

Computer Research

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1 Project Division:

1. Making separate blocks for the required questions.
2. Choosing topic of computer usage.
3. Asking questions related to age in order to understand tech usage patterns.
4. Collecting information about different social media platforms from the internet.
5. Questionnaire filling by the people in survey.
6. Generating google form.
7. Filling data in the google form about different tech related sources.
8. Generating reports by using MS Excel.
9. Preparing presentation by using Power Point.
10. Conclude that how much computer usage is common among different age-grouped people.
11. Find out that how computer usage affect peoples' health both mentally and physically.
12. Figure out the peoples' health on the basis of their screening time.

1.1 Table:

	A	B	C	D	E	F	G	H	I	J	K	L
	Serial	Age	Gender	Computer Device	Screen Time	Most Used	Purpose	Short Video	Chatting Apps	Video Games	Watching Entertainment	Working Apps
1	1	48	Male	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
2	2	18	Female	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Adobe Software
3	3	18	Female	Mobile	3 hours	Therapy	Self	Less than 1 hour	Therapy	Therapy	Therapy	3D Modeling/Structuring apps
4	4	18	Female	Mobile	3 hours	Youtube/TikTok	Self	Therapy	Therapy	Therapy	Therapy	Other
5	5	18	Female	Mobile	3 hours	Youtube	Academic Purpose	Less than 1 hour	Therapy	Therapy	Therapy	Other
6	6	18	Male	Mobile	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
7	7	18	Female	Laptop	3 hours	Youtube	Self	Less than 1 hour	Less than 1 hour	Therapy	Therapy	Other
8	8	18	Female	Mobile	3 hours	Instagram	Self	Therapy	Therapy	Less than 1 hour	Less than 1 hour	Other
9	9	28	Male	Mobile	3 hours	Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
10	10	18	Male	Mobile/Laptop	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
11	11	18	Female	Mobile	3 hours	Youtube	Academic Purpose	Less than 1 hour	Therapy	Therapy	Therapy	Microsoft Office
12	12	18	Male	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Less than 1 hour	Therapy	Other
13	13	18	Male	Laptop	3 hours	Youtube	Non Academic Purpose	Therapy	Therapy	Therapy	Therapy	3D Modeling/Structuring apps
14	14	18	Female	Laptop	3 hours	Youtube	Academic Purpose	Less than 1 hour	Therapy	Therapy	Therapy	Other
15	15	18	Female	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Less than 1 hour	Therapy	Other
16	16	28	Male	Mobile/Laptop	3 hours	Youtube/Instagram/Facebook/News apps	Self	Therapy	Therapy	Less than 1 hour	Therapy	Other
17	17	18	Male	Mobile/Smartwatch/Laptop	3 hours	LinkedIn/YouTube/Instagram/News apps	Academic Purpose	Less than 1 hour	Therapy	Therapy	Less than 1 hour	Adobe Software/Microsoft Office/Coding IDEs
18	18	18	Female	Mobile	3 hours	Instagram	Academic Purpose	Less than 1 hour	Less than 1 hour	Therapy	Therapy	Other
19	19	24	Female	Mobile	3 hours	Youtube	Academic Purpose	Less than 1 hour	Therapy	Therapy	Therapy	Other
20	20	18	Female	Mobile	3 hours	Youtube/Other	Self	Therapy	Therapy	Therapy	Therapy	Other
21	21	24	Male	Mobile/Laptop	3 hours	Youtube	Academic Purpose	Less than 1 hour	Therapy	Therapy	Therapy	Other
22	22	37	Female	Mobile	3 hours	Instagram	Self	Less than 1 hour	Therapy	Therapy	Therapy	Other
23	23	18	Male	Mobile/Laptop	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
24	24	18	Male	Mobile/Laptop	3 hours	LinkedIn/YouTube/Instagram/News apps/TikTok	Self	Therapy	Therapy	Less than 1 hour	Therapy	Other
25	25	24	Female	Mobile/Laptop/TikTok	3 hours	Youtube/Instagram/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
26	26	22	Female	Mobile	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
27	27	18	Female	Mobile	3 hours	Instagram	Non Academic Purpose	Less than 1 hour	Therapy	Therapy	Therapy	Microsoft Office
28	28	18	Female	Mobile	3 hours	TikTok	Self	Therapy	Therapy	Therapy	Therapy	Other
29	29	28	Male	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
30	30	23	Female	Mobile	3 hours	Instagram	Self	Therapy	Therapy	Therapy	Therapy	Other
31	31	18	Female	Mobile/Laptop/TikTok	3 hours	Youtube/Other	Self	Less than 1 hour	Therapy	Therapy	Therapy	Adobe Software/Other
32	32	18	Female	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
33	33	18	Female	Mobile	3 hours	Instagram	Self	Less than 1 hour	Therapy	Therapy	Therapy	Other
34	34	37	Male	Mobile/Smartwatch/Laptop	3 hours	Youtube/Other	Academic Purpose	Therapy	Therapy	Therapy	Therapy	Other
35	35	18	Female	Smartwatch	3 hours	Youtube/TikTok	Self	Therapy	Therapy	Therapy	Therapy	Other
36	36	24	Male	Mobile	3 hours	Youtube/Instagram/TikTok/Facebook/News apps	Academic Purpose	Therapy	Therapy	Therapy	Therapy	Other
37	37	18	Female	Mobile	3 hours	TikTok	Self	Therapy	Therapy	Therapy	Therapy	Other
38	38	18	Female	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
