

## Career Guidance Website

**R. Kameshwar Reddy<sup>1</sup>, Dr.K.Kranthi Kumar<sup>2</sup>, Shivani V. Padishalwar<sup>3</sup>, P.Durgeshwar Reddy<sup>4</sup>,  
R.Prathyusha<sup>5</sup>, M.Shiva Sai<sup>6</sup>**

<sup>1</sup>Assistant Professor, Department of Information Technology, Sreenidhi Institute of Science and Technology, Telangana, India

<sup>2</sup>Associate Professor, Department of Information Technology, Sreenidhi Institute of Science and Technology, Telangana, India

<sup>3,4,5,6</sup>B. Tech Student, Department of Information Technology, Sreenidhi Institute of Science and Technology, Telangana, India

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**Abstract** - We have designed an Online Career Guidance system targeting students to solve their problems regarding their career and future. Then as the future of many students or users is in our hands we need a best website with most accurate results. The aim of this project is to make a website that helps users not only to make better choice of their career using our best given suggestion for their better future that suits them but also provide many other details which are essential for future regarding many other options and best educational institutions and also providing counseling to the users who are disturbed and not able to study properly and facing issues by allotting them a personal counselor who can contact them on a call or a video session as per their choice for helping them out personally. We will provide motivational sessions and help them to do better in their life. In this way, the users can select a specific domain on their own within a recommended study field and achieve their goals. We propose a system where we can use data mining tasks and application of more algorithms for best results. Hence, the proposed system enables students to choose best for them.

**Key Words:** Data Mining, Decision Tree, Counselling, Colleges, Suggestions.

### 1. INTRODUCTION

Many students are facing many problems in taking decisions about future and choosing their career so proper guidance is essential for every student. Choosing of career is the most important decision to be taken in life. As the future of many students or users is in the hands of the one suggesting them then the best and most accurate results are essential. We have many existing Career Guidance Systems at present. Few existing systems are quite less appropriate as they use old probability techniques and few systems even though they are good they provide suggestions and help only few categories of students or users like may be only primary or higher. Even though we have such systems few people prefer taking guidance from any counselor for helping their children by hiring personal counselor who guide them and motivate them to study well and they may charge some money. Why people still prefer that? According to my study it is because they have much more knowledge to be shared and good suggestions to help them out of every difficulty in studying. Now, there is a need to propose a system where people can get everything at a single platform.

#### 1.1 Related Work

[1] Col. Dr. D.S. Grewal, Mandi Gobindgarh Kamaljit Kaur published "Developing an Intelligent recommendation system for course selection by students for graduate courses". This is recommender system for college where clustering technique was used.

[2] Mumtaz Shaikh Gulab, Dhanshri Sapkale, Ashwini Sawant, Vishal Patil published "Analysis and prediction of career choice using expert system". This system provides suggestion where answers of users are compared with predefined data in the database.

[3] Vishal Bende, Prachi Erande, Priyanka Jore, Ankita Bhor, Ms.Dumbre T.M. published "Online career guidance system". They recommend a particular course with few colleges providing those courses using data mining.

[4] Nikita Gorad, Ishani Zalte, Aishwarya Nandi, Deepali Nayak published ". Career Counselling Using Data Mining". They just provide guidance what to opt in the future using clustering technique.

### 1.2 Disadvantages in Earlier Systems

In the earlier systems few systems were just providing a particular field to be opted where few recommended colleges and used unsupervised techniques. They are not providing any more information about other fields other than the suggested field. They are not providing services in the case where users are still struck on few issues.

### 2. PROPOSED SYSTEM

This Career Guidance Website is developed for the users which uses data mining to process the data and give best suggestion possible to every user. We are using the data mining process to extract the knowledge or we can say valid information from the data submitted by the user and then performing decision tree algorithm to retrieve best ever results possible.

