The University of Western Australia
Dept. of Electrical & Electronic Engineering
Prof. Thomas Bräunl

# Robotics
## GENG5508

| Lab Assignment 5 – *Group* – Brushfire | Points: 10 |
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Implement the Brushfire algorithm for a given environment in occupancy grid format.



## EXPERIMENT 1  (7 points)

Read and display the occupancy grid as a binary QQVGA image file (1 means occupied, 0 means free).
Calculate the iterative Brushfire algorithm and print the resulting graph on screen.

## EXPERIMENT 2  (3 points)

Drive the robot from start (top left) to goal (bottom right) on a collision free course, following the Brushfire route.