iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 9 **Issue:** VII **Month of publication:** July 2021

DOI: https://doi.org/10.22214/ijraset.2021.37013

www.ijraset.com

Call: 08813907089 | E-mail ID: ijraset@gmail.com

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
Volume 9 Issue VII July 2021- Available at www.ijraset.com

Design and Implementation of Career Counselling System

Aashi Gupta[1], Aniket Chaudhary[2], Karanpreet Singh Sandhu[3], Navratna Pratap Singh[4]
[1, 2, 3, 4]*Department of Information Technology, Inderprastha Engineering College, Uttar Pradesh, India*

Abstract: ***Career counselling is a most effective aspect of life, it can make one's career or can break it, which eventually leads to a break in life. With the advent of a Covid-19 pandemic, students are not able to choose their career according to worth so guidance/counselling is most imp. This software allows students, passing from the school, to stay in touch and get personal assistance on choosing their colleges and career with the help of seniors or pass-out students. Using this new system, not only the students would be able to differentiate between the pros and cons of different colleges, but they will also be able to get mentorship in a familiar and localized manner. The application will be helpful, informative, and beneficial for a vast majority of students and has the potential of easing student's lives in diverse ways with the help of their seniors.***
Keywords: Career counselling, Career Guidance, Seniors.

I. INTRODUCTION

Choosing a career is very important aspect of life. The full menu of occupations/careers and lifestyles that the modern world offers most individuals is thus far larger than it was a mere hundred years ago. Every person has to take this important decision in their life, this decision will affect the rest of their life. A career path should be chosen based on passion and intertest in that field not under someone's pressure. There are plenty of career choices to choose from which make some persons confused in choosing their career.

A large part of our life is spent in achieving our career goals, thus it is very important to make sure that correct steps were taken and effective planning was done in the early years of our life. There are very few people who are born with a clear mind and who knows what they want to do and where they see themselves in life ahead. But majority of people in this world are not sure what they want to do in their life and so it in very important to plan out things. Thus, career planning is what gives you a good career to pursue in life and thus living it on their own terms and conditions.

Career counselling helps the clients to be active and to believe in themselves to find a right path for their future and it also helps in boosting the confidence of client. Career counselling with the help of experts help scholars in understanding different career properly.

The career counselling field is in a debut phase in the technical university system and tries to consolidate its statute through diverse actions of marketing and correct informing of students about the purpose and importance of this type of counselling.

Career Guidance Service was born in America and was developing since 1908 by Frank Parson. It includes various activities organized by counsellors for guidance and counselling to help individuals in overcoming their career-related problems. These problems include exploring career options that exist in the world of work that match their interests and character, and doing career planning for all scenarios.

Career guidance services are provided so that individuals are able to make career decisions, overcome doubts about their career that has to be chosen, prevent hasty and unwise career choices, and help them to find matches between interests and talents and career that suit both of these.

A proper career counselling would help the students to understand their core interest areas, aptitudes, and personalities; It also help students to distinguish between their strengths and weaknesses, and most importantly would allow them to explore multi career options before they choose the right career path.

Even though, finding an optimal career is most important, career counselling now provides a broad spectrum of concerns such as mental health issues that restrict career, changes in college environment. One wrong choice of career not only cost a lot of money but also amount to waste of some precious years of their life

A career counsellor assesses the potential and capabilities of the student and further assists them in selecting a suitable course and college for them. Education advisors play an vital role in helping students to discover the best possibilities, be it studying in their home country or abroad while also advising them on the student loan process and related formalities.

©IJRASET: All Rights are Reserved

Career counselling or career guidance process involves individuals (school or college students or professionals) to explore various career options, understanding more about the opportunities, analysing the career prospects and earning potential. The process also includes a career assessment test which evaluates individual's interests, strengths and weaknesses, ability/aptitude, personality traits and capabilities.

This system aims to help students with the help of seniors instead of experts to make a comfortable sessions.

1) Seniors know about the present scenario and about college environment very well.

II. RELATED WORK

The paper [1] explains that the primary goal of career guidance and counselling is to make it possible for students to explore their unlimited options. It is an unquestionable fact that the major service areas of guidance and counselling are, educational guidance and counselling which help students in their choices of career; vocational guidance and counselling which teaches the student to choose and prepare for an occupation with their interests and aptitudes, and personal and social guidance and counselling which teaches the student to behave appropriately with respect to other members of the society.

