VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A PROJECT REPORT ON

FOOD DISTRIBUTION DURING FLOODS

IN

COMPUTER SCIENCE & ENGINEERING

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CERTIFICATE

This is to certify that the Mini Project entitled **"FOOD DISTRIBUTION DURING FLOODS"** has been successfully completed by

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the bonafide students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2019–2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

During Emergencies, when we want to distribute food to different localities it is not always possible to use airways. In such cases when we have no other option other than roadways, we can implement Q Learning to reach the localities. In this algorithm, the localities act as nodes or vertices and the routes acts as edges. Starting from the first node, it decides the action to be performed in each stage as it proceeds. Solving, a valid solution would need to represent a route where every location is included at least once and only once. If a route contains a single location more than once, or missed out a location completely then it wouldn't be valid. The proposed system has uniquely designed mobile applications dedicated for the user, administrator and the rescue team. The user on one click can send the help request to the administrator. The administrator can view the nearby rescue teams and allocate them from the job. The rescue team can view the location of the user and the application dedicated for them will map the shortest possible route from the location of rescue team to the location of the user requesting for help.