

## Implementation of Research Scholar Utilizing Web Based References

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**Abstract:** Research is the work that implicates new idea and trying to discover facts happening in diverse organizations. The revolution in web nowadays helps the research scholars' in research preparation, research activity, research oriented skill development and to communicate between the research groups by using different aspects like online journals, web references, research forums and social networks. In this current scenario, most of the research scholars are using web for a better understanding and research outcome. The main purpose of this research work has been carried out to identify and analyze available internet facilities and its impact on research oriented productivity.

**Keywords:** Research, Social Networks and Web References etc.

### I. Introduction

Research is an endless work of the world. Research is a way to identify efficient solution for critical problems, for the growth of the society and country. People do research to gain some knowledge, to provide best solution for society concerns. Evolution in technologies introduces social networks, online forums and free data access. The research scholars are also showing interest in accessing the web to identify their research problem, share and learn domain and technical knowledge. This study has been done to show the improvement in research productivity when practicing network facilities like online journals, web pages, network groups and mobile apps. Research is a way of systematic investigation to describe new fact, explain, predict new solution and control the observed result. Research has two types of methods as inductive and deductive methods. Inductive methods analyze as the identified solution and identify the common principles, samples, or processes underlying predicted phenomenon, deductive methods analysis the test hypothesis principles through prediction. The main thing is we have to gain new sense in research is the heart of the research is not on statistics.

### II. Sample Questionnaire For Research Scholars

The Survey questionnaire is created in view of knowing the eminence and productivity of research scholars under various categories such as personal information, family and financial background, employment details, academic details, resource support from research Institute & Supervisor and Usage of web reference and social networks. The survey was carried out in two ways that is one in person and other using Google forms. The survey is initially carried out for research scholars from nearby colleges indifferent disciplines under Thiruvalluvar University. For prominence data the responses are also collected from VIT using Google forms.

#### 2.1 Sample User Page For Google Forms



The image shows a Google Form titled "Research survey of PhD/M.Phil scholars". The form is from the PG AND RESEARCH DEPARTMENT OF COMPUTER APPLICATIONS, SACRED HEARD COLLEGE(AUTONOMOUS), TIRUPATTUR. It includes a red asterisk indicating required fields. The form has three questions: 1. Enter your name (text input), 2. Enter your Discipline & Year (text input), and 3. Age (in Years) (radio buttons for "Below 25" and "Above 25-27").

## 2.2 Sample Admin Page For Google Forms

The screenshot shows a Google Form titled "Research survey of PhD/M.Phil scholars". The section is "V. Resource Support for Research Scholars". Below the title, it says "Please tick your appropriate details (Select more than one option if applicable)". The question is "1. Does the research program give you access to facilities to research". There are two columns: "Yes" and "No". The facilities listed are: "Your own personal work space", "Computer Facilities", "Internet Facilities", and "Other research Facilities". Each facility has a checkbox under both "Yes" and "No" columns.

	Yes	No
Your own personal work space	<input type="checkbox"/>	<input type="checkbox"/>
Computer Facilities	<input type="checkbox"/>	<input type="checkbox"/>
Internet Facilities	<input type="checkbox"/>	<input type="checkbox"/>
Other research Facilities	<input type="checkbox"/>	<input type="checkbox"/>

## 2.3. Data Collection Steps And Methods

The data collection method is very important to be a survey research. It will be show a step of process in research work. In this work have been several steps to follows how to collect data and analyzing process on data. The data collection is a blueprint or planning schedule.

- Develop the Sample Questionnaire format.
- Decide and choose the two types of questionnaire prepare to collect Google forms and self-administrative questionnaire.
- Decide the specific respondent categories in various colleges of Thiruvalluvar University.
- The sample questionnaire is provides various discipline in research scholars at the academic organization.
- All the respondents give correct response and return to questionnaire in formal order.
- The collect data and overall responses in one thousands of twenty one.
- The data will be enter into excel sheets and convert .csv file format. The csv file format will be uploading in R Language.
- Analyses the one thousand respondent data using R language predict and prepare the result for various research scholars' internet usage status.
- Prepare the research report and derive conclusion.
- To be conclude the research work.

