11. ENHANCING QUALITY OF EDUCATION THROUGH EXTRACTING ONLINE INTERVIEWS OF DOMAIN KNOWLEDGE

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Abstract

Computer-based methods are increasingly used to improve the quality of educational services. Education quality not only means good teaching and learning, using new technologies for education improvement, doing experiments and carrying out real case studies etc. but it should be result oriented in terms of getting absorbed professionally. After completing education getting a good job is very important for candidate. For this good knowledge, percentage and good practice of interview is required. In this paper we have proposed knowledge extraction way to gather online interview of particular subject and maintain it so that students can refer it whenever required. This can be managed manually and through computer also. In this paper software is designed and developed for the extracting interviews of experts of particular knowledge. Main parameters like communication skills, domain knowledge etc are identified and embedded in software. At present this software can be used for engineering students of various branches. Also, a case study was done for B.E. students and was found very useful as it increases confidence level of students.

1. QUALITY EDUCATION

While almost everyone accepts the goal of developing skill in what have been called the three "R's"—reading, writing, and arithmetic— it often seems impossible to reach agreement on any goal beyond that. A great variety of educational philosophies and approaches offer different models of what should be taught and how best to teach it [5].

In general A Good Education is defined as acquiring skills. There are many different ways to be educated and many subjects that can be studied. A good education is one that teaches a student to think. This is proven by Edith Hamilton, Malcolm X, and Adrian Rich in their works to define what they believe about learning and its importance to our world. In Edith Hamilton's essay, The Ever-present Past, she described a good education as one that is modeled after the ancient Greek's ideas. She defines being educated as being able to be caught up into a world of thought (752). The Greeks were taught to think. They were cultivated on an individual level so that they knew how to conceive ideas on their own. During the times of the ancient Greeks students were shown how to appreciate poetry, music, arts, and mathematics. They carried their education of thought into their government and their ways of life. The era of the ancient Greeks was laid by the teachings of their schools and therefore helped make them into a notable civilization. Today, Hamilton believes that with

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our set way of teaching we are not encouraging individuals to think. Hamilton believes that we need to challenge our society to shape our educational goals after those of the Greeks. With the problems our world faces we should study how the Greeks triumphed in a savage world and how they were educated to do so. Then maybe we can learn how to prevent the standardization of the minds in our society and avoid repeating the ill-fated history of the ancient Greeks (754). In Malcolm X's, Freedom is Through Learning. He wrote of how he desired to acquire more knowledge. This inner struggle began when he envied his friend's intelligence and when he was unable to express himself eloquently in letters. From that point he began to read everything. Malcolm X started by copying a dictionary to learn all the words he could. From there he never spent fifteen minutes free time without a book. Thus the main ideas were that to be educated a student has to be an individual and be able to think. There are many arguments over what we should study and how we should be taught. There is no wrong or right way to teach certain subjects that need to be studied. As long as the students are taught to think for themselves and have the desire to learn, they will be able to obtain a good education [4].

2. JOB PROCUREMENT AND GOOD EDUCATION

The final aim of any professional like engineering education is getting job, research work etc. In short a student is needed to face people those who poses questions on them. So practice of mock interviews becomes very necessary. Many Colleges arranges such types of mock interviews for final semester students where academic experts, HR experts and industry experts are invited. They take interviews of students. But it is found that at this level students are not well enough prepared and are not able to answer properly. So if they read interviews of some well known persons or can get answers of probable questions then it becomes easy for getting selected in such types of interviews.

Main Parameters for getting success in interview:

- Personal Skill – PS
- Domain Knowledge - DK
- Communication Skill – CS
- Self Confidence- SC
- Tactics –T

Now in the screen of software shown below, a student has to enter inputs like, student ID, his name, class etc. details as it appear in login screen.

This is a prototype of an knowledge extraction software for online interviews. It is developed on the purpose of giving assistance to students of professional courses for training students for interviews to get better job.

Student ID : I00001 Name : Kirti Mishra Class : BE Branch: Instrumentation and Electrical Subject: Power System Area: Power Generation Any Expert Interview: Yes/No Expert Choice: Mr. Murthy	Do you want to view and save this interview ? **VIEW INTERVIEW** yes

Figure 1 : Sample Input screen for student

Question 1: Introduce Yourself

Question 2: Technically question

Question 3: What are your interests?

Question 4: Why do you think you are eligible for this job?

Question 5: In power system, how many ways electricity is generated
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-
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Do you want to take print out?

Figure 2 : Sample Output screen for student

CONCLUSION

By extracting knowledge of expert interviews students can be benefited and trained for interviews which will fetch them good job and placement. By this quality education and goal of professional and technical education is achieved as it provides good trained professional citizens which is required for development of any country.

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