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SAP ID - 60004200049

Computer Engineering

Experiment - 9 :-

Aim - Case study on evolution of smart device

Theory

Smart device designed to connect to internet and can perform a wide range of functions such as communications, entertainment and automation. The history of smart devices can be traced back to early days of computing when concept of personal computing was introduced.

Every smart devices were early designed to be portable and had limited functionalities. For example, the early smartphones of blackberry. They could store personal information such as contacts, notes and appointments as well as email services.

Today smart devices are more powerful, have larger and higher resolution screens, longer battery life and can perform a wide range of functions. Newer smart devices include smartwatches, fitness trackers and smart home devices. These wearables are able to monitor vital signs and provide notifications, smart home devices such as thermostats, door locks and lights can be controlled remotely through a smartphone or voice command.

Smart devices have revolutionized the way we communicate work and interact with the world with the increasing availability of high-speed internet connectivity allowing remote work becoming a reality smart home automation reduces energy consumption and making homes more secure. Concerns over privacy, security and addiction still remain.

Future is integrating AI and IOT to create a new generation of smart devices that are even more powerful and inter-connected. AI enables smart devices to learn from user behaviour and adapt to their problems and preferences. The IOT will connect different devices, allowing for seamless communication and data sharing.

Conclusion :-

The evolution of smart devices has been significant over past few decades, from early days of PDA to current era of wearable and smart home automation. It is important to consider the potential benefits and risks associated with smart device usage and to make informed decision about how to integrate them into our daily life.