# Effectiveness of E-Recruitment: Perspective of an Employer



ISBN: 978-1-943295-11-1

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Global Organizations are competing today to excel in various aspects of business by changing way they use all their resources Human Resource is one area where appropriate selection would have long term effect on the organisation. Information Technology has made deep inroads in recruitment whereby databases are being involved to identify, select eliminate and recruit candidates saving scarce resources like time for the organization. E-recruitment is the process where the entire process of recruitment and selection is done with intervention of web-based technologies in order to keep lease human intervention to achieve transparency. The present paper takes a critical look.

Keywords: E-Recruitment, Information Technology

## 1. Introduction

E-Recruitment is the process of personnel recruitment using electronic resources, in particular the internet. The first references to e-recruitment Appeared in articles of the mid-1980s. E-recruitment can be divided into two types of uses: corporate web site for recruitment and commercial jobs boards (such as monster.com) for posting job advertisements. Corporate websites are a company's own website with a link for job posting/career options where candidates can log into for current openings. If the company advertises its vacant positions on other website that specialize in recruitment such as naukri.com, timesjob.com, monster.com, etc., the companies would be adopting commercial job boards for recruitment. Companies and recruitment agents have moved much of their recruitment process online so as to improve the speed by which candidates can be matched with live vacancies. Using database technologies, and online job advertising boards and search engines, employers can now fill posts in a fraction of the time previously possible. Using an online e-Recruitment system may potentially save the employer time as usually they can rate the e-Candidate and several persons in HR independently review e-Candidates. Recruitment agencies also use a method of e-Recruitment by using a cloud based service, there are several online offerings for ready to use recruitment software the internet, which reaches a large number of people and can get immediate feedback has become the major source of potential job candidates and well known as online recruitment or Erecruitment. However, it may generate many unqualified candidates and may not increase the diversity and mix of employees. E-recruitment, also known as online recruitment, is the practice of using technology and in particular Web-based resources for tasks involved with finding, attracting, assessing, interviewing and hiring new personnel. The purpose of e-recruitment is to make the processes involved more efficient and effective, as well as less expensive. Online recruitment can reach a larger pool of potential employees and facilitate the selection process.

The online promotion of an organization as a desirable place to work, through the corporate website or other venues, is one element of e-recruitment. E-recruitment software and systems are available as standalone applications, product suites and services. A recruitment management system is an integrated product suite or portal that streamlines and automates the processes involved. The use of websites such as LinkedIn, Face book and Twitter for some aspects of recruitment is sometimes referred to as social recruiting. E-recruitment includes those practices and activities carried on by the organization Through Internet with the primary purpose of identifying and attracting potential employees. (Online recruitment is another name of e-recruitment)

This little change in the means of doing recruitment started during mid-90's that Edgley (1995) said the recruitment industry's future is on the net. During 2003 to 2005, 94 percent of the world's biggest companies (Global 500) have applied e-recruitment (Onrec, 2005). 43.9 percent of respondents to Keynote (2012) research across UK had used the internet to search for a job whereas in 2006, Chartered Institute of Personnel and Development (CIPD) found 64 percent of the UK organizations used e-recruitment (Parry and Tyson, 2008). Cappelli (2001) with no wonder declares 90 percent of US companies were already doing recruiting by internet then. However most of the data are not updated but it is enough to find out this approach is overwhelmingly being accepted and used by companies. Yet, the proportion is obviously varying.

## 2. Literature Review : Comparison between Traditional Recruitment and E-Recruitment

Recruitment includes those practices and activities carried out by the organization with the primary purpose of identifying and attracting potential employees. It is an important part of human resource management as it performs the essential function of drawing human assets into the organization. Recruitment is a process of searching candidates to fill vacant staff vacancies in any organization. The recruitment process attracts and secures the services of capable personnel with effective and optimum utilization of human resources. There are so many methods available to recruit the desired staff in any concern viz; recruitment agencies, newspapers advertisements, head hunting etc. All these methods are categorized as traditional methods.

