

## **Small Scale Cashless Transaction (SSCaT)**

Naveen Kumar B V, Sumitha P, Uma Rani, Vivek B G

*Rajiv Gandhi Institute of Technology, Hebbal, Bangalore 560032.*

Small Scale Cashless Transaction (SSCaT) is intended to revolutionise day to day shopping experience; or “transaction methodology” in the broad spectrum. Technological advancement has provided easy access to the use of mobile phone to everyone; however, the age-old method of transaction through cash has remained. The era of Credit Cards & Swipe machines has eliminated the need to carry cash to complete a transaction, especially bigger ones. SSCaT mimics this principle to complete a transaction, but on a smaller scale through the use of mobile phone – a gadget everyone ought to be having these days.

A SSCaT begins with a customer approaching a retailer for a commodity. The customer purchases the required commodity & sends a ‘purchase’ request to the service provider.

The service provider deducts the amount from the customer’s SSCaT account and credits the same to the retailer’s account. The service provider acknowledges the transaction and sends the acknowledgement to the customer and the retailer. Security is offered to the customer with the help of a PIN which has to be entered while sending a ‘purchase’ request.

Customer regularly recharges his SSCaT account, or withdraws cash at select outlets. Considering the need for rapid implementation which can be accommodated within the domain of current technology, SSCaT account can be limited to a certain amount, say, a three-digit figure, and can be treated as being similar to prepaid recharge and deductions.

For this project, the major role is played by the service provider. As a final year project, considering the need to use our expertise, we intend to create & develop a dummy service provider which handles all the transactions.