Paper [2] suggests that the counsellors play important role in order to assist the students to choose a good career, however, the effects or influence of the counsellor's effort on the career choice of students was low but it is most required in today's time.

In the book [3] author describes that career counselling not only helps workers' in career construction, it also helps them to design successful lives and to live purposeful lives – it also explores new theoretical approaches and interventions. It provides guidance on how to advance entrepreneurship and help students to develop critical thinking, curiosity, creativity, collaboration, and communication skills. In this way, the book promotes innovation in career counselling and helps in showing the right path that can help students to 'grow' rather than merely 'survive' in difficult times.

For study [4] a sample of 240 professionals were selected randomly and classified according to their profession. The sample consists of Engineers, Doctors, Chartered Accountants, Managers, Architects, Software Engineers, Interior Decorators, Dress Designers, Teachers and Lawyers. All selected persons were interviewed and tested for the effects of career counselling with the help of a self-prepared assessment. Collected data were tabulated, converted into percentages and comparatively analyzed which results in a lack of proper guidance to them at their early stage of choosing a career.

A two-year project [5] has yielded awareness of the collaboration between schools and work organisations. They present the results of desk research on 17 performed studies, four case studies and 34 interviews. Results show that collaboration between schools and organizations take place because of divided responsibilities rather than shared responsibilities.

Article [6] includes the issue of quality and quality assurance in career guidance, though there is no clear agreed international understanding of what quality career guidance should look like. By some reviews, they identify six main areas which may be quality assured and provides a new theory of approaches to assuring quality. They highlight the need for caution so that the pursuit of quality does not underestimate the goals it seeks to achieve.

The paper [7] focuses on the significance of career guidance and counselling, the consequence of career guidance and student counselling, purposes of counselling and guidance, characteristics of career counselling and influential factors in career guidance and student counselling.

Article [8] shows the case study that examines secondary science teachers' responses to a professional development program designed to assist in the transformation of inquiry belief structures and inquiry instructional practices. It provides the perception of teachers' belief structures and classroom structure related to inquiry instruction.

Paper [9] shows the working and implementation of online career counselling websites. These websites include data on different career options and colleges which the students can select. On some websites, different types of tests are available for students so that they can know about their talents.

Article [10] is focusing on a case study of designing an online platform for counselling. In this study, three steps are done. In the first part, the Website was designed. In the second part, with the help of expert opinion, websites efficiency was checked. In the last part, the students were assigned counselling depending on various factors. As a result, it shows that face to face or online meetings are much better than control groups.

The paper [11] aims to display the results of the need for career counselling among students from Politehnica University of Bucharest. They chose a comparative approach for understanding the needs of counselling for students from study years I, II and III and they find that career counselling differs from one study year to the other.

©IJRASET: All Rights are Reserved

In Article [12] investigation of the effects of student career choice guidance on identity, development is done. In this, they compared the levels of identity development before and after the guidance. As a result, it shows that students showed a significant increase in commitment strength in the career and present domains.

The journal [13] discusses the career guidance and counselling services that are very important in an effort to help people who lost their job due to pandemic covid-19 as well as the workers in general. This problem can be solved through career guidance as a treatment to help individuals to overcome their career-related problems. Through providing career guidance services as a remedy students will gather self-motivation to rise from losses and get a new career that matches their interests and finds another source of income for their living.

Paper [14] represents the data from a large Indian survey to describe the differential impact of socio-economic status on career preparation self-efficacy, the perception of career development barriers and career beliefs. The psycho-social factors that are intertwined with the perpetuation of social exclusion are delineated and the role that career counselling could play to empower the socially excluded to engage with life chances is discussed.

The journal [15] describes the practical tools to use with a Chaos theory of career approaches such as assessments, card sorts and counselling strategies. The impact of this approach is discussed in theory. It is concluded that this approach provides the most coherent and comprehensive account behaviour for a career development that can incorporate both modernist and postmodernist perspectives.

In Article [16] the study is done which assess the effects of family income and career guidance and counselling experiences on changes in career maturity during the transition from high school to college. This study used data from Youth Panel 2007 collected by Korea Employment Information Service. They include 456 adolescents who were high school students in the first and third waves of the survey and college students in the fifth wave of the survey. The results suggested that family income was a significant factor affecting the career maturity of scholars. The experience of career guidance and counselling while in high school had a positive impact on the career maturity of students even after entering college.