## III. Problem Specification And Methodology

### 3.1. Problem Statement

This present study identifies the impact of usage internet in research scholars are learns techniques tools and searching algorithms This study takes a problem statement on the research scholar's how use of internet and they are effectively utilize network in whether or not.

### 3.2. Methodology To Analyze Research Scholars

This study identifies the impact of the usage of internet, social media networks and how to utilize online forums and to analyze the level of access internet to daily during research work among the research scholars. For the main purpose of this study, one thousand of research scholars (M. Phil and PhD) in Thiruvalluvar University Vellore district are selected as for the study, random sampling method, the data will be collected with the help of the structured survey questionnaire and online Google forms and collect data were find and analyzed and storing used statistical analysis for R language.

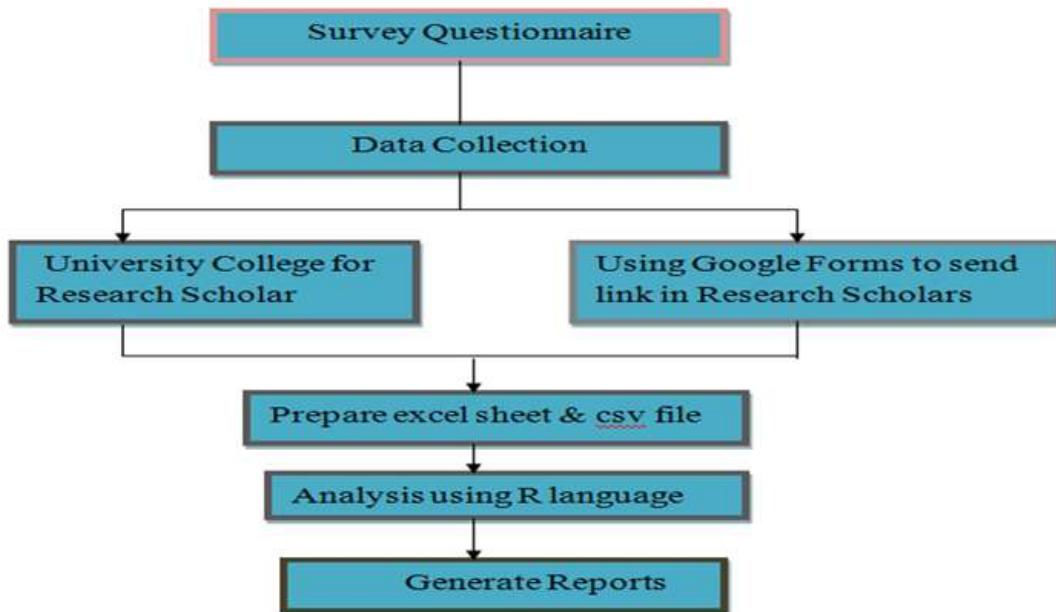
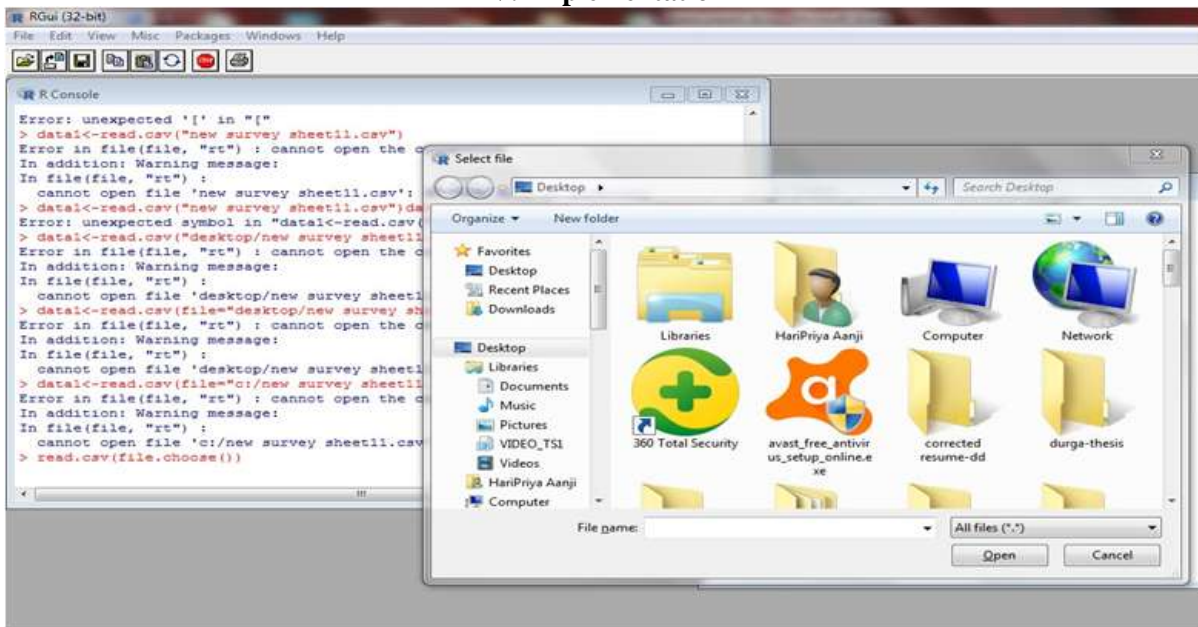


