INDUSTRIAL TRAINING REPORT

ON

SEMANTIC SCANNER & SEVERITY CHECKER

A report submitted in partial fulfilment of the requirement for the award of

The degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

Submitted By: -

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DECLARATION

I hereby certify that the work, which is being presented in the project report, **Semantic Scanner & Severity Checker**, in partial fulfilment of the requirement for the award of the Degree of **Bachelor of Technology** and submitted to the institution is an authentic record of my own work carried out during the period *from 20/05/2019* to *10/07/2019* under the supervision of **Dr. Santanu Chatterjee,** Scientist, Directorate of Information & Communications Technology, Research Centre Imarat, DRDO, Ministry of Defence, Govt of India

Date: **Signature of the Candidate**

Signature of Internal faculty Supervisor

ACKNOWLEDGEMENT

The success and final outcome of this project required a lot of guidance and assistance. We are extremely privileged to have got this all along the completion of our project. All that we have done is only due to such supervision and we would not forget to thank them.

We owe our deep gratitude to our project guide **Dr. Santanu Chatterjee,** Scientist, Directorate of Information & Communications Technology, Research Centre Imarat, DRDO, Ministry of Defence, Govt of India, who took keen interest on our project work and guided us all along, till the completion of our project work by providing all the necessary information for developing a good system.

We are thankful to and fortunate enough to get constant encouragement, support and guidance from all scientists who helped us in successfully completing our project work. Also, we would like to extend our sincere esteems to all the technical staff for their timely support. We once again sincerely thanks all those who have helped us directly and indirectly during my project work.

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ABSTRACT

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Semantic Scanner & Severity Checker is an application, which allows an organization or an individual to secure its sensitive data from getting vulnerable to third party access & its use. It also performs side by side scanning of all files that are transferable and provide a severity threat label.

If the severity is critical then the report and file is directly transferred to the risk analyzing committee of an organization to dual check and send final response. Responses are trained side by side and datasets are generated, which can be used for direct final approval.

Its main functioning begins when someone tries to transfer critical files to other third-party organization or individuals. And basic scanning and severity labeling process works in background. Also, it is used to structured and label unstructured data by assigning severity to it.

It can be helpful for incident response team for analysis and further investigation for compromised data of an organization.

Mainly it is designed for data security and surveillance for an organization. Our product act as a security intelligence system, which can used by defense services and private organization to safe guard their data from being vulnerable to third party access and use.

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