

PREFACE

As the environment changes now a days are frequent with the adverse effects in that one of them is flash floods that occurs for short period of time and cause more devastating effects causing death, economic loss.

So, its mandatory to have a proper planning to tackle with the situation like flood so as less casualties occur many be life loss or economic loss.

Flood risk map is helpful in prediction of the consequences of the flood that could help in finding more adequate manner of assessment of risk caused by flood. This however this is much helpful taking effective measures regarding the management.

The most frequent flash flood occurs in the mountainous region and one of most devastating floods occurred in Rudraprayag district of Uttarakhand in 2013 which caused very much loss to the human, cattle life with major economic loss of about 78% in the district alone. Even in the past few years the incident of flood has been increased.

As this issue has contributed to several problems with respect to environment to the urban development and the residents who live here. This project aims to identify the flood zone of the region so as we can determine the risk assessment as well as the zone which is very much prone to flood and with all these, we can then have a proper management plan.