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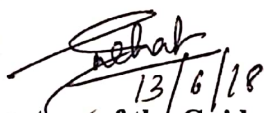
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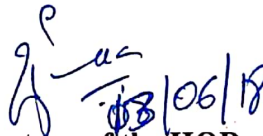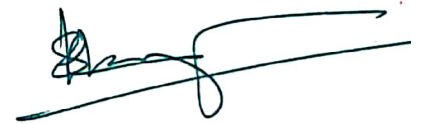# Department of Computer Science and Engineering

Certificate

Certified that the Project Work entitled **"A SYSTEMATIC APPROACH TOWARD DESCRIPTION AND CLASSIFICATION OF CYBERCRIME INCIDENT"** carried out by GIRISH G (1SG15CS404), PUNEETH B (1SG15CS413), VIKRAM N (1SG15CS425), PREMKUMAR R (1SG14CS082), bonafide students of **Sapthagiri College of Engineering**, in partial fulfillment for the award of **Bachelor of Engineering** in **Computer Science and Engineering** of Visvesvaraya Technological University, Belagavi during the academic year 2017-2018. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of **Project Work (10CS85)** prescribed for the said degree.

Signature of the Guide   Signature of the HOD   Signature of the Principal

Prof. Sneha G   Dr. Yogish H K   Dr. K L Shivabasappa

Asst. Professor   Professor & Head   Principal

Professor & Head of the Department
Computer Science Engineering Sapthagiri College of Engineering
EXTERNAL EXAMINATION: Sapthagiri College of Engineering Chikkasandra, Hesaraghatta Road
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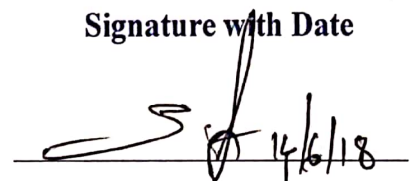
Name of the Examiners   **Signature with Date**

1. J.Suriya Prakash

2. _____

ABSTRACT

The advancements in computer systems and networks have created a new environment for criminal acts, widely known as cybercrime. Cybercrime incidents are occurrences of particular criminal offences that pose a serious threat to the global economy, safety, and well-being of society. This paper offers a comprehensive understanding of cybercrime incidents and their corresponding offences combining a series of approaches reported in relevant literature. Initially, this paper reviews and identifies the features of cybercrime incidents, their respective elements and proposes a combinatorial incident description schema. The schema provides the opportunity to systematically combine various elements—or cybercrime characteristics. Additionally, a comprehensive list of cybercrime-related offences is put forward.

The offences are ordered in a two-level classification system based on specific criteria to assist in better classification and correlation of their respective incidents. This enables a thorough understanding of the repeating and underlying criminal activities. The proposed system can serve as a common reference overtaking obstacles deriving from misconceptions for cybercrimes with cross-border activities. The proposed schema can be extended with a list of recommended actions, corresponding measures and effective policies that match with the offence type and subsequently with a particular incident. This matching will enable better monitoring, handling and moderate cybercrime incident occurrences. The ultimate objective is to incorporate the schema-based description of cybercrime elements to a complete incident management system with standard operating procedures and protocols.