III. METHODOLOGY

In our proposed system, as the internet continues to grow in popularity, immense new opportunities arise, when it comes to immediate access to expert advice and information from a career counsellor.

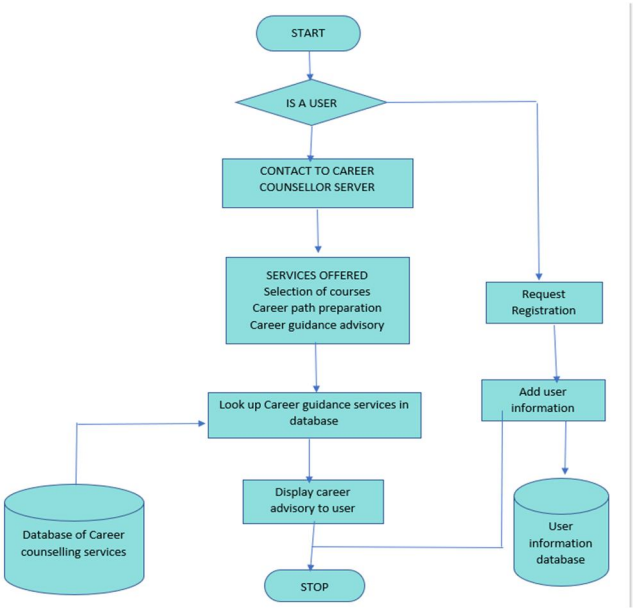


Fig 1. Data Flow Diagram for working of website

The process (Fig. 1) for a user is that they need to schedule a call describing their query. It generates a request and the data is stored in a database. Accordingly, a counsellor will be provided and they offer the services according to query and thus a solution will be provided to scholars.

©IJRASET: All Rights are Reserved

The process will involve connecting a group of schools and forming an integrated database. The database will serve as an information portal for the next generation of students who will be able to look up where their seniors are studying. Then, at the time of counselling, the seniors will be asked to connect with the juniors and give them ample time and space, for clearing their doubts.

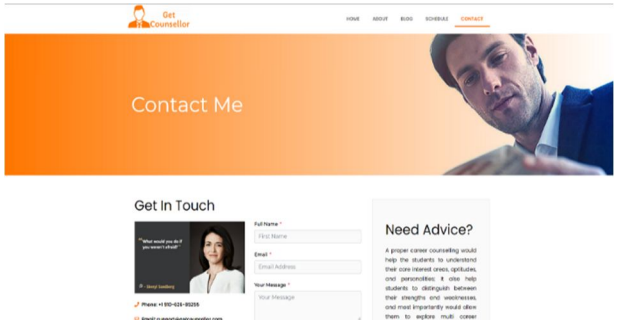


Fig 2. Working of call scheduling.

Fig.2 shows the page for scheduling a call to generate their request for counselling and getting appropriate services.
The uniqueness of our web page is that we are not providing the expertise as counsellors whereas we providing the pass out students as counsellors (fig 3) so that they can easily communicate with new students and can understand their thoughts properly. The process involves a user-friendly interface through which students can easily schedule calls with seniors to clarify their doubts.

Name	Branch	Batch	Mobile No.
Skand Gupta	IT	2019	8759216845
Harshita Pandey	IT	2019	9024586241
Tanya Mishra	IT	2019	8459267034
Diksha Singh	IT	2019	7845962130
Anuj Jaiswal	IT	2020	9584627603
Divya Jain	IT	2020	9562184607
Lalit Bansal	IT	2020	8436921670
Shruti Bajpai	IT	2020	7854926157

Fig 3. Data of few seniors as counsellors.

IV. IMPLEMENTATION AND RESULT

We developed a complete website for online career counselling in which seniors are behaving as a counsellor instead of expertise. In this, we try to make calls between a scholar and a counsellor so that they can interact with and understand each other properly without any misconception.

