- Q.2) Submit a suggest on the destabled study of comparison between web sockets and web RTC.
- 1011-duplex commercication channels over a Engle TCP connection.

 The WebSocket is designed to work over HTTP part to and 443, honce making it compatible with the HTTP protocol. Host thousess Leepport the WebSocket protocol, including Google Chrome, Firefox, etc. Basically, WebSockets are a bidirectional mechanism for browser communication. It is used to send sensolicited messages from the server to the dient (solich HTTP cannot perform). It is generally sumplemented by using the WebSocker API in development.

Web RTC (Or Web Real Time Communication) is a set of protocols and APIs that enable real time communication over peer-to-peer connection. WebRTC uses red time protocols to transfer violeo and audio over peer connection. Web RTC is open source and is supported on Chrome, Firefox, etc.

Basically, Web RTC enables and indus communication to work in the web pages. They works with out plugion.

Also, Web RTC allows access to devices of deflerent varioties. It allows the access of the laptop microphone, camera, or screen - all in Ireal time.

Web RIC is not gust limited to audio I video — it allows sending of any arbitrary data.

- * WebSockets vs WebRTC
- Web RTC how no signalling channel, to the client or server. When starting a Web RTC session, the connection to the client/server is not managed by the Wob RTC. Instead, in a brower, it is esseably done by Web Socket or tTTP.

 Hence, in a way, Web Sockets complement Web RTC.
- 2. Web RTC and WebSockers we different protocols in the transport layer. While Web RTC works with UDP, Websockers work with TCP. Hence, Websockers designed for reliable communicateion.
- 3. While both WobSockers and WebRTC allow full-deplox communical cation, WebSockers allow it over between a brown and a wab server [client-and-server], and WebRTC allows it between two browners [per-to-per].
- Duel to the different build in the architecture of WebRTC and WebSockets WebSockets are such in differing scenarios. WebSockets are such for sport explains, financial tickers, multiplayer games, etc. while WebRTC are used in real-time markating and advertising, social naturaling, etc.
- 5. Web RTC is designed for ligh-performance, ligh quality Communication of video, audio, and as bitrary data. Web Sockass are designed for bit destroyed communication between client and sever.

 Streaming AV content on Web Sockass is not as efficient as doing the same on Web RTC.

MeloSochedi can be very efficient it application requires trequent meroges, such as notification systems. Workic is useful in applications solve high volume of data in transfluted and reliability is a secondary concern and lew frames can be sacrificed in favour of surpouse time and delivering something.