Figure 4.2 Methodologies and Analysis of Research Scholar

#### IV. Implementation

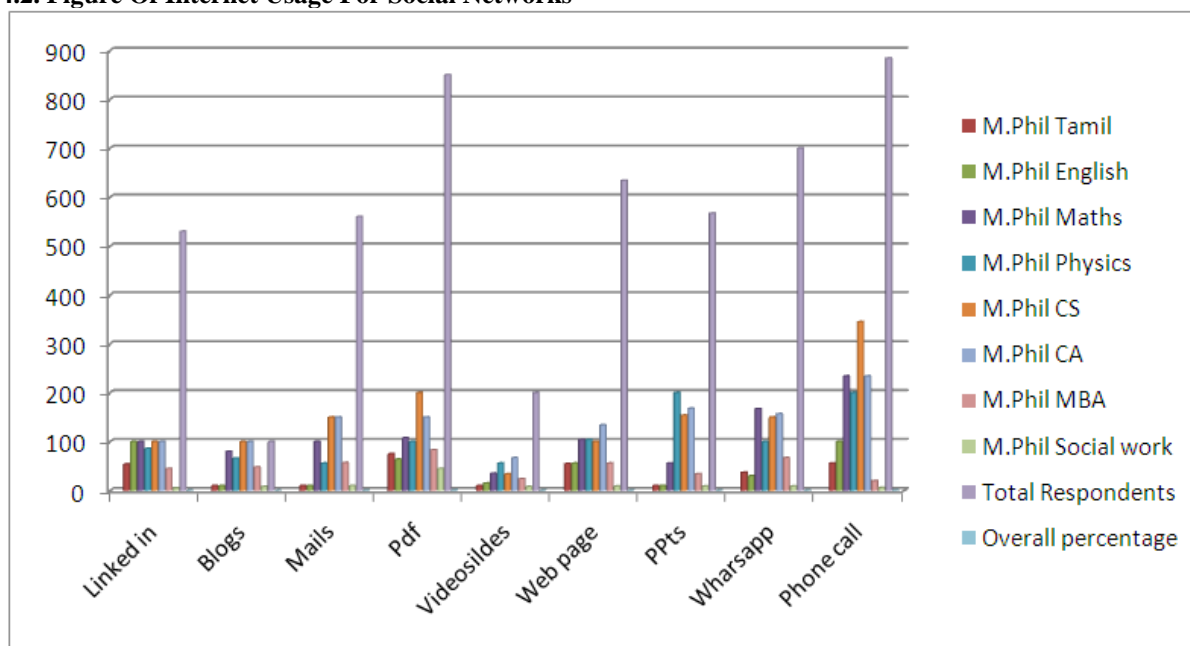


#### 4.1. Table Of Internet Usage For Social Networks

Internet usage of social network							
S. No	Natural references	Arts	Science	Technologies	Total Respondents	of	Percentage
1	LinkedIn	154	186	200	530		50%
2	Blogs	20	54	174	248		24%
3	Mails	10	156	367	567		56%
4	Pdf	134	234	432	770		77%
5	Webpage	105	208	234	534		53%
6	PPTs	40	165	83	283		28%

7	Whatapp	67	267	46	367	36%
8	Facebook	34	60	89	189	18%
9	Phonecall	50	79	34	150	15%

#### 4.2. Figure Of Internet Usage For Social Networks



### V. Analysis And Interpretation Of Data

This chapter shows analysis and interpretation of data in research scholars. In this chapter elaborate the statistical analysis, charts, table of the analyzing process. The mainly focused on table and charts is gender, discipline, internet usage, Wi-Fi usage and nature reference for research work.

#### 5.1. Methodology

One thousand of questionnaires were distributed to one hundred and sixty one in male and eight hundred and fifty four in female at various disciplines in research scholars. The disciplines are classified in arts, science and Information Technologies. This was in proportion to the total number of research scholars working in these research works. The responses received from the one thousand of research scholars are analyzed and storing R language. All the respondents were found to have enhancing the computer and internet usage to adequate skills. Most of the respondents give majority value (67%) for using LinkedIn, blogs, journal, webpage and mobile related apps using data. In recently all respondents have a sufficient knowledge for using Mobile related apps, webpage, blogs and use of internet.

Three hundred and forty three (30%-50%) respondents make utilize of internet usage in 4-5 hours in a day and 7-8 times (60%) make utilize in natural references, through this study found were most of research communities using all internet source and research groups. The figure 2 show that among the research scholar of the various discipline are make utilize of the social media as LinkedIn, webpage, online article pdf, online forums and research groups. The reason for this study might be internet is growing on current information and technologies.

