

Project Proposal

MAT1003 - D Slot

Title: Submarine cable route planner

Group: G7

Group members:

18BCE7147	Vadlapati Hari Praneeth
18BCE7291	Shreekar Reddy V.M.
18BCN7051	Putluri Sai Vishal Reddy
18BCE7335	Penumutchu Avinash
18BCE7339	Vellanki Pramod Sai Kumar

Abstract:

We need to send data from our computer to a different server using the internet. It is sent to different countries through Submarine cables which installed in the sea. The cables route about 99% of global internet traffic. These cables are also called Undