedia
- The project of tourist events

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# Data Resources

- Meituan
- Zhoubianyou
- Amap
- Baidu Maps

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# Outcomes

The outcomes of our project includes:

- Extended set of standard and terminologies supported with respect to amusement facilities.
- A generic KG and a set of localised KGs defined to support and integrate diverse data on amusement facilities or restaurants around JLU.



**Entertainment assistant for JLU students**