

ONLINE INTERVIEW CHALLENGES FOR BUSINESS APPLICATIONS

Mr. Krishna Murthy M.S¹, Er. Bedre Heeramani², Er. Bedre Nagaraj³

¹Finance Manager & Tax consultant, Industry, Shivamogga

^{2,3}Lecturer Computer Science Dept., Sahyadri Science College (Autonomous)

Vidyanagara, Vinobanagara, Shivamogga, (INDIA)

ABSTRACT

Most of inventions in the era of computers have made it possible for solving any type of challenging tasks within fraction of seconds. Interviews are most powerful tools of data collection but it needs high cost and time. In this world many types of business needs attention towards interviews. If it is done manually then it consumes huge amount of time. This paper focus on challenges of online interview for business applications.

Keywords: Internet, TCP/IP, Multimedia, Interview, Quality.

I. INTRODUCTION

Internet is network of networks. It works on protocols of TCP/IP (Transmission Control Protocol/ Internet Protocol) .TCP/IP is collection of protocols which provides many benefits including avoid data duplication , data corruption, data delays, etc.

Multimedia is the combination of audio, video , graphics , animation, image & text. Now many of business application of computers are kn the need of handling multimedia data processing .

Due to growth of Internet applications in almost all areas of global world , most of share markets and software industries were looking forward for electronic trading. Sale of software internationally is becoming more important for software companies.

Software is collection of programs. The two types of software -System software & Application software. The software industry includes businesses for development, maintenance and publication of software that are using different business models, mainly either "license/maintenance based" (on-premises) or "Cloud based" .The industry also includes software services, such as training, documentation, consulting and data recovery. A business is an organization or enterprising entity engaged in commercial, industrial or professional activities. A company transacts business activities through the production of a good, offering of a service or retailing of already manufactured products.

A stock market, equity market or share market is the aggregation of buyers and sellers of stocks (or shares); these may include securities listed on a stock exchange as well as those only traded privately. A stock exchange is a place or organization by which stock traders (people and companies) can trade stocks. Companies may want to get their stock listed on a stock exchange. Other stocks may be traded "over the counter" (otc), that is, through a dealer. A large company will usually have its stock listed on many exchanges across the world.

An online interview is an online research method conducted using computer-mediated communication (CMC), such as instant messaging, email, or video. Online interviews require different ethical considerations, sampling and rapport than practices found in traditional face-to-face (F2F) interviews. Online interviews are separated into synchronous online interviews, for example via online chat which happen in 'real time' online and asynchronous online interviews, for example via email conducted in non-real time.

Online interviews, like offline interviews, typically ask respondents to explain what they think or how they feel about an aspect of their social world. Interviews are especially useful for understanding the meanings participants assign to their activities; their perspectives, motives, and experiences. Interviews are also useful for eliciting the language used by group members, gathering information about processes that cannot be observed, or inquiring about the past.[5] Thus the objectives researchers have do not differ significantly, however the methods and research design can be effected by the online component of the research which this article will take issue with.

II LITERATURE REVIEW

In online interviews, data is primarily generated through conversations between a researcher and "respondent". Researchers often seek out a deliberate (or "non-random") selection of respondents, recruiting individuals who can provide insight on a particular phenomenon, situation, or practice. Online Interviews can utilize a selection of formats and employ varying means of computer-mediated communication (CMC).

Synchronous

The interview is synchronous if it is conducted in real time. Skype interviews allow participants and researchers to converse in real time. Video chat is the closest a researcher will get towards resembling a face-to-face interview This is because it allows for facial expressions and other visual cues that are absent in textually based forms such as chatrooms. Another way of conducting synchronous interviews online is using WebRTC. When WebRTC is used web browser acts as a client and both the parties can connect over a real-time video-chat.

Asynchronous

An asynchronous online interview takes place when the researcher and the participant are not online at the same time. Typically these interviews will use email but other technologies might also be employed. This can be an advantage for research conducted across time zones or with busy participants, allowing them to answer questions at their convenience Kitvits point out that asynchronous interviews are very useful for reflective process which helps to assurance.

A concern related to the asynchronous method is the possibility of interviews gradually drying up over an extended period. While the possibility of long term "longitudinal" research is valuable, it is also risky. Completion requires high levels of participant motivation, since they have not dedicated a specific block of time. Additionally, asynchronous online interviews may feel less conversational and make it more difficult to ask follow-up questions. Rezabe describes this as a "lack of timeliness".

