ABSTRACT

Maintenance of good health is an art and efficacy of a person to lead a good quality life in the present day high tech world. Financial component comes in the way for its maintenance. Therefore, many possible ways are explore and are in practice and thus well planned judicious by the patient deals with the money component, health provider and the insurance tackles this problem is in practice. Therefore, the utmost importance due to health care attracts great attention every one irrespective of their age, gender, creed and nationality. The health practice a vital component that requires attention for optimal planning to deal with it at appropriate timings and periods. Health insurance a vital supporter extends possible financial and allied assistance by intervening among patient, health provider and hospital by way of implementing the policy transactions which were already in practice, Insurance people act efficiently in a swift time which provides multidirectional help and support using available Information Technology. A previous and comprehensive healthcare document is a critical entity to the personal who are on demand for healthcare from physician and hospitals. Therefore, it is very important to have a reliable, confidential and optimal relationship among client, doctor and the treating institution along with the policy providing insurance person among various policies difficult to choose appropriate policy for an individual and group policies of health insurance and to achieve a good quality economic oriented healthcare. It is important to maintain privacy, confidentiality and reliable with the help of recent modern computing methods and provisions.

E-Health Insurance which uses information technology to deliver services to take and assist the user to take appropriate decision in the Secure E-health insurance decision making protocols. E-health insurance comes under single umbrella as web portal and in a secured way. As the data is shared online between different clients like Insurer, Hospital management and insurance companies for various purposes data availability to clients also differs where some fields of data is shown or secured. In searching for above solutions We have proposed a Secure Decision making protocols for health insurance which uses Selective Secure Field RSA (S²FRSA) algorithm allowing specific fields to be secured and the others are visible to clients depending upon their usage or exchange of data. In the competitive market a third party should
protect clients interests by not disclosing useful information like personal data or his decisions regarding his selection of hospital, insurance policy or company etc. We have developed protocols of Multi-Attribute Secure Decision Making Algorithm (MASDMA) which makes decisions on multiple attributes of clients data and in encrypted way using S²FRSA. The proposed protocols are used in exchange of data between clients in E-Health Insurance web portal or third party insurance service provider which is implemented in Java based technologies in the present study by providing security provisions like Photo Identity card with some of fields encrypted and hidden in it.