The rapid advances in technology have dramatically changed the way the business is conducted and this increasing use of technology is clearly demonstrated by the number of organizations and individuals who utilize the internet and electronic mail (Erica, 2007). In terms of human resource management, the internet has changed the way of recruitment from both perspectives i.e. organizations and job seekers (Epstein, 2003). One of the most popular non-traditional forms of recruiting practice is e-recruitment (Smith, 2004). E-recruitment has been defined as the use of the internet to identify and attract potential employees (Breaugh & Starke, 2000). It refers to the practice of advertising job vacancies online, and the formal sourcing of information about the jobs online (Galanaki, 2002). Two trends which make it mandatory for small and medium sized businesses to invest in the tools for a successful e-recruiting strategy are demographic trends and financial scarcity (Abra, 2007).

On one hand, better technology and easier access to information produced between workers and firms is increasing the probability of finding the best match for a given opening. On the other, reduced application costs also encouraged increased applications from under qualified job seekers, triggering increased effort by firms to improve screening mechanisms (Freeman & Autor, 2002). The trends in e-recruitment suggest a changing landscape whereby in future the candidate is connected to the central system. Also, there is an involvement of the line manager in the process.



Figure 2 Recruitment Process

#### **E-Recruitment Revolution:**

The internet first emerged as a recruiting tool in the mid-1990s and was hailed by the popular media as the driver behind a "recruiting revolution" due to the benefits it could bring to recruiters (Boydell, 2002). It was predicted that the recruitment industries' "future is on the net" (Edgeley, 1995) and that the internet had brought radical change to corporate recruiting (Cappelli, 2001). The buzzword and the latest trends in recruitment is the "E-Recruitment". Also known as "Online recruitment", it is the use of technology or the web based tools to assist the recruitment process. Online recruitment and the use of new emerging technologies have many advantages for the modern recruiter. It makes the process of finding candidates and new business opportunities quicker, cheaper and more efficient. The internet has caused the largest change to the recruitment process in the past decade acting as a link between employers and job seekers. Technology has enabled corporate websites, suppliers and job seekers to become more sophisticated and interactive(Harris,2007).

#### **Drivers (Advantages)**

But why all these companies are using e-recruiting and what are the drivers?

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In a comprehensive review by Lang et al. (2011) you can find 14 important drivers for companies to implement e-recruitment which were recognized by scholars from 1998 to 2010 which would be listed here:

- 1. Shorter recruitment cycle
- 2. Faster than traditional mode
- 3. Lower cost per hire
- 4. Convenience and easy accessibility (free of time& place constraint) draws even passive job seekers.
- 5. Clearer job description
- 6. No middlemen. Selecting an applicant or not completely depends on the HR Manager of the Company.
- 7. Serves as a means for advertising and brand building for corporate
- 8. Time saving
- 9. Increased number of applicants
- 10. Independence of place and time -e.g. company can establish an assessment for applicants easily
- 11. Providing additional workplace and organizational information -by employer to applicants
- 12. Updating of job and applicant data -i.e. possibility to update information even when the position is published.
- 13. Expanding geographical scope of recruiting measures –i.e. having applicant hundred miles away (13) Realization of competitive advantage –i.e. through faster and cheaper recruiting process to select more suitable candidates
- 14. Corporate policy [Original sources of these drivers have been mentioned in Lang et al.'s study].
- 15. Wider reach beyond geographical boundaries
- 16. Faster search-based scanning and short listing of suitable candidates.