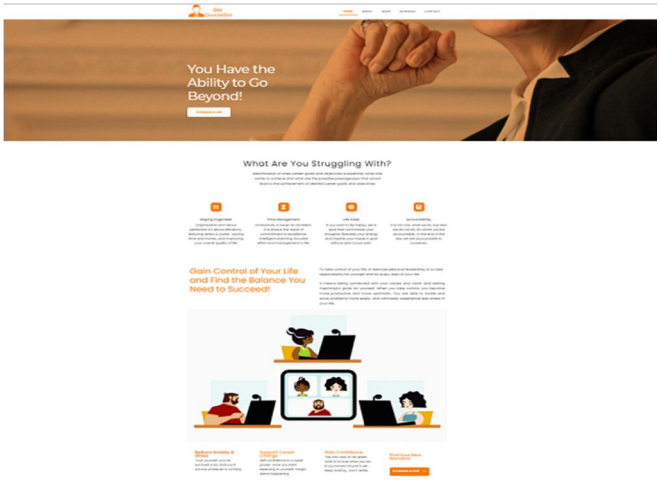


Fig 4. Homepage of website

The homepage of the website(fig.4) includes a motivational description to boost up the mental ability of scholars as they will be already exhausted due to confusion of making a huge decision of their career.

©IJRASET: All Rights are Reserved

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
Volume 9 Issue VII July 2021- Available at www.ijraset.com

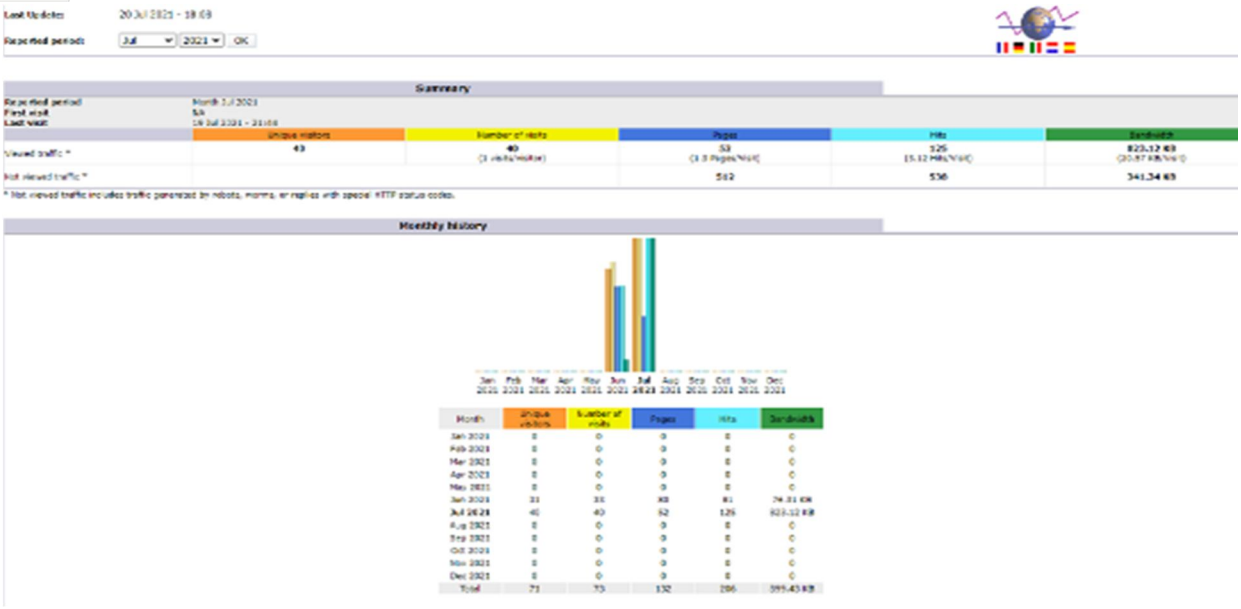


Fig 5. Database of monthly stats

The database includes the information of users in different ways i.e statics(fig.5) and analogue stats(fig.6) for developers so that they can easily look into requests in a mannered way.

