

PROCEEDINGS

NATIONAL CONFERENCE ON INNOVATIVE TECHNOLOGIES & ADVANCED COMPUTING

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Organized by :
PG Department of Computer Applications



Fatima College (Autonomous)

(College with Potential for Excellence)

(Re-Accredited with A-Grade by NAAC)

Madurai-18.

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**NATIONAL CONFERENCE ON
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AND ADVANCED COMPUTING**

NCITAC'15

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23. IMPACT ANALYSIS OF REAL TIME DDOS ATTACK DETECTION AND MITIGATION USING MACHINE LEARNING – G.PREETHA

Assistant Professor, Dept. of Computer Applications, Fatima College, Madurai.

Abstract— Distributed Denial of service (DDoS) attacks is the most devastating attack which tampers the normal functionality of critical services in internet community. DDoS cyber weapon is highly motivated by several aspects including hactivitism, personal revenge, anti-government force, disgruntled employers/customers, ideological and political cause, cyber espionage and so on. IP spoofing is the powerful technique used by attackers to disrupt the availability of services in the internet network by impersonating as a trusted source. Since the spoofed traffic shares the same resources as that of the legitimate one's detection and filtering becomes very essential. The proposed model consists of online monitoring system (OMS), spoofed traffic detection module and interface based rate limiting (IBRL) algorithm. OMS provides DDoS impact