## **Disadvantages (Challenges)**

On the other hand the disadvantages of this approach can be extracted as well. Regardless of the challenges which companies face in terms of IT and marketing difficulties like security of applicant's data, privacy problems (which is always on the table speaking about digital world), importance of web appeal to attract job seekers (Thompson et al., 2008) or those issues which were disappeared due to time circumstances like "For majority of job seekers, internet still is not the first option" (Galanaki, 2002) the remaining controversial disadvantages of using this tool in terms of effectiveness and behavioral influences which may have effect on company's overall performance would be mentioned here: One of the most negative consequences of erecruiting which have always been on the agenda is the trade-off between quantity (increasing) and quality (decreasing) of the candidates. However the number of applicants would increase but it entails the higher number of unqualified ones (Pearce and Tuten, 2001; Chapman and Webster, 2003; Barber, 2006) which may increase the cost and time of processing.

- 1. Due to easy availability and convenience large number of unsuitable candidates may apply hence increasing screening effort.
- 2. Limited reach of the medium in some parts of the country.
- 3. In order to make their profile attractive, many applicants give fake referrals with some times fake service certificates which again takes more time for the HR managers to select a genuine candidates.
- 4. As some job portals are coming out with a standardized format for filling the profile, the applicant cannot highlight his /her skill set.

## **E-Recruitment Market**

E-recruitment market is one of the vital aspects in the process of recruiting the talent. Internet has completely changed the role of the traditional recruiter. An iLogos survey in 2002 found that 91 percent of the global 500 companies were using their corporate websites for recruiting as compared to 60 percent and 29 percent in 1999 and 1998 respectively (McManus & Ferguson,2003) Earlier, cold calling and candidate networking were the only options available for identifying the new potential candidates. But now it is possible to search one desired resume out of thousands, placed on the websites. E-recruitment enhances the effectiveness of the recruitment process (Stone, 2005). In a candidate-starved market, organizations are facing a continuous challenge to bridge the gap between the recruitment processes and decrease in the numbers of resources to administer the recruitment process. The e-recruitment has come up with valuable method for finding potential candidates who are not necessarily looking for a change in their current jobs but would be open to the right opportunity. The Society for Human Resource Management (SHRM) has published a report entitled Workplace Trends during 2007-2008 which states that there is a high demand for e-recruitment tools and skilled workers. "The total Indian recruitment market is approximately around Rs 500- 600Crores. The decade old online recruitment industry in India seems to be flooded with different jobsites, each of them promising a better job to candidates and better candidates to employers. The Indian market for e-recruitment is still at least five years behind than other countries" (Source: http://sidplanet.blogspot.com/2010/04/online-recruitment-sector.html)

## E- Recruitment in Indian Scenario

In the Indian context e-recruitment is also making its inroads in the armor of recruitment professionals This is evident in the growth of e-recruitment portals like Naukri.com, Jobstreet.com, Timesjob.com, Monsterindia.com etc Increasingly job portals are recognizing the need for offering customized solutions and value added services

A recent Kelly Services Global Work force Survey 3 has put forth some interesting findings about online recruitment in India. 78% of the respondents are satisfied with the results of the E- Recruitment process compared to 54% who were satisfied with

the traditional channel. While 40% of those surveyed in India found their most recent job online, 22% found a job being directly approached by an employer or recruiter, 13% through "word of mouth", 9% from newspaper advertising, 8% from directly approaching an employer and 8% through other methods. This highlights the growing reach of Internet and importance of E- Recruitment in India.

## Players in the Recruitment Market

- 1. Job Seeker: The job seeker is the person who desires for a job. There are two kinds of job seekers which are explained as follows:
- Active Job Seekers: The candidates who frequently search for a job because of one reason other, viz; better opportunity for growth, personal reasons to change and professional reasons etc. Commercial job boards/portals have truly complimented with their needs.
- Passive Job Seekers: Passive candidates are those workers who are not currently planning to change their jobs but still they regularly surf the internet for any one of million reasons during their normal routine. Such candidates may come across new job opportunities and simply drop their resumes on internet. Corporate websites is the most preferred destination for passive job seekers.
- 2. Recruitment Market: The recruitment market can be explained in three ways i.e. the traditional way which constitutes all the traditional methods of recruiting the candidates through newspaper ads, head hunters and temporary recruitment agencies etc. The second way is the new look of the traditional way which include old wine in new bottle like online newspapers ads, online headhunters and online temporary recruitment agencies. The third and the most used way in the current scenario is the e-way. It holds purely online methods of recruiting talent, viz; commercial job boards/portals, corporate websites and e-mails
- **3.** Potential Employers (Firms/Companies): The final destination of the every job seeker is to reach the potential employer. It means the companies/ firms who employ them on the basis of their capabilities and job requirements.