Structured interviews are guided by questions which are prepared prior to the interview.[1]

Semi-structured

Semi-structured interviews balance the pre-planned questions of a structured approach with the spontaneity and flexibility of the unstructured interview.

Unstructured

Unstructured interviews are conversations where the researcher collects data on a broad topic, however, does not have any specific questions prepared, allowing informants to guide the conversation by off

Trade in stock markets means the transfer for money of a stock or security from a seller to a buyer. This requires these two parties to agree on a price. Equities (stocks or shares) confer an ownership interest in a particular company. Participants in the stock market range from small individual stock investors to larger traders investors, who can be based anywhere in the world, and may include banks, insurance companies or pension funds, and hedge funds. Their buy or sell orders may be executed on their behalf by a stock exchange trader.

III MERITS

Some of merits of online Interviews are:

- Lesscost
- High Speed
- Easy & Flexible
- No limitation wrt geography
- Saves travelling

IV DEMERITS

Participant interest and motivation

- Use of language
- Technological competence
- Network Access
- Authentication

V CHALLENGES

The following are some of online Interview challenges:

Availability of high speed network.

Security of communicated data.

Compatibility with business applications.

Cost factor.

Quality of software and hardware.

Handling Multimedia data in real time applications.

VI CONCLUSIONS

The challenges faced by online interview for business applications depends on the business and its scalability, reliability factors as well as computers software & hardware dependency . It also involves the network related issues which are to be resolved for successful conduct of online Interview .

VII ACKNOWLEDGEMENTS

We authors are hereby express our sincere thanks and acknowledgements to the mother Smt. PUSHPA c/o Sri Erannaswamy Infront of anjaneya temple Lig24 vinobanagara Shivamoggakarnataka for continuous encouragements. We also Thank to Mahadimane Subbaraodoijode , Saraswathi and chinnu Anna for their support.

REFERENCES

- [1] Bedre Heeramani, Er. "Er. Nagaraj B, || Challenges of Network security || ." International Journal of innovative research in Science and Engineering, volume 2 8 (2016).
- [2] Murthy, Mr Krishna, and Er Bedre Heeramani. "Er. Bedre Nagaraj, "Technology based commercial business impacts on environment and research issues for advancements in computerised trading 2016: 2017", IJATES, Volume 4, Issue 9, sept 2 016." International Journal of Advanced Technology in engineering and science. ISSN: 2348-7550.
- [3] Murthy MK. Er. Bedre Heeramani, Er. Bedre Nagaraj, "Current trends in mobile banking research issues". International Journal for Research in Business Management. 2016 Nov; 2(11).
- [4] Heeramani, Bedre, and B. Nagaraj. "Volume 2, Issue 1, may 2013 ISSN: 2320 0804." International Journal of Engineering associates Research Paper: "Research of Modern Embedded Computer System Challenging Program Techniques for the Global Computer Science & Engineering Applications of Distributed Computing for 2013 (2012).
- [5] Heeramani, Bedre, and B. Nagaraj. "Research of New Non Iterative Fastest Neural Network Algorithm." International Journal of Innovative Research in Science, Engineering & Technology. IJRSET 4.9: 9051-9057.
- [6] Heeramani, Bedre, and B. Nagaraj. "paper "challenges of cloud computing", GJCSIT." Global Journal of computer science and information technology, volume 2, issue 4.
- [7] Heeramani, Bedre, and B. Nagaraj. "Volume 3, Issue 4, April 2013 ISSN: 2277 128X." International Journal of Advanced Research in Computer Science and Software Engineering Research Paper: "Research Dimensions of Advanced Mobile Computing Technology Security Issues for the Complex Applications" paper idv3i4-0499.

