

MODERN WAYS OF SYSTEM CONTROL

1. Modify the following texts so that the statements are true (choose the correct word from brackets).

A resistive touchscreen consists of $\binom{\text{several}}{\text{only two}}$ layers, out of which the flexible plastic and glass layers are two important electrically $\binom{\text{resistive}}{\text{conductive}}$ layers.

A capacitive touchscreen also consists of $\binom{many\ spaced}{two\ spaced}$ layers of glass, which are coated with $\binom{conductor}{resistor}$ such as Indium Tin Oxide.

Z .	write the gesture	types	based on	tne no	otion of	motion

1.					

- 2.
- 3.

3. Choose two main approaches used in Recommendation System scheme:

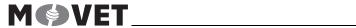
linear	regression

- □ content-based
- □ random recommendation
- □ collaborative filtering

4. Write at least three applications using gesture control (except TV control):

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.





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5.	Which are the technologi	es used in BCI solutio	ns?				
	transcranial magnetic stimulation						
	electrocardiography						
	electroencephalography						
	electrooculography						
	electromyography						
6.	What statements regardi	ng eye tracking are tr	ue?				
	can be used for mouse navigation						
	solutions for HMD (head mounted displays) are not yet available						
	there exist mobile binocular solutions						
	eye tracker can be mounted below screen/monitor						
7.	Complete the paragraph	with correct words					
In a	a microphone, a	reacts to	waves with vibration, which is				
converted into		_ signal. In a	microphone, a diaphragm serves as				
one	e of the condenser plates. T	his microphone	power source. A dynamic				
mic	crophone uses	_ inside a coil to produc	inside a coil to produce electrical current when the membrane				
mo	ves Such microphone	external power source					

