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**INFORMATICS INSTITUTE OF TECHNOLOGY**

**In Collaboration with**

**UNIVERSITY OF WESTMINSTER (UOW)**

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**Final Report**

For

**IDValidator**

By

Student No: - **2013503**

Student Name: - **Sivaraj Kavineshwaran**

Supervised By

Supervisor Name: - **Mrs. Janani Harishchandra**

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## **Abstract**

National Identity Card (NIC) is a must and a right to own for all of the people who are born in SriLanka and aged more than age 16. NIC cannot be neglected since a the activities within SriLanka requires NIC regardless of a literate or illiterate person .The content of the identity card is always written or typed using Sinhala and Tamil languages. Because of this, the people who do not know Sinhala cannot read the contents written in Sinhala in the NIC.

Even though SriLanka is a developing country, still having a huge language barrier, because the main language used in the country is not popularly known to foreigners. Even inside the country, other nationality people cannot understand Sinhala. Other than that, the old identity card have handwritten details which is difficult to read without using any tool and this is a time consuming thing to in everyday life. To overcome this difficulty, the details in Sinhala in National Identity cards should be able to read in a common language, which will be helpful to the people who cannot understand Sinhala in order to archive this task the Technology of Optical character recognizing (OCR) is been implemented in this project which is a way to recognize characters of printed media or written media through optically. As an outcome of this project is a system which read the printed or written characters in the NIC cards and unable user to read them in another language

### ***Keywords***

Optical character recognizing (OCR), Android, Identity card, Tesseract algorithm

**Subject Descriptors:** Optical character recognizing