RFID & Mobile Fusion for Authenticated ATM Transaction

Abstract

One technical innovation can provide solution to diverse problems. Money has become plastic these days. The introduction of utility cards, mobile banking and internet banking has revolutionized the way we deal with money. The sophistication they bring into one’s life is commendable. They make our work convenient. But there lies a potential problem, security. The thrust area is that every transaction of the account should be done with the consent of the customer or account holder. This is possible through the wide spread mobile phone technology. Here mobile phone acts as the interactive medium between account holder and bank. Ones hard earned money should not go into the hands of unworthy persons. This noble theme helped us to think of the innovation—“RFID & Mobile Fusion for Authenticated ATM Transaction”. The implementation of this takes the help of RFID card, RFID reader housed in ATM, PC, MICRO CONTROLLER, mobile network and software like AT commands, Keil and matlab.

Reference

- Vinay S, Niha Noor Shaikh and Sridhar Aithal, Design of a Smart Stick Prototype Using Goal Oriented Requirements Engineering Methodology International Journal of Computer Applications (0975 - 8887) Volume 1 – No. 29 Jan 2010

Index Terms

Computer Science Security
### Key words

<table>
<thead>
<tr>
<th>ATM</th>
<th>PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>µC</td>
<td></td>
</tr>
<tr>
<td>Mobile networks</td>
<td></td>
</tr>
<tr>
<td>AT commands</td>
<td></td>
</tr>
<tr>
<td>Keil</td>
<td></td>
</tr>
<tr>
<td>MATLAB</td>
<td></td>
</tr>
</tbody>
</table>