

## Smart Services and their impact on children's behaviour: a case study conducted in SRTM University, Nanded Maharashtra

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### Abstract:

Mobile phones and devices are becoming mini-computers that enable kids to access every portal and platform of the digital world — from home, school, or any place in between. Mobile devices and digital media are changing the ways that kids live and learn — and the changes can create opportunities and pose potential dangers. Kids today are growing up in a mobile, digital world, and we need to give them the digital literacy skills and judgment to access the benefits — and avoid the dangers — of this world. Smart phones will change kids' lives. We all share a responsibility for making sure the changes are positive. The main objective of this paper is study smart devices and their impact on children behavior.

**Keywords:** Smart Services, children's behaviour, Mobile phones, digital media, Smartphone.

### Introduction:

There is no doubt about the importance of smart devices everyone's life, nowadays we can say that everyone's and even every home have at least one smart device like laptop, I Pad, Smartphone... etc. So, everyone's can use it for several things like watching video, listening music, playing games, browsing internet...etc. Today in every house we can find 2-3 smart phones with social apps preinstalled in it. These gadgets are mostly used as a gaming device for everyone's including teenagers. Parents are feelings proud to see their techno savvy child using smart phone without difficulty. Not necessary every time there will be use of device for their prime purpose. As an adult one could be suffering porn on the phone at home or work place. Any website can have viruses, malware, adware, Trojans and worms particularly if one is carelessly clicking on links.

In recent years, all these smart devices invaded children world, now we can see that almost all children can use these smart devices especially I Pad and Smartphone to play games. Children today is different from children ten years ago in a number of respects, children today is more independent, stubborn,

and sometimes more violent. There was an important change in their behavior. The reason behind this is because of spending much more time playing with smart devices without parent's control. Of course, there are a several benefits that children can get from some applications, these apps can help children to learn and develop their skills, but on the other hand, there are a lot of apps and games that are not good for children, it can influence on their behavior and thinking, so parents should pay more attention to identifying what kinds of apps that their children can use and continuously monitoring their behavior, if they don't do that, bad and dangerous behavior will develop in an accumulation way over time.

### Research objective:

1. To study the effects of smart devices on children's behavior.
2. To find out the Parents attention towards children's behaviour.

**Hypothesis of the study:** Parents attention towards children's and children's behaviour is significantly different.

**Research methodology:**

**Data Collection Methods: Primary source:**

Primary data has been collected from respondents through questionnaire.

**Secondary data:** Secondary data has been collected from various sources like research paper, research article, books, journals and extensive use of internet.

**Population:** The study was done in SRTM University Nanded Maharashtra state. It is about the effect of using smart devices on children's behavior.

**Types of research study:** This purely descriptive research study conducted in SRTM University Nanded Maharashtra.

**Methods of Sampling:** purposive sampling method has been used to draw a sample from population. Purposively 130 respondents have been selected from university.

**The Tools used for this Study:** questionnaire, interview have been used to collect necessary information.

**Tabulation and interpretation of data:**

**Table No. 1 Characteristics of the sample - gender**

Sr. No.	Gender	Frequency	Percentage
1	Male	115	88.5
2	Female	15	11.5
	Total	130	100.0

Source: Field Survey

As shown in the table and figure above, the majority (88.5%) of the parents are males, whereas (11.5%) are females.

**Table No. 2 Characteristics of the sample on the basis of qualification**

Sr. No.	Qualification	Frequency	Percentage
1	Ph.D.	25	19.2
2	M.Phil	1	.8
3	Master	25	19.2
4	Diploma	6	4.6
5	Degree	29	22.3
6	HSC	15	11.5
7	SSC	29	22.3
	Total		

Source: Field Survey

As shown in the table and figure above (22.3%) of the parents are have "Degree " and

"SSC", whereas (19.2%) have "PhD" and "Master ", in addition (11.5%) have "HSC", (4.6%) have Diploma, finally (0.8%) have M.Phil.

**Table No. 3 Characteristics of the sample- No. of children**

Sr. No.	Children's	Frequency	Percentage
1	One	21	16.2
2	Two	55	42.3
3	Three	42	32.3
4	More than three	12	9.2
	Total	130	100.0

Source: Field Survey

As shown in the table and figure above (42.3%) of the parents are have "two children", and (32.3%) have "three children ", whereas (16.2%) have "one child", finally (9.2%) have "more than three children"

**Table No. 4 Characteristics of the sample- No. of smart devices**

Sr. No.	Devices	Frequency	Percentage
1	Play station	19	9.74
2	Smart Phone	101	51.79
3	Laptop	36	18.46
4	personal computer	26	13.33
5	I pad	12	6.15
6	other	1	0.51
	Total	195	100