Figure 3 Players in Recruitment Market

## 3. Data Specification

## Methodology

#### 1. Research Methodology

- Preparation of Questionnaire and uploading the same in Survey Monkey to collect responses of the prospective employers.
- Questionnaire was validated by Industry experienced Person.
- Web Link through Survey Monkey was generated and circulated to collect the responses.
- The Sample size was taken as 40 as the target respondents are Employers so a small size of sample was selected.
- The results were generated and plotted using bar graphs.
- Important Parameters were selected to draw a conclusion Differentiation between Traditional Recruitment and Erecruitment.
- The Conclusion was drawn to analyze the Effectiveness of E-recruitment in present Scenario.

#### 2. Research Instrument

• A survey questionnaire was utilized as the research instrument. It gathered the perceptions of the respondents on the effectiveness of the online job recruitment system. A 5- point Likert-scale type was used to measure the effectiveness of the online job recruitment system. The scale, mean range, and the verbal interpretation are shown in Table- 1.

		and Verbal Interpretation
Scale	Mean Range	Verbal Interpretation
5	4.51-5.00	Very Effective
4	3.51-4.50	Effective
3	2.51-3.50	Moderately Effective
2	1.51-2.50	Slightly Effective
1	1.00-1.50	Not Effective

Figure

(Source: IJCSI International Journal of Computer Science Issues, Vol. 10, Issue 4, No 1, July 2013. Effectiveness of Online Job Recruitment System: Evidence from the University of the East)

## 3. Source of Data Collection

• Survey Monkey tool.

- Middle Management of different Public Sector and Private Sector Organizations were targeted to collect responses through the generated web link.
- The responses were collected from those persons who are directly or indirectly associated to recruitment process of the different targeted sectors of Industry like Indian Railway, IT Sector, Banks, Educational Sector etc.

### 4. Methodologies Required for Validating the Questionnaires

- The Questionnaire was validated by Industry experienced HR Professional.
- The content of the questionnaire was validated by Project Guide Industry experienced HR Professional
- Comments and suggestions were taken into consideration to improve the questionnaire.
- Survey was also done as a part of Pilot Survey as a result of Pilot survey no of Questions was reduced and also few changes were made.

## 4. Data Collection and Analysis

1. Do you prefer E-Recruitment over the traditional method of recruitment?





				Table 2			
	NEVER (1)	SELDOM (2)	SOMETIMES (3)–	FREQUENTLY (4)–	ALWAYS (5)-	TOTAL	- WEIGHTED AVERAGE-
Percentage	5.00%	12.50%	50.00%	12.50%	20.00%		
No of Responses	2	5	20	5	8	40	3.30
BASIC STAT	TISTICS				?		
Minimum	n 1.00	Maximum 5.00	Median 3.00	Mean 3.30	Standard Devi 1.08	ation	

#### 2. Do you use any social media website for recruitment?



_	NEVER (1)–	SELDOM (2)-	SOMETIMES (3)-	FREQUENTLY (4)–	ALWAYS (5)-	TOTAL-	WEIGHTED AVERAGE–
Percentage	15.00%	7.50%	27.50%	40.00%	10.00%		3.23
No. of Responses	6	3	11	16	4	40	
BASIC STA	BASIC STATISTICS				?		
Minimun	n 1.00	Maximum 5.00	Median 3.50	Mean 3.23	Standard Devi 1.19	ation	

3. Do you think that E-Recruitment is an effective way to gather quality resumes than a traditional method of recruitment?