#### 5.2. Analysis And Findings Of Data

The respondents surveyed indicated that internet is very effectively used in sharing knowledge, using research groups and interaction between online conferencing. It is observed that out of the total respondents above 50% were using in online journal ( pdf, web pages, facebook and video call). This survey, in respect of using internet for collecting research resource, the majority of scholars utilize internet usage on daily for maximum five to six hours using. This study revealed that technologies and science community scholars 80% used to daily 8 hours for work in research oriented process. They are utilizing the network facilities on daily or weekly once.

It is interesting to note that the most of research scholars from all the disciplines are making utilize of internet usage for their enhancing research knowledge and research productivity. Through this study revealed

that nearly 77% respondents using the mobile apps and natural references and social network for all research scholar. Secondly, the research productivity is increased by the research scholars (53%) have the basic sense and efficient knowledge for using knowledge.

## **VI. Conclusion**

Although, the present study is enlighten the online resources utilization by the research scholars of Thiruvalluvar University. The internet is being playing an essential role of information in search and propagates of information for research scholars. This study testament the researchers are most effectively utilizing social networks and online forums as well. This above study examines the year wise growth of internet facilities increased to the research scholars. The researchers make use of more information seeking and collecting data into online forums technologies. From this study, the most of the research scholars using internet daily in their research works. Internet and online social networks are the most famous resources of research materials. The study evinces the exploitation of internet based online resources to get better growth the research work among the research scholars and make to the positive thought of the futuristic research career. There is strong spotlight to using internet based resources are a largest strength and will carry out more new effective research innovation. As a future work it will be interesting to create new framework on research scholars, they are relate and sharing knowledge in online communication. The researchers find out resources easily and give the guidance of the research oriented processing.

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