Source: Field Survey

As shown in the table and figure above (51.79%) of the smart devices that exists in homes are "smart phones", and (18.46%) are "laptops", whereas (13.33%) are "PC", in addition (9.74%) are "play stations", and (6.15%) are I pad, finally (0.51%) are "others"

**Table No. 5: Characteristics of the sample- Time playing with smart devices a day**

Sr. No.	Timing	Frequency	Percentage
1	One hour	36	27.7
2	Two hours	60	46.2
3	Three hours	22	16.9
4	Four hours	8	6.2
5	Five hours	2	1.5
6	More than five	2	1.5
	Total	130	100.0

Source: Field Survey

As shown in the table and figure above (46.2%) of the parents said that the time that they allow their children to play with smart devices every day is "two hours", (27.7%) of

them said that they allow their children to play for "one hour", whereas (16.9%) "Three hours", finally (1.5%), "Five hours" and "more than five hours."

**Data Analysis:**

**Table No. 6 : Frequencies and means and standard deviations of participants' responses to Parents Attention**

N	Item	Yes		Usually		No		Mean	Sd	Relative importance
		F	%	F	%	F	%			
	<b>Parents Attention</b>									
1	Do you trust in all the apps and games that your children play with it?	67	51.5	49	37.7	14	10.8	2.41	0.68	79.45
2	Do you continuously monitoring your children during playing with smart devices?	61	46.9	43	33.1	26	20	2.27	0.78	74.88
3	Do you have any clear plan to manage free time for yours children?	77	59.2	35	26.9	18	13.8	2.45	0.73	80.98
4	Do you realize any change in your children behavior after using smart devices?	80	61.5	39	30	11	8.5	2.53	0.65	83.52
5	Do you know what the effect of using smart devices on children behavior?	84	64.6	33	25.4	13	10	2.55	0.67	84.02
6	Do you think that yours children become smart when using smart devices?	70	53.8	36	27.7	24	18.5	2.35	0.78	77.68
7	Do you think that using smart devices will develop yours children abilities?	73	56.2	35	26.9	22	16.9	2.39	0.76	78.95
								2.42	0.33	79.93

Source: Field Survey

As shown in Table (7), the majority parents "agree" that they trust all the apps and games that their children play with it (M = 2.41, SD = 0.68). In addition, parents agree that they continuously monitoring their children during playing with smart devices (M = 2.27, SD = 0.78). Besides that, parents agree

that they have clear plans to manage free time for their children (M = 2.45, SD = 0.73), also parents agree that they do know what the effect of using smart devices on children behavior (M = 2.88, SD = 1.05).

**Table No. 7: Frequencies and means and standard deviations of participants' responses to children behaviour**

N	Item	Yes		Usually		No		Mean	Sd	Relative importance
		F	%	F	%	F	%			
	<b>Children Behavior</b>									
8	Your child becomes silent behavior.	75	57.7	28	21.5	27	20.8	2.37	0.81	78.18
9	Your child begins to be creative.	84	64.6	31	23.8	15	11.5	2.53	0.70	83.52
10	Your child begins to be talkative.	56	43.1	45	34.6	29	22.3	2.21	0.78	72.85
11	Your child's curiosity is increasing.	50	38.5	56	43.1	24	18.5	2.20	0.73	72.6
12	Your child use smart phone only for study purpose.	37	28.5	42	32.3	51	39.2	1.89	0.82	62.45
13	Does your child perform at a time multiple works?	46	35.4	52	40	32	24.6	2.11	0.77	69.55
14	Does your child participate in other activities at home through using smart phone/internet?	55	42.3	54	41.5	21	16.2	2.26	0.72	74.63
15	Your child always trying to imitate	45	34.6	59	45.4	26	20	2.15	0.73	70.82

