

UNDERGRADUATE PROJECT REPORT

Project Title:	Forest Fire Detection and Severity Assessment Using Improved YOLOv5 on Satellite Imagery
Surname:	Li
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Module Code:	CHC 6096
Module Name:	Project
Date Submitted:	May 5 th , 2025

Chengdu University of Technology Oxford Brookes College
Chengdu University of Technology

BSc (Single Honours) Degree Project

Programme Name: **Software Engineering**

Module No.: **CHC 6096**

Surname: Qinglian

First Name: Li

Project Title: Forest Fire Detection and Severity Assessment Using Improved
YOLOv5 on Satellite Imagery

Student No.: 202118010402

Supervisor:..... Dr. Irfan Ullah

2ND Supervisor (if applicable): **Not Applicable**

Date submitted: **May 6th, 2025**

*A report submitted as part of the requirements for the degree of BSc (Hons) in Software
Engineering*

At

Chengdu University of Technology Oxford Brookes College

Declaration

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Signature Li Qinglian Date May 6th, 2025

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Signature Li Qinglian Date May 6th, 2025