39	39	18	Male	Mobile	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Less than 1 hour	Therapy	Other
40	40	18	Female	Mobile	3 hours	Instagram	Academic Purpose	Therapy	Therapy	Therapy	Therapy	Other
41	41	18	Female	Mobile	3 hours	Instagram	Self	Therapy	Therapy	Therapy	Therapy	Other
42	42	18	Female	Mobile	3 hours	Instagram/Instagram	Self	Therapy	Therapy	Therapy	Therapy	Other
43	43	18	Female	Mobile	3 hours	TikTok/Facebook/Other	Self	Therapy	Therapy	Therapy	Therapy	Other
44	44	18	Female	Mobile	3 hours	TikTok/Facebook/Other	Self	Therapy	Therapy	Therapy	Therapy	Other
45	45	18	Male	Mobile	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
46	46	18	Female	TikTok	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
47	47	18	Female	Smartwatch	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
48	48	24	Male	Mobile/Smartwatch	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
49	49	18	Male	Mobile/Smartwatch	3 hours	Youtube/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
50	50	18	Male	Mobile	3 hours	Instagram	Self	Therapy	Therapy	Therapy	Therapy	Other
51	51	23	Male	Mobile	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Less than 1 hour	Therapy	Other
52	52	18	Female	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
53	53	18	Female	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
54	54	18	Female	Mobile	3 hours	Youtube/TikTok	Self	Therapy	Therapy	Therapy	Therapy	Other
55	55	18	Male	Mobile/Laptop	3 hours	Youtube/Instagram/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
56	56	18	Female	Smartwatch	3 hours	Therapy	Self	Less than 1 hour	Therapy	Therapy	Therapy	Other
57	57	18	Male	Mobile/Laptop	3 hours	Youtube/Instagram/TikTok/Facebook/News apps	Self	Therapy	Therapy	Therapy	Therapy	Other
58	58	18	Female	Mobile	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
59	59	18	Female	Mobile	3 hours	Therapy	Self	Therapy	Therapy	Therapy	Therapy	Other
60	60	18	Female	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
61	61	21	Female	Mobile	3 hours	Facebook	Non Academic Purpose	Therapy	Therapy	Therapy	Therapy	Other
62	62	18	Female	Mobile	3 hours	Facebook	Non Academic Purpose	Therapy	Therapy	Therapy	Therapy	Other
63	63	18	Female	Mobile/Smartwatch	3 hours	Youtube/Instagram/Instagram/TikTok/Other	Self	Less than 1 hour	Therapy	Therapy	Therapy	Adobe Software/Microsoft Office/3D Modeling/Structuring apps
64	64	18	Male	Mobile/Laptop/TikTok	3 hours	Youtube/Instagram/Instagram	Self	Therapy	Therapy	Therapy	Therapy	Other
65	65	18	Female	Mobile/Smartwatch/Laptop	3 hours	Youtube/Instagram/Instagram/TikTok/Other	Self	Therapy	Therapy	Therapy	Therapy	Microsoft Office
66	66	18	Male	Mobile/Smartwatch/Laptop	3 hours	LinkedIn/YouTube/Instagram/Other	Self	Less than 1 hour	Therapy	Therapy	Therapy	Adobe Software/Microsoft Office/3D Modeling/Structuring apps
67	67	18	Female	Laptop	3 hours	Youtube	Academic Purpose	Therapy	Therapy	Therapy	Therapy	Microsoft Office
68	68	18	Female	Mobile	3 hours	TikTok	Academic Purpose	Therapy	Therapy	Therapy	Therapy	Microsoft Office
69	69	23	Male	Mobile/Laptop	3 hours	Youtube/Instagram/TikTok/Facebook/News apps	Self	Therapy	Therapy	Less than 1 hour	Therapy	Other
70	70	18	Female	Mobile	3 hours	Youtube/Instagram/Instagram/News apps	Self	Therapy	Therapy	Therapy	Therapy	Microsoft Office
71	71	24	Female	Mobile/Laptop	3 hours	Instagram/Twitter/Other	Self	Therapy	Therapy	Therapy	Therapy	Other
72	72	27	Male	Mobile/Laptop	3 hours	Youtube/Instagram/TikTok/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
73	73	18	Female	Mobile	3 hours	Therapy	Self	Therapy	Therapy	Therapy	Therapy	Other
74	74	18	Male	Mobile	3 hours	Therapy	Self	Therapy	Therapy	Therapy	Therapy	Coding IDEs
75	75	18	Female	Mobile	3 hours	Youtube	Self	Therapy	Therapy	Therapy	Therapy	Other
76	76	18	Female	Smartwatch	3 hours	Youtube/Instagram/TikTok/Facebook	Non Academic Purpose	Therapy	Therapy	Therapy	Therapy	Other
77	77	18	Female	Mobile/Smartwatch/Laptop	3 hours	Youtube	Academic Purpose	Therapy	Therapy	Therapy	Therapy	Microsoft Office
78	78	18	Male	Laptop	3 hours	Youtube	Self	Less than 1 hour	Therapy	Therapy	Therapy	Other
79	79	18	Male	Mobile	3 hours	Youtube/Instagram/Facebook	Self	Less than 1 hour	Therapy	Therapy	Therapy	Other
80	80	18	Female	Laptop	3 hours	Youtube	Academic Purpose	Therapy	Therapy	Therapy	Therapy	Other
81	81	18	Female	Mobile	3 hours	Youtube/Other	Self	Less than 1 hour	Therapy	Therapy	Therapy	Other
82	82	18	Female	Laptop	3 hours	Youtube/Facebook	Self	Therapy	Therapy	Therapy	Therapy	Other
83	83	18	Male	Mobile/Laptop	3 hours	Youtube/Instagram	Self	Less than 1 hour	Therapy	Therapy	Therapy	Adobe Software/Microsoft Office
84	84	18	Female	Mobile/Laptop/TikTok	3 hours	TikTok	Self	Therapy	Therapy	Therapy	Therapy	Other
85	85	18	Female	Mobile	3 hours	Instagram	Self	Therapy	Therapy	Therapy	Therapy	Microsoft Office

