Detecting Intrusion and Designing of CCRX Dynamic Encryption Algorithm of a Network System

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In today’s world, security of network system is an important research area. As size of data is increasing exponentially, protection of the same is getting more and more importance. Day by day, difficult security mechanism is being applied for protecting the system from cryptanalyst. In spite of the fact, security is broken by undesired users in many cases. Our paper is focused to apply a hybrid encryption algorithm for transferring data. Learning mechanism is applied to detect intruders while data is in transmission. Once, intruder is detected or suspected, dynamic encryption algorithm is applied to protect future data in the following secured connections.

**Keywords**: Cryptanalyst, Dynamic Encryption Algorithm, Learning.

**REFERENCES**


Dr. Nandita Sengupta is currently Assistant Professor, University College of Bahrain, Bahrain. She obtained her Bachelor of Engineering, Masters Degree and Ph.D in Engineering, Computer Science and Technology from Bengal Engineering and Science University Shibpur. She has 23 years of working experience. 11 years she dedicated in design department of Electrical Manufacturing Company Limited. Last 12 years she is in academics and taught various subjects of IT. Her area of interest is Analysis of Algorithm, Theory of Computation, Soft Computing Techniques, Network Computing. She achieved "Amity Best Young Faulty Award" on the occasion of 9th International Business Horizon INBUSH 2007 by Amity International Business School, Noida in February, 2007. She has around 21 publications in National and International conference and journals.

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