



REVIEW OF RESEARCH

ISSN: 2249-894X

IMPACT FACTOR : 5.7631 (UIF)

UGC APPROVED JOURNAL NO. 48514

VOLUME - 8 | ISSUE - 9 | JUNE - 2019



IMPACT OF ICT TOOL IN DHULE DISTRICT INDUSTRIES

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ABSTRACT:

In this era ICT is used in everywhere to solve the human problems and perform smooth functioning of industries. In the industries to communicate easily using ICT tools. In this paper to study the impact of ICT tools in Dhule District industries. This presents research, which identified the benefits in using ICT, the challenges when it comes to managing it, corporate performance and the attitudes of executives, and the relationship that exists among these dimensions in Dhule District industries. The contribution is to increase the knowledge about the dimensions of the use of this technology, as the relationship among them and the technology, and among the dimensions themselves, and to present a framework for analyzing this use. To analyze or classified the data using SPSS.



KEYWORDS: ICT, Impacts of ICT, SPSS.

INTRODUCTION :

The use of computer and information technology in mainstream business has redefined workplace practices, operational metrics and business models. To get a better handled on business operation, data management, improved product quality, reduce human work, smooth function of organization, good management of work, to generate various report etc. Information and communication technology Typically, ICT is widely used for administrative purposes, especially by the large contractors. Information is transferred between participants and different

stages of the project are inefficient and redundant information is created. Transfer of information is often carried out manually. It is very obvious that ICT has done great for businesses. In spite of the possible benefits of ICT, presently a debate exists about how their acceptance enhances firm output. Use of and venture in ICT needs balancing investment in skills, organization and innovation and investment and change entails risks and costs as well as bringing potential benefits.

ICT Tools:-

• Radio	• Cell phones
• Computer	• Software
• Internet	• Television
• Satelite	• Slide Presentation
• Teleconferencing	• Websites etc.

OBJECTIVES:-

- The main objective is to study impact of ICT tools in Dhule District industries.
- To study the use of ICT tools to make the functioning smooth in industries.
- To study utilization of ICT tools for good communication.

- To study how much manual efforts are reduced because of ICT tools in commercial industries.
- To study involvement & use of ICT tools in decision making by management.

HYPOTHESIS:-

Hypothesis is usually considered as the principal instrument in research. A hypothesis is a tentative statement about the relationship between two or more variables.

- Use of ICT tools is helpful for the smooth functioning of industries.
- ICT tools perform good communication.

RESEARCH METHODOLOGY:-

The research area was Dhule District and it covers Four Tehsils in Dhule District were Shirpur, Dhule, Shindkheda and Sakri. The total sample size chose for the research 10 respondent in each tehsil. The researcher has estimated minimum 50 and maximum 80 respondents from Dhule district.

Table 10.1: Showing the total number of respondents considered for research from each Tehsil

Sr. No. (1)	Tehsil (2)	(3)	(4)	(5)	(6)
1	Dhule	10	15	10	10
2	Shirpur	10	14	10	10
3	Shindkheda	10	13	08	10
4	Sakri	02	02	02	02
5	Google	20	30	20	20

Note:-

- **Column No. 3:** Total number of respondent considered.
- **Column No. 4:** Total number of questionnaire distributed.
- **Column No. 5:** Total number of questionnaire returned by respondent.
- **Column No. 6:** Total number of questionnaire considered for analysis.

Experiment:-

Responses related to ICT tools reduce manual efforts.

Responses	Frequency	% of Total
YES	47	90.38
NO	4	7.69
Can't Say	1	1.92
Total	52	100

Responses related to ICT tools improved decision making power .

Responses	Frequency	% of Total
YES	42	80.77
NO	8	15.38
Can't Say	2	3.85
Total	52	100

Responses related to smooth functioning.

Responses	Frequency	% of Total
YES	39	75.00
NO	13	25.00
Can't Say	0	0.00
Total	52	100

Responses related to better controlling performed.

Responses	Frequency	% of Total
YES	45	86.54
NO	06	11.54
Can't Say	01	1.92
Total	52	100

Responses related to ICT tools improved customer relationship.

