DATA TRANSFER THROUGH BODY

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INTRODUCTION

- The Computer Revolutionized the Way, We Share Data.

- It gave us the Power to Connect with Different People around the World and Share the Data on a Common Platform Called the Cloud.

- So for CLOUD, Look For an Internet Connection To Upload it Over Cloud and Then Get it Into Another Computer, Or He Can Plug a Pen Drive Into One and Connect it To Another Computer and Transfer The File, But Then He need To Take care Of That PEN-DRIVE Like a Child, Because Of the Sensitive Information Stored on That Pen Drive.

- Here, Our Project Comes Into Existence.

WHAT IS OUR PROJECT ?

- With This Project, a Person Can Transfer Data from a Computer to Another Computer, Without the Use of Any Internet or Pen Drive or Any Physical Cable.

- The Medium That is Used in This Data Transfer is Our Body.

- Our Body Helps Us to Transfer Our Data in The form Of Electrical Impulses from One Computer to another Computer Through the use Of This Project.

HOW IT WORKS ?

- It Uses 2 Touch Pads on Both the Computer which are Attached to the Computer through the USB.

- A Software needs to be there on Both the Computers.

- We Need to Select the COM-Port to Which the USB is Connected and Check whether its Ready to Transfer Data
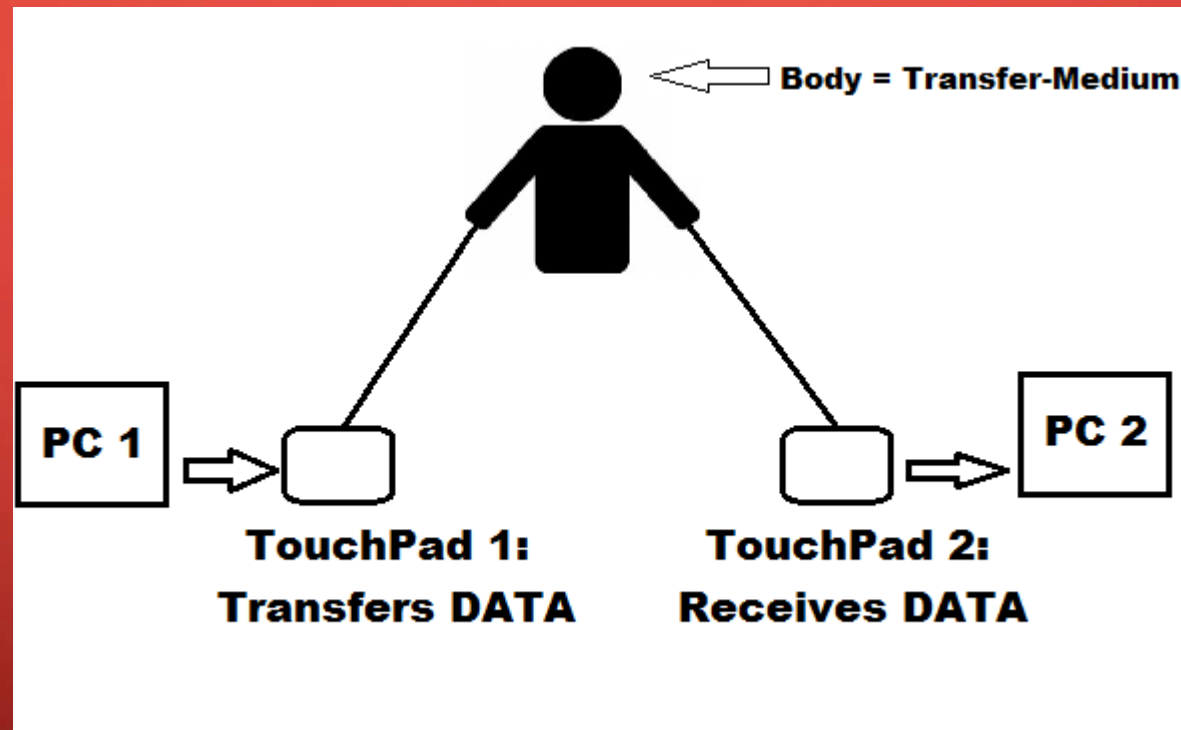
 Once Ready, We need to place our One Hand On, One of the 2 Touch Pads of The Device and the Other Hand on The second Pad and Click on Transfer.

  The Data will be transferred to the Other Computer. Without any use of Wires, Or a Cloud Account .

HOW IT WORKS ?

- This Can Help in Speeding Up the Process of Data Transfer, and Also Create a Safer Alternative For Transferring Data without any Interventions.

- Without causing any Harm to Our Body as Our Body is a Great Conductor to Electricity. And Only a mere 5V of Current is Passed Throughout the Process.

BLOCK DIAGRAM

REQUIREMENTS

- Hardware:
  - USB TTL
  - LM 358
  - Step Down Transformer
  - Voltage Regulator.

PROBLEM STATEMENT

- The Data can be Transferred using Cables or Wireless Network but Many Difficulties are Faced. Hence, This Project Comes into Existence, We can Transfer the Data Without Any Cables or Internet Connection Physically Through our Body with the Help of this Project.

EXISTING SYSTEM

- As we have gone through many research papers, we have concluded that still many research are going on in this field of data transfer.

- It is not yet implemented on a large scale, if ever such thing happens it would be a great revolution towards Data transfer.

PROPOSED SYSTEM

- In today's fast moving world ,it is really complicated to carry cables, USB, pendrive, etc

- Also as the use of internet is increasing day by day the transmission of data over internet is not secured.

- Thus , the proposed project solves these problems.

- As it involves human body for transmission of data.

APPLICATIONS

- Transfering very private data from one device to another in secure way.

- For military purposes to transfer confidential data.

- Transferring data in nearby places at high speed.

CONCLUSION

- Hence, We Concluded that the Project is very Beneficial for Transfering the Data with the help of Human Body which is Available as and When Required Rather than Carrying Cables, Pendrive, Etc. Also it Provides Security as Human Body is the Most Secure Medium.

REFERENCE PAPERS:

- International Journal of Research in Computer and Communication Technology: "Mobile to mobile data transfer through human area network",

  IJRCCT By Miss Dhanshree Hinge, Dr S D Savarkar.

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  By Mrs H D Shinde.