				Table 3			
_	NEVER (1)-	SELDOM (2)-	SOMETIMES (3)-	FREQUENTLY (4)-	ALWAYS (5)-	TOTAL-	WEIGHTED AVERAGE-
Percentage	12.50%	2.50%	37.50%	22.50%	25.00%		
No. of Responses	5	1	15	9	10	40	3.45
BASIC STAT	ISTICS				?		
Minimum 1.00		Maximum 5.00	Median 3.00	Mean 3.45	Standard Deviat 1.24	ion	

4. Do you agree that E-recruitment is the fastest mode to apply for jobs?



Figure

				Table 4			
_	NEVER (1)–	SELDOM (2)-	SOMETIMES (3)–	FREQUENTLY (4)-	ALWAYS (5)-	TOTAL-	WEIGHTED AVERAGE–
Percentage	2.50%	0.00%	17.50%	17.50%	62.50%		
No. of Responses	1	0	7	7	25	40	4.38
BASIC STA	TISTICS				?		
Minimun	n 1.00	Maximum 5.00	Median 5.00	Mean 4.38	Standard Deviation 0.94		

5. Do you agree that large pool of applicants can be collected through E-Recruitment?



Figure

				Table 5			
_	NEVER (1)–	SELDOM (2)-	SOMETIMES (3)–	FREQUENTLY (4)–	ALWAYS (5)-	TOTAL-	WEIGHTED AVERAGE-
Percentage	7.50%	5.00%	15.00%	25.00%	47.50%		
No. of Responses	3	2	6	10	19	40	4.00
BASIC STAT	TISTICS				?		
Minimum 1.00		Maximum 5.00	Median 4.00	Mean 4.00	Standard Devi 1.22	ation	

6. Do you agree that E-recruitment reduces the recruitment and selection cost?



Figure

Table 6									
-	NEVER (1)–	SELDOM (2)-	SOMETIMES (3)-	FREQUENTLY (4)-	ALWAYS (5)–	TOTAL	- WEIGHTED AVERAGE-		
Percentage	2.50%	10.00%	20.00%	17.50%	50.00%				
No of Responses	1	4	8	7	20	40	4.03		
BASIC STATISTI	CS				?				
Minimum 1.00		Maximum 5.00	Median 4.50	Mean 4.03	Standard Deviation 1.15				

7. Do you agree that in the competitive market E-recruitment plays a vital role for bringing success of the organization?



Figure

				Table 7			
_	NEVER (1)–	SELDOM (2)-	SOMETIMES (3)-	FREQUENTLY (4)-	ALWAYS (5)-	TOTAL-	WEIGHTED AVERAGE-
Percentage	2.50%	2.50%	32.50%	27.50%	35.00%		
No. of Responses	1	1	13	11	14	40	3.90
BASIC STATIS	STICS				?		
Minimum 1.00		Maximum 5.00	Median 4.00	Mean 3.90	.90 Standard Deviation 0.99		

8. Do you agree that E-recruitment saves time in collecting a large quantity of resumes?



	Table 8									
_	NEVER (1)–	SELDOM (2)-	SOMETIMES (3)-	FREQUENTLY (4)–	ALWAYS (5)-	TOTAL	- WEIGHTED AVERAGE-			
Percentage	2.50%	2.50%	10.00%	30.00%	55.00%					
No. of Responses	1	1	4	12	22	40	4.33			
BASIC STATI	BASIC STATISTICS				?					
Minimum 1.00		Maximum 5.00	Median 5.00	Mean 4.33	Standard Devi 0.93	ation				

