1. Introduction

Career plays the most important role in the lifespan of an individual. Students are experiencing many difficulties in choosing their career. Career planning is important for a successful career and that begins with the RIGHT stream or RIGHT subject combination choice after 10th standard. This stream choice planning becomes the foundation of one’s career as it determines eligibility for the future course. RIGHT stream choice decision is very important as one has made the decision it is very difficult to reverse it as will have to repeat class 11th and class 12th with a new stream. Thus it becomes an important decision as stays for one’s life. Career development is a lifelong process which depends on many factors like background, interests, abilities, values, personality, and circumstances. Career counselling plays a major role in career development as it guides us in order to make career decisions. A Career counsellor role is important when it comes to deciding the stream after class 10th. The Career counsellor judges the aptitude and personality combinations of a child with the help of psychometric tests such as aptitude and personality test which is helpful in taking the right decision regarding the stream after class 10th. Nowadays most of the school has counsellors. The role of the school counsellors varies widely according to the purpose, goal and the requirement of an education system. A counsellor can find out the exact problems of the students and treats them accordingly but as far as career stream choice is concerned students are still facing problems.

Counselling is the activity of the counsellor. A Counsellor is a professional who gives advice and career guidance to the people of the society, especially on personal problems and difficulties. Career counselling and career guidance are the types of counselling which includes professional activities helping people deal with career-related challenges. career exploration, Career change and personal career development. These are the major issues of career counselling. Career counsellors work with experienced professionals contemplating a career change, adolescents seeking to explore career options, Career counselling is also offered in groups and individually, or by means of digital communication. Several approaches are used to systemize the various professional activities related to career counselling and guidance.
There are many career guidance and counselling Centres all over the world. They provide services of guidance and counselling on careers, possibilities, higher studies, chances and nature of courses and institutes. These services are offered either by having telephonic conversations or by fixing up a meeting with the Experts or even with online guidance. Nowadays these services are very common. Online counselling to people about their career are also provided by many such service providers all over the world or conducting a psychometric test to know the person aptitude as well as interests.

Psychometric testing is useful in career counselling as it covers skills, interest, and values of people. Psychometric testing is done by using in-depth psychological profiles to access personalities and intellectual levels. Different test companies use different theoretical approach for testing i.e. psychometric approach, psychodynamic approach, the humanist approach, and the social learning approach. Psychometric testing uses multiple sets of questions relating to personality type.

Stream selection after class 10th is the initial and crucial decision of building a career. Students take the decision with puzzled and ambiguous mind and end up with selecting wrong stream and face worst consequences in the career. The outcomes of the wrong stream choice is noticed when students start hating their subject or quit their subject midway or start feeling frustrated about the wrong decision. Onetime wrong decision becomes the burden throughout one's life when it is taken out of peer pressure or parental pressure or due to lack of knowledge. Hence it is very important for every student to choose the stream carefully for better career prospects in future. If one has to make a career in one particular field, the related subjects should be chosen right from the beginning. For that, one should have awareness about their interest, abilities and skills also able to analyses their strengths and weaknesses. Guidance from experts and experienced people always matters as to get knowledge while choosing the stream. Healthy discussions with parents and seniors will help to choose the right stream. One can take the help of a career counsellor who can guide the suitable subjects and career as per the aptitude combinations and will also help in picking the right subjects and planning for future courses. But it is very difficult for a child to do self-analysis about
their interest, abilities, skills and also reach to the counsellor due to knowledge, resources, money or time. That is why, the researcher decided to develop such system called Web-based Career Stream Assessment System (WCSAS). This system will fulfil the needs of the children regarding their stream selection and reduce the parental stress for their ward's stream selection after class 10th. This system will also be helpful for the school by allotting the RIGHT stream to individuals which will upgrade their school academic performance.

**Need for Research**

At the time of career choice, students need guidelines and suggestions for that they generally choose a stream based on their marks of 10th class not on what they are passionate about. Many students choose a particular stream as it is more appreciated compared to other stream and sometimes parents suggest the stream to the students by comparing with others. In some schools, the stream is allotted on the basis of past academic performance. Science is the choice of many good scorers as it offers the most variety of courses and has the option of shifting to other courses after 12th if the need arises. The not so good scorers are left with no option but to take up the stream allotted to them by the school.

This is definitely not the right way to choose a stream after class 10th because a student’s career depends on the stream they choose. So a question comes to every student mind.

**What stream do I opt for?**

How well a child will do in one subject will be determined by the study habits, teacher, interest, personality and aptitude. The factors that play a major role are interest, personality and aptitude. Different subjects require different aptitude combinations to understand the concept. However, there are various career options and children are confused about the right career choice and need someone to guide. People may feel stress due to career misfits. To avoid such situations career counselling is required to the help of the students and parents but getting access to a good and credible career counsellor remains a big challenge for the students and the parents and everyone
would not be able to reach to the counsellor due to lack of information or resources. Sometimes due to hesitation the child may not give the right answer to the counsellor or sometimes the parents are not able to approach the counsellor due to lack of information, money or time. That is why a career stream assessment system is required that will fulfil the need of the children regarding their stream selection and will reduce the parent’s stress for their ward stream selection after class 10th. Keeping this in mind the Researcher will develop a career stream assessment system that will help the students to take a correct decision regarding their stream especially in the absence of counsellor. The Researcher on the basis of experience, scientific discussions with educationists, parents, counsellors and reviews of literature, has found a requirement of research in this area. It will be desirable to develop the research project entitled "Design and Implementation of web-based Career Stream Assessment System for high school students". The declaration of the suitable stream for class 11th, various career in that stream and also the report about Aptitude, Interest, and Behaviour of the child is the main goal of this system development. The system named web-based Career Stream Assessment System (WCSAS) will be generated on the basis of review of literature, generalized collected information of the academic authority and the counselling team and quantitative research on students’ as well as the analysis of the career options.