1.2 Department Selection:

We have selected the department of Computer Science.



1.3 Reason:

We have chosen to collaborate with Science department for the purpose of conducting our survey on matters pertaining to the field of computing.

1.4 Collection of Technology Related Information:

- As a Computer Science students our first source of getting idea is internet.
- As a young generation of 20th century, we are quite familiar with computer, mobiles, laptops and their usage.
- In addition, in this era almost all people are quite familiar with the AI tools which provide information almost about all topics such as ChatGPT etc.
- Moreover, we consult with our colleague students in this regard and get information from them.

1.5 Questionnaire Filling:

- We adopted divide and rule policy and split our group into two parts.
- First group had authority letter to convey survey form to all teachers and the other students of UET and convinced them to fill the form.
- And second group had responsibility to send this form to other people out of UET and convinced them to fill it.
- We also sent this form to our Whatsapp Groups to get enough data.
- Our class fellows were very cooperative.
- We also convinced our seniors to fill it.

1.6 Making Google Form:

- As we haven't did any survey so we did not know how to create google form.
- For this purpose, we searched YOUTUBE and saw many tutorials.
- <https://www.google.com/forms/about>.
- <https://docs.google.com/forms/d/1fJUc3k8QurU6JWHYOyPBZsmUs0Eh74gJPnP5SEv6Hf8/edit>
- After that we create our own google survey form.

1.7 Data Approach:

- We use email as it is used in the google form for the validation of data.
- We put forward the age option for the specification of teenagers and elderly persons.
- Then we ask about gender in order to identify male and female in our survey.
- We inquired about computer devices so that we conclude that which tech devices are more used by people.
- We put forward the screening time option to figure out peoples' interest in different social media platforms.
- Moreover, we put a question about their health and fitness with and without these computer devices and internet.
- We also interrogate people to share their remarks how these computing devices affect their academic and non-academic activities.