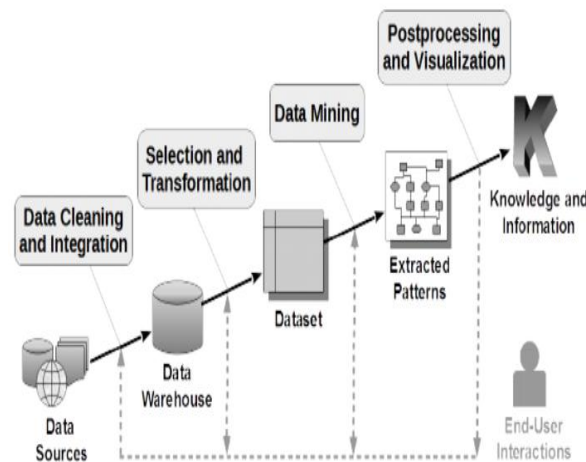


Fig -1: Data mining process carried out to get knowledge from data submitted by user.

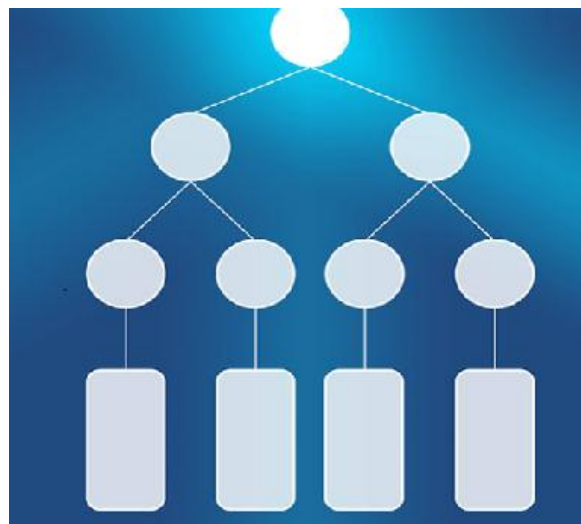
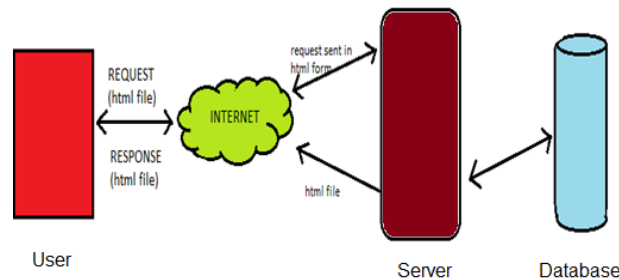


Fig -2: Sample of Decision Tree where process is carried out to get best suggestion as output to every user.

Not only suggestions for the future of user is provided here but also all other possible fields he can opt for is provided. Student can know about best colleges and universities in the field he opted. Every information regarding fields and educational systems and also qualifications required to become scholar in a particular field will be provided on single platform. There is no need to go to many other platforms to know about any field in detailed manner. Even if few users have their goals but because of some issues they might not be able to go ahead and learn properly and need proper guidance. To help such users who need motivation and personal guidance we will be allotting counselors online with whom they can contact personally on a call or can have a video session. These counselors will provide counselling to the users. We will try out the best way possible to motivate them and help them to learn and concentrate well for better future. Any student irrespective of his/her age can access this site to know any information regarding their future studies. The only thing users have to do is to register themselves and take a small test then we

will help them to choose their career and guide them. We give them the best suggestion and help them to aim high and try to show them a way to bright future.



**Fig -3:** Proposed Architecture of the new system

The test/quiz is just general and basic aptitude test which can be solved by user to let us know them in a better way and once the user submits the quiz he can get the best suggestion possible for him for his/her better future and also complete support from our team for better learning and future. Hence, the proposed system enables students to choose best for them.

### 3. CONCLUSION

Our system provides better services than earlier systems. This could be the easiest and best platform for every user. This system gives best suggestion and help users to aim high and try to show them a way to bright future. We motivate and help them out of any issues regarding their future and learning. It is not at all possible to develop a perfect system that will fulfill all the requirements of all the users in a single go. User requirements are always changing as the system is being used by them. Based on the future security issues which may encounter further our system can be improved or changed using new emerging technologies and a better system might be developed.

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