- [8]Murthy, Mr Krishna. "Er. BedreHeeramani, Er. Bedre Nagaraj," Advanced challenges of nanotechnology based Accounting", ICRISMET-2016, August, ISBN: 978-93-86171-04-07." International Conference on Recent Innovations in Sciences, Management education and Technology, JCD memorial college Sirsa, Haryana.
- [9]Murthy, Mr Krishna. "Er. BedreHeeramani, Er. Bedre Nagaraj," INTELLIGENT ROBOT SOFTWARE RESEARCH ISSUES FOR MODERN BANKING MANAGEMENT" Second." International. conference on " Latest innovations in science, Engineering and Management" Goa.
- [10]Heeramani, ErBedre. "Er. Nagaraj B." Fourth international conference on recent trends in engineering, science & management, 2016August, "challenges of network security", ICRTESM-16, GOA, Panjim, ISSN-973-93-86171-01-6.
- [11]Murthy, Mr Krishna. "Er. BedreHeeramani, Er. BedreNagaraj,"RESEARCH OF SMART BUSINESS MARKETINGTECHNIQUES BY INTERNET OF THINGS FOR GLOBAL TRADING IN 2017"." 3rd International Conference on Recent Innovations in Science, Technology, Management and Environment, ICRISTME-16., IFUNA, Indian Federation of United Nations Associations, New Delhi. 2016.
- [12]Murthy, Mr Krishna. "Er. BedreHeeramani, Er. Bedre Nagaraj, "." INFORMATION TECHNOLOGY MANAGEMENT CHALLENGES IN AUDIT CONTROL", IJARIE, ISSN (O)-2395-4396 2.6 (2016).
- [13]Murthy, Mr Krishna. "Er. BedreHeeramani, Er. BedreNagaraj,"TechnologicalInnnovative Research in the era of Advanced Computer Software Applications for Controlling the Electronic Devices with revolutionary opportunities in International Business during 2020"." International Journal of Innovative Research in Computer and Communication Engineering, IJIRCCE 4.11 (2016).
- [14]Heeramani, B. "Research Issues of InteractiveMultimedia for Advanced Computing & Communication for Challenging Applications." International Journal of Advanced Research in Computer Science and Software Engineering 2.4: 6.
- [15]BedreHeeramani, Er. "Er. Nagaraj B." Fourth international conference on recent trends in engineering, science & management, 2016August,—challenges of network security|| , ICRTESM-16, GOA, Panjim, ISSN-973-93-86171-01-6.
- [16]BedreHeeramani, B. "Nagaraj: Volume 2, Issue 4, April 2012 ISSN: 2277 128X." International Journal of Advanced Research in Computer Science and Software Engineering Research Paper:" Research Issues of Interactive Multimedia for Advanced Computing &Communication for Challenging Applications" paper id-v2i4 48.
- [17]Murthy, M.K., Er. BedreHeeramani, Er. Bedre Nagaraj," RESEARCH OF BUSINESS ENTERPRUENERAL POLICIES FOR POWER OF COMPUTER SCIENCE AND ENGINEERING IN 2025 ", paper id 3674, Volume 3, Issue 1, 2017, IJARIE.
- [18]Mr Krishna Murthy, ErBedreHeeramani, ErBedre Nagaraj, "ADVANCED CHALLENGES OF NANO TECHNOLOGY BASED ACCOUNTING", CRISMET-2016, August, Pages 978-93
- [19]Mr Krishna Murthy, ErBedreHeeramani, ErBedre Nagaraj, "TECHNOLOGY BASED COMMERCIAL BUSINESS IMPACTS ON ENVIRONMENT AND RESEARCH ISSUES FORADVANCEMENTS IN COMPUTERISED TRADING 2016: 2017", ICRTSM-16, 2016, PAGES 343-351