	games others.									
16	Your child seems to be selfish.	47	36.2	44	33.8	39	30	2.06	0.81	68.03
17	Your child seems to be demanding.	63	48.5	37	28.5	30	23.1	2.25	0.81	74.38
18	Your child seems to be naughty.	53	40.8	37	28.5	40	30.8	2.10	0.84	69.3
19	Your child seems to be crazy.	37	28.5	42	32.3	51	39.2	1.89	0.82	62.45
20	Your child seems to be aggressive.	44	33.8	47	36.2	39	30	2.04	0.80	67.27
21	Your child appears violent behavior	38	29.2	46	35.4	46	35.4	1.94	0.80	63.97
22	Your child begins to be isolated.	38	29.2	55	42.3	37	28.5	2.01	0.76	66.25
23	Your child begins to disobey your orders.	49	37.7	47	36.2	34	26.2	2.12	0.79	69.81
24	Your child begins to be lazy.	39	30	44	33.8	47	36.2	1.94	0.81	63.97
25	Your child seems to be considerate.	54	41.5	49	37.7	27	20.8	2.21	0.76	72.85
26	Your child interested in playing with smart devices more than his work.	54	41.5	52	40	24	18.5	2.23	0.74	73.62
27	Your child interested in playing with smart device more than outdoor games.	44	33.8	55	42.3	31	23.8	2.10	0.76	69.3
28	Your child doesn't cooperate with others.	46	35.4	37	28.5	47	36.2	1.99	0.85	65.75
29	There is a poor relationship between your child and others family members.	53	40.8	33	25.4	44	33.8	2.07	0.86	68.28
30	Your child fails to finish tasks that he started.	42	32.3	60	46.2	28	21.5	2.11	0.73	69.55
31	Your child begins to tell unreal stories.	36	27.7	57	43.8	37	28.5	1.99	0.75	65.75
32	Your child always forgets to do important things.	40	30.8	56	43.1	34	26.2	2.05	0.76	67.52
33	Your child fails to organize his duties and tasks.	34	26.2	55	42.3	41	31.5	1.95	0.76	64.22
34	Your child denies mistakes he has done.	57	43.8	42	32.3	31	23.8	2.20	0.80	72.6
35	Your child begins to blame others for his mistakes.	45	34.6	52	40	33	25.4	2.09	0.77	69.05
36	Your child begins to destroy home things.	31	23.8	51	39.2	48	36.9	1.87	0.77	61.68
37	Your child begins to fight with his friends.	25	19.2	62	47.7	43	33.1	1.86	0.71	61.43
								2.09	0.24	69.06

Source: Field Survey

As shown in Table (8), the majority parents "agree" that their child begins to be creative ( $M = 2.53$ ,  $SD = 0.70$ ). In addition, parents agree that their child becomes to be silent behavior ( $M = 2.37$ ,  $SD = 0.81$ ), besides, parents agree that their children participate in other activities at home through using smart phone/internet ( $M = 2.26$ ,  $SD = 0.72$ ), also parents agree that their children seem to be demanding ( $M = 2.25$ ,  $SD = 0.81$ ) and seem to be naughty ( $M = 2.10$ ,  $SD = 0.84$ ), and aggressive ( $M = 2.04$ ,  $SD = 0.80$ ), disobey parents orders ( $M = 2.12$ ,  $SD = 0.79$ ), talkative ( $M = 2.21$ ,  $SD = 0.78$ ), selfish ( $M = 2.06$ ,  $SD = 0.81$ ), on the other hand, parents agree that their children interested in playing with smart

devices more than doing their work ( $M = 2.23$ ,  $SD = 0.74$ ), parents agree that there is a poor relationship between their children and others family members ( $M = 2.07$ ,  $SD = 0.86$ ), in addition parents agree that their children fail to finish tasks that they started ( $M = 2.11$ ,  $SD = 0.73$ ), also parents agree that their children denied mistakes they has done, as well as blame others for their mistakes ( $M = 2.09$ ,  $SD = 0.77$ ).

On the other hand, parents disagree that their children use smart phone only for study purpose ( $M = 1.89$ ,  $SD = 0.82$ ), also they disagree that their children seemed to be crazy ( $M = 1.89$ ,  $SD = 0.82$ ), besides they disagree that their children appear violent behavior ( $M$

= 1.94, SD = 0.80), also to be lazy (M = 1.94, SD = 0.81), and begin to destroy home things (M = 1.87, SD = 0.77), finally parents disagree that their children begin to fight with their friends (M = 1.86, SD = 0.71).

**Testing Hypothesis: Parents attention towards children's and children behaviour are significantly different.**

**Table No. 8 Person correlation matrix**

		Parents attention	Children behavior
Parents Attention	Pearson Correlation	1	-.025
	Sig. (2-tailed)		.779
	N	130	130
Children Behavior	Pearson Correlation	-.025	1
	Sig. (2-tailed)	.779	
	N	130	130

As shown in the table above, it is clear that there is no relationship between parents attention and children behaviour, because of the negative and low person value.

**Conclusions:**

1. From the overall mean for parents attention items, I can say that the majority of parents agree that they have a high level of attention on their children regarding to use and play with smart devices.
2. The most common type of children behaviors exist according to

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parents responds are: child begins to be creative, demanding, and considerate, deny mistakes.

3. The most common type of children behaviors not exist according to parents responds are: child seems to be crazy, violent, and lazy, destroy home things and fight with his friends.

4. From the overall mean for children behaviour items, I can say that children's behaviour is not really bad, there is a several benefits that children gain because of using smart devices.

5. There is no relationship between parents attention and children behaviour, this means that whatever parents do in order to control their children behaviour, this will be not useful.

**Recommendations:**

1. Continuously monitoring their children during playing with smart devices.
2. Prepare clear plans to manage free time for their children.
3. Amend any change in their children behaviour fatly.
4. Choosing apps and games that will develop their children abilities.
5. Reduce the hours that the child spends using smart devices.