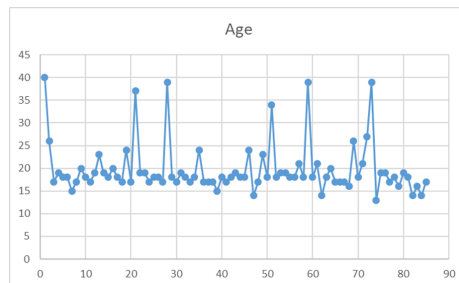
1.8 Consultation with Seniors:

Here we want to mention our respective seniors. They guide us properly about the formation of google form and to get survey from the people all over the UET. They also give very useful tips about presentation.

- Khushbakht 2022-CS
- Rafia Sattar 2022-CS
- Jaweria 2022-CS
- Waleed Sarfraz 2022-CS
- Afeera 2022-CS
- Amina 2022-CS

2 Data Analysis by using MS Excel Report:

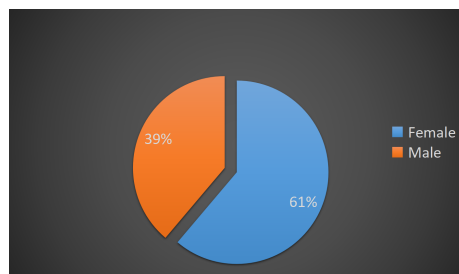
2.1 What is your age?



This graph shows that most of the respondents are in the range of 15-25 years age. This proves that Majority of the people who are using computer devices are mostly youngsters.

2.2 What is your gender?

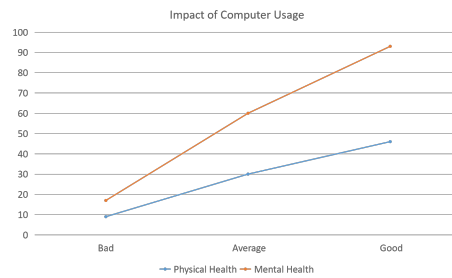
- Male
- Female



According to the gender analysis our majority questionnaire is filled by female that of 61 percentage and male are of 39 percent.

2.3 What computer devices do you use?

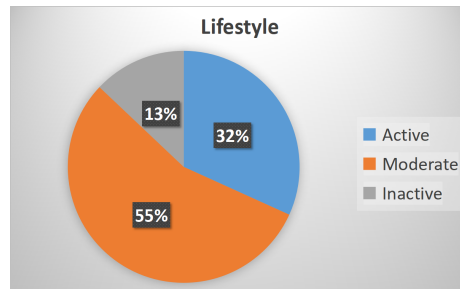
- Mobile
- Desktop
- Laptop
- Tablet



This graph depicts that most of the respondents are using mobiles that's percentage is about 70 percent. Only a few are using tablets which is around 5 percent. This graph also evaluates that laptops are being used by mostly engineering students and its percentage is around 25 percent. Some users use desktop which percentage is around 10 percent.

2.4 What is your average day's screen time?

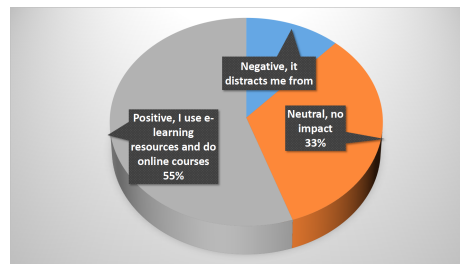
- less than 1 hour
- 1 hour +
- 3 hours +
- 5 hours +
- 8 hours +
- 10 hours +



This graph evaluates that majority of the respondents having the screen time is about 3-4 hours. There are some users whose screen timing is less than 1 hour.

2.5 In a month, how many days do you think you feel productive ?

- 1-3
- 4-9
- 10-18
- 19-30

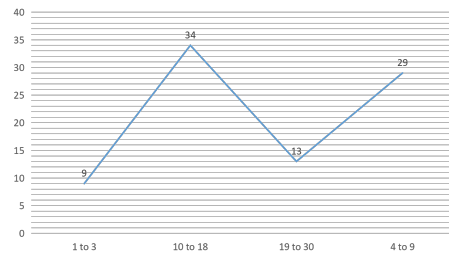


This graph predicts that most of the people feel productive during 10-18 and their count rate is about 34. Some users feel productive during 19-30 and their count rate is about 13. And 9 people feel productive during 1-3.

2.6 Rate your physical health out of 10.

- 1
- 2
- 3
- 4

- 5
- 6
- 7
- 8
- 9
- 10



This graph depicts physical health and mental health. Blue line shows physical health and orange line depicts mental health. And it depicts that peoples' mental health is better than their physical health.

2.7 Rate your mental health out of 10.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

2.8 Rate computer's role in your skills development and academic learning.

- Negative, it distracts me from studying
- Neutral, no impact
- Positive, I use e-learning resources and do online courses.