- [20] Mr. Krishna Murthy M.S, Er. Bedre Heeramani, Er. Bedre Nagaraj, "Challenges of businessman & software engineering in the era of Industrialisation", International Journal for Research in Business, Management & Accounting, Volume 3, Issue 3, Nov 2017, ISSN-2455-6144.
- [21] Mr. Krishna Murthy M.S, Er. Bedre Heeramani, Er. Bedre Nagaraj, "Essential Food Management over age 40 for sharp brain and strong physical programmer fitness", International Journal of Advanced Research and Innovative Ideas in Education, IJARIE, Volume 3, Issue 2, ISSN NO (O):2395-4396, paper id-4303.
- [22] Mr. Krishna Murthy M.S, Er. Bedre Heeramani, Er. Bedre Nagaraj, "HiFi Hotel Business and Management with Computers and robots of 2024", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, IJSRCSEIT, Volume 2, Issue 2, March April 2017, ISSN:2456-3307.
- [23] Mr. Krishna Murthy M.S, Er. Bedre Heeramani, Er. Bedre Nagaraj, "Era of 2027 computers in Human Resource Management with Internet of Things", International Journal for Research in Business Management and Accounting", Volume 3, Issue 2, February 2017
- [24] Mr. Krishna Murthy M.S, Er. Bedre Heeramani, Er. Bedre Nagaraj, "Challenges of Share Market and Software Business", RISEM-17, International Conference on Recent Innovations in Science Engineering and Management, ISBN:978-93-86171-22-1, Nalgonda, Jan 2017.
- [25] Mr. Krishna Murthy M.S, Er. Bedre Heeramani, Er. Bedre Nagaraj, "Web Commerce Based Online Multimedia Examination System", International Journal for innovative research in multidisciplinary field, Volume 3, Issue 1, IJIRMF, ISSN-2455-0620.
- [26] Bedre Heeramani, B. Nagaraj, "Emerging technological trends of 2012-2013 data flow supercomputer design issues for challenging applications", International Journal of Advanced Research in Computer Science and Software Engineering, (IJARCSSE), Volume 3, Issue 3, March 2013.
- [27] Bedre Heeramani, B. Nagaraj, "Research of system software tool with innovative technological trends of detailed design in advanced software engineering and quality assurance tools for 2012-2013 applications", International Journal of Advanced Research in Computer Science and Software Engineering, IJARCSSE, Volume 3, Issue 6, June 2013.
- [28] Mr. Krishna Murthy M.S, Er. Bedre Heeramani, Er. Bedre Nagaraj, "Challenges of Share Market and Software Business", International Journal of science, technology and Management (IJSTM), Volume 6, Issue 1, Jan 2017.
- [29] Salmons, J. (2014). Qualitative Online Interviews: Strategies, Design, and Skills. SAGE Publications.
- [30] "Internet-based Interviewing : SAGE Research Methods". srmo.sagepub.com. Retrieved 2016-04-16.
- [31] Stromer-Galley, Jennifer (2003). "Depth Interviews for the Study of Motives and Perceptions of Internet Use". Presented at the International Communication Association Conference. San Diego, CA.
- [32] Stewart, Kate; Williams, Matthew (2005-11-01). "Researching online populations: the use of online focus groups for social research". Qualitative Research. 5 (4): 395–416. doi:10.1177/1468794105056916. ISSN 1468-7941.
- [33] Lindlof, Thomas; Taylor, Bryan (2002). Qualitative communication research methods. Thousand Oaks, CA: Sage.

- [34] Hanna, Paul (2012-04-01). "Using internet technologies (such as Skype) as a research medium: a research note". *Qualitative Research*. 12 (2): 239–242. doi:10.1177/1468794111426607. ISSN 1468-7941.
- [35] Hanna, P. (5 April 2012). "Using internet technologies (such as Skype) as a research medium: a research note". *Qualitative Research*. 12 (2): 239–242. doi:10.1177/1468794111426607.
- [36] "Online Asynchronous and Face-to-Face Interviewing: Comparing Methods for Exploring Women's Experiences of Breastfeeding Long Term : SAGE Research Methods". srmo.sagepub.com. Retrieved 2016-04-16.
- [37] Rezabek, Roger (2000, January). Online focus groups: Electronic discussions for research [67 paragraphs]. *Forum Qualitative Sozialforschung / Forum: Qualitative Social Research* [online journal], 1(1). <http://www.qualitative-research.net/fqs-texte/1-00/1-00rezabek-e.htm>
- [38] Illingworth, Nicola (31 August 2001). "The Internet Matters: Exploring the Use of the Internet as a Research Tool". *Sociological Research Online*. Retrieved 11 February 2009.
- [39] Lo Iacono, Valeria (2016-05-01). "Skype as a Tool for Qualitative Research Interviews". *Sociological Research Online*. 21 (2).
- [40] Mann and Stewart (2005) *Internet Communication and Qualitative Research: A Handbook for Researching Online* London: Sage

BIOGRAPHY

Author1: Mr. Krishna Murthy M.S, Manager from industry background. His areas of interest includes software in management, professional consultancy & project management

Author2: Er. Bedre Heeramani has completed BE (CS&E), M. Tech (CS&E) first class from JNNCE Shimoga affiliated to VTU approved by AICTE . She is currently working as lecturer in department of computer science of sahyadri science college (autonomous university) shivamogga from 5 years and thought subjects data structures, computer networks, Unix, logic design, java programming, operating systems. Her areas of interest include neural networks and design of algorithms.

Author3: Er. Bedre Nagaraj , has completed BE (CS&E), M. Tech (CS&E) both first class from BIET, Davanagere & JNNCE Shimoga respectively. He has teaching experience of 19 years for various courses BE(CS&E), MCA, PGDCA, MTA, BCA, BSc etc and handled about 50 computer science subjects. He is currently working as lecturer in department of computer science of sahyadri science college (autonomous university) shivamogga. His areas of interest includes artificial neural networks, programming languages, compilers, data structures, analysis of algorithms, multimedia, graph theory, computer architectures

