A

Technical Seminar

On

**SMART CARD-ID**

(Submitted in partial fulfillment of the requirements for the award of Degree)

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

By

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(Assistant Professor)

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**CMR TECHNICAL CAMPUS UGC AUTONOMOUS**

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# ABSTRACT:

In today’s world carrying a number of plastic smart cards to establish our identity has become an integral segment of our routine lives. Identity establishment necessitates a pre stored readily available data about self and to the administrator to authenticate it with claimer’s personal information. There is a distinct requirement of a technological solution for nationwide multipurpose identity for any citizen across the board. Number of options has been exercised by various countries and every option has its own pros and cons. However, it has been observed that in most of the cases Smart Card solution has been preferred by a user and administrator both. The use of Smart cards are so prevalent that be it any profession, without incorporating its application, identity of any individual is hardly considered complete.

In this paper, the principle aim is to discuss the viability of Smart Card technology as an identity solution and its ability to perform various functions with strong access control that increases the reliability of Smart Cards over other technologies. It outlines the overview of smart card technology along with its key applications. Security concerns of smart card have been discussed through an algorithm with the help of a division integer proposition. Possibilities of upgrading it with evolving technology offer it as a universal acceptability of identification. Capability of storing desired amount of information by an administrator to compute multiple operations to authenticate a citizen dictates its widening acceptability and an endeavor has been made in this paper to explain it through a proposed system flow chart.