Responses	Frequency	% of Total
YES	43	82.69
NO	09	17.30
Can't Say	00	0.00
Total	52	100

Hypothesis Testing Through Statistical Method: Chi- Square Test:-

HYPOTHESIS 1: Use of ICT tools is helpful for the smooth functioning of industries.

Thus applying the Formula $\chi^2 = \sum (O_i - E_i)^2 / E_i$

Here, **O_i**= Observed Frequency (Response collected from survey),

E_i= Expected Frequency (Expected Response)

Showing calculation of $\sum (O_i - E_i)^2 / E_i$ in Dhule District.

Sr. No.	Smooth Functioning	O _i	E _i	O _i -E _i	(O _i -E _i) ²	(O _i -E _i) ² /E _i
1	YES	39	17.33	21.67	43.33	2.50
2	NO	13	17.33	-4.33	22.66	1.31
3	CAN'T SAY	0	17.33	-17.33	24.66	1.42
	Total	52				5.23

$\sum (O_i - E_i)^2 / E_i = 5.23$

Degree of freedom (d.f.) is 2

Therefore, Tabulated value of χ^2 as 2 degree of freedom is 5.991*

$\chi^2 = 5.23$

$5.23 < 5.991^*$

By Chi- Square test, we come to know that our hypothesis is Accepted at 5% level of significance.

- RESULT:** - Thus, our hypothesis that the Use of ICT Tools is helpful for the smooth functioning of industries. There are number of industries to use ICT Tools for smooth functioning in business. In this way our hypothesis has been proved to be Positive for impact of ICT tools in Dhule District Industries.

HYPOTHESIS 2: ICT tools perform good communication.

Thus applying the Formula $\chi^2 = \sum (O_i - E_i)^2 / E_i$

Here, **O_i**= Observed Frequency (Response collected from survey),

E_i= Expected Frequency (Expected Response)

Showing calculation of $\sum (O_i - E_i)^2 / E_i$ in Dhule District.

Sr. No.	Good Communication	O _i	E _i	O _i -E _i	(O _i -E _i) ²	(O _i -E _i) ² /E _i
1	YES	43	17.33	25.67	51.33	2.96
2	NO	9	17.33	-8.33	22.66	1.31
3	CAN'T SAY	0	17.33	-17.33	24.66	1.42
	Total	52				5.69

$$\sum (O_i - E_i)^2 / E_i = 5.69$$

Degree of freedom (d.f.) is 2

Therefore, Tabulated value of χ^2 as 2 degree of freedom is 5.991*

$$\chi^2 = 5.69 \qquad 5.69 < 5.991^*$$

By Chi- Square test, we come to know that our hypothesis is Accepted at 5% level of significance.

• **Result:** - Thus, our hypothesis that the Use of ICT Tools ICT tools perform good communication. There are number of industries to use ICT Tools for good communication in business. In this way our hypothesis has been proved to be Positive for impact of ICT tools in Dhule District Industries.

FINDINGS:-

- **Objective 1-** To study the use of ICT tools to make the functioning smooth in industries. After analyzing to finding that, regarding the **impact of ICT tools is positive to make the functioning smooth in industries**. In Dhule district industries out 52 respondents, majority (49) of choose YES option.
- **Objective 2-** To study utilization of ICT tools for good communication. After analyzing to finding that, regarding the **impact of ICT tools is positive to improved customer relationship**. In Dhule district industries out 52 respondents, majority (49) of choose YES option.
- **Objective 3-** To study how much manual efforts are reduced because of ICT tools in commercial industries. After analyzing to finding that, regarding the **impact of ICT tools is positive to reduce manual efforts**. In Dhule district industries out 52 respondents, majority (47) of choose YES option.
- **Objective 4-** To study involvement & use of ICT tools in decision making by management. After analyzing to finding that, regarding the **impact of ICT tools is positive to improved decision making power**. In Dhule district industries out 52 respondents, majority (42) of choose YES option.

CONCLUSION:

It is observed in Dhule district ICT tool helps one manage one's own business assets and personal finances. Industries transactions and payments of bills can be done over the Internet. Similarly, online shopping is becoming widely popular. To be in the race, it is very important to take ICT Tools in industries. It shows positive impacts of digitization on industries. It observed that the Internet, wireless networks, cell phones, and other communication mediums to increased performance of industries in Dhule district.

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