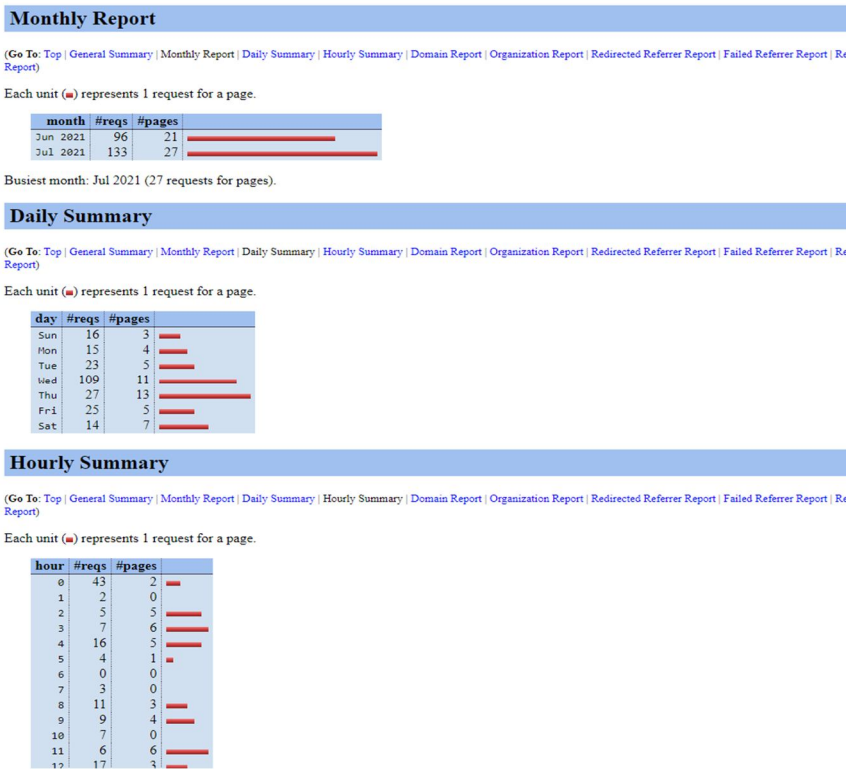


Fig 6. Analog stats

V. CONCLUSION AND FUTURE WORK

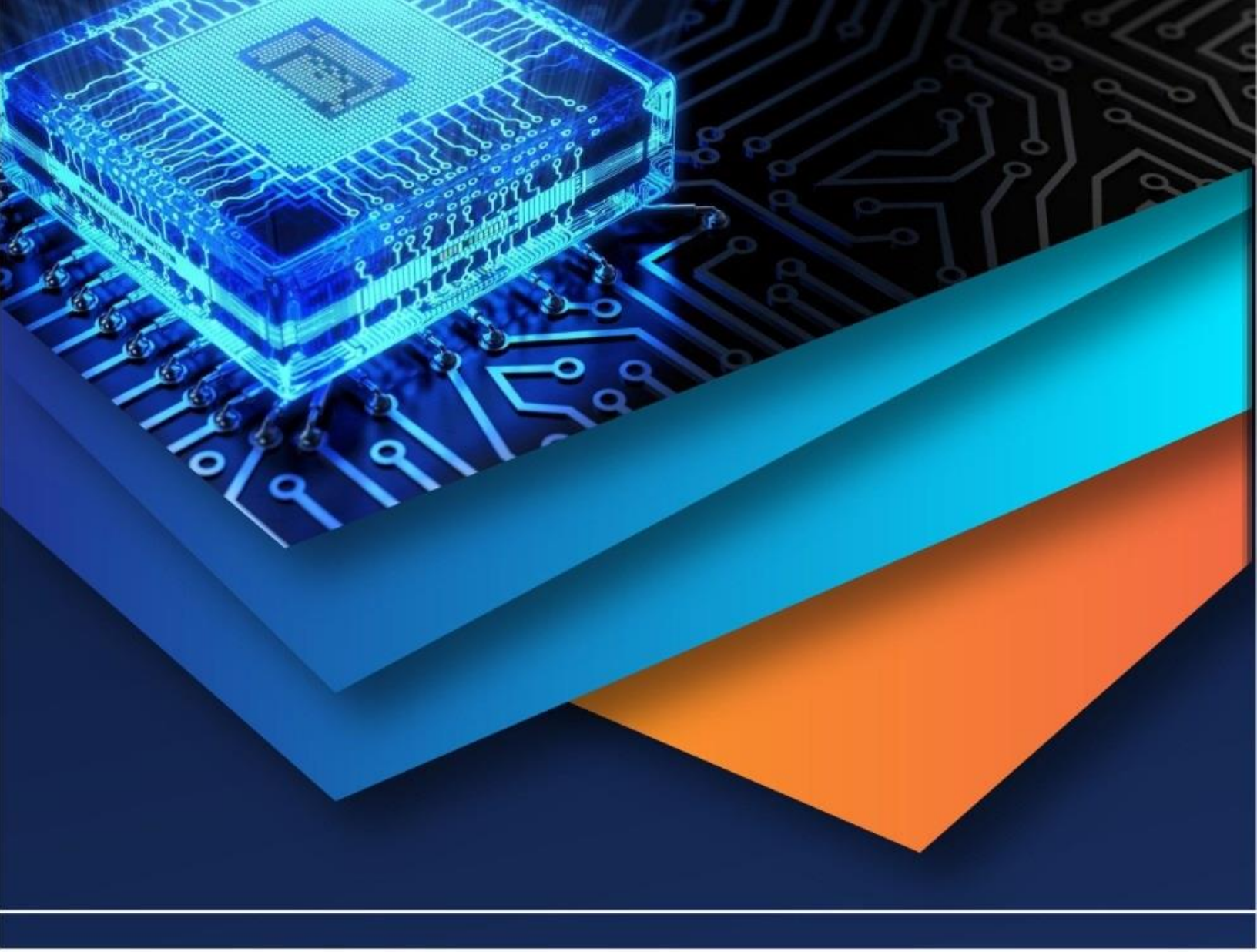
Identification of one's career goals and objectives is essential, what one wants to achieve and what are the possible passageways that would lead to the achievement of desired career goals and objectives. We have created a database of few seniors that can help students in counselling and deciding careers.