9. Do you agree that applying through job portals and social media is more accessible to the candidates?



				Table 9			
-	NEVER (1)–	SELDOM (2)-	SOMETIMES (3)-	FREQUENTLY (4)–	ALWAYS (5)-	TOTAL-	WEIGHTED AVERAGE–
Percentage	2.50%	5.00%	10.00%	27.50%	55.00%		
No. of Responses	1	2	4	11	22	40	4.28
BASIC STATIS	STICS				?		
Minimum 1.00		Maximum 5.00	Median 5.00	Mean 4.28	Standard Devi 1.00	ation	

10. Did you achieve an effective recruitment process by using E-recruitment?





_	NEVER (1)-	SELDOM (2)-	SOMETIMES (3)-	FREQUENTLY (4)-	ALWAYS (5)-	TOTAL	- WEIGHTED AVERAGE-		
Percentage	12.50%	2.50%	27.50%	27.50%	30.00%				
No. of Responses	5	1	11	11	12	40	3.60		
BASIC STATI	STICS				?				
Minimum 1.00		Maximum 5.00	Median 4.00	Mean 3.60	Standard Deviation 1.28				

Table 10

## 5. Results and Discussions

Effectiveness of E-Recruitment as per Table 1

Table 1					
Parameters	E-Recruitment			Maan	Effectiveness (verbal Interpretation)
	Agree	Disagree	Neutral	Mean	Effectiveness (verbal Interpretation)
Preference	32.50%	17.50%	50.00%	3.30	Moderately Effective
Use of Social Media	50%	22.50%	27.50%	3.23	Moderately Effective
Quality of Resumes	47.50%	15.00%	37.50%	3.45	Moderately Effective
Speed of Recruitment	80.00%	2.50%	17.50%	4.38	Effective
Quantity of Resumes	72.50%	12.50%	15.00%	4.00	Effective
Reduction of Cost	67.50%	12.50%	20.00%	4.03	Effective
Organizational Success Rate	62.50%	5.00%	32.50%	3.90	Effective
Time Saving	85.00%	5.00%	10.00%	4.33	Effective
Accessibility	82.50%	7.50%	10.00%	4.28	Effective
Overall Effectiveness	57.50%	15.00%	27.50%	3.60	Effective
Overall Mean				3.85	Effective



# 6. Observation and Suggestion

- 32.50% of respondents prefers E-recruitment over the traditional system of recruitment but still 50% of them are unable to clearly express their views and 17.50% disagrees, thus E-recruitment is giving only "MODERATELY EFFECTIVE" impact according to the preference of Prospective employers.
- Only 50% of the respondents uses Social Media for recruitment, then here also we are get "MODERATELY EFFECTIVE" results. Thus much more use of Social Media i.e JOB PORTALS should be increased in case of Recruitment.
- 47% of the Employers feel that they could get good Quality resumes through E-Recruitment. So, here also the effectiveness is "MODERATELY EFFECTIVE".
- But out DATA shows that E-Recruitment is giving very good impact in certain areas like
- 1. Fastest Mode of Hiring
- 2. Large Quantity of Resumes within Limited period of time
- 3. Reduction in the Selection Cost
- 4. Organizational overall success in hiring in this competitive market.
- 5. It saves a lot of time.

6. Easily accessible

Thus in these area the overall response for E-Recruitment is Effective as majority of the respondents are in favor of E-recruitment.

• Thus E-recruitment should be given more preference in order to reach to "VERY EFFECTIVE" state of effectiveness in the eyes of the Prospective employer. So that much more quality employees can be obtained even within very short period of time as well as at a much reduced cost.

## 7. Conclusions

In this paper we have investigated the relationship between Traditional recruitment and E-recruitment and also we have analyzed the effectiveness of E-Recruitment in order to establish the desirability of e-recruitment to a modern day employer Thus from our study it is clear that E-recruitment is very effective in today's scenario as per our collected data from various sectors and different Industrial experts in the field recruitment.

The verbal interpretation of our analysis shows that our result lies in between MODERATELY EFFECTIVE TO EFFECTIVE.

More-emphasis on E-Recruitment should be given in order to reach towards VERY EFFECTIVE stage.

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