©IJRASET: All Rights are Reserved

REFERENCES

[1] Anuradha J. Bakshi , Trends related to Ethics, Technology, Counselling and Careers. Vol.47, No. 3.British Journal Of Guidance And Counselling, 2019.
[2] Isaac Kwofie, The School Counsellor and Student's Career Choice in High School. Vol.6. Winneba. Journal of Education and Practice, 2015.
[3] Jacobus Gideon (Kobus) Maree, Handbook of Innovative Career Counselling. 1st. ed. Switzerland: Springer International Publishing. 2019.
[4] Dr. Paras Jain, Impact of career guidance and counselling on student's career development. Vol 5. India: 2017.
[5] Marinka Kuijpers, Career guidance in collaboration between schools and work organisations. Vol. 47 Issue 4, British Journal Of Guidance And Counselling, 2019.
[6] Tristram Hooley, Ensuring Quality in Career Guidance: A Critical Review. Vol.47 Issue 4, British Journal Of Guidance And Counselling, 2018.
[7] Dr. Radhika Kapur. Career Guidance and Student Counselling. Article From University of Delhi.2018.
[8] Creswell, J. W., Educational Research: Planning, Conducting and Evaluating Quantitative and Qualitative Research.3rd. ed. New Jersey: Pearson Education.,2008.
[9] Crystal D'Mello. Online Career Guidance System, International Journal of Advanced Research in Computer science and Software Engineering; vol 6 Issue 4, Maharashtra, India. 2016.
[10] Simin Hosseinian. Design and development of online career counselling: a tool for better career decision-making. Behaviour & Information technology. Jul 2020.
[11] Sorina Chircu. Career counselling needs for students. Procedia- Social and behavioral sciences: Issue 27, Romania. 2014.
[12] E. Saskia Kunnen. The Effects of Career Choice Guidance on Identity development. Education Research International. Vol 2013.
[13] Dhanang Suwidagdho. The challenge of career guidance and counselling during covid-19 pandemic. E-Journal Vol 7. Issue 117. 2020.
[14] Gideon Arulmani. Career counselling: A mechanism to address the accumulation off Disadvantage. Australian Journal of Career Development. Vol 19(1). Australia. 2010.
[15] Robert GL Pryor. The Chaos Theory of Careers. Australian Journal of Career Development. Vol 23(1). Australia. 2014.
[16] Won, J.Y. Effects of family income and Career Guidance and counselling experience on Adolescents' career maturity. The Journal of Korea Contents associations. Vol 19(2). Korea. 2019.

©IJRASET: All Rights are Reserved



10.22214/IJRASET

45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089 (24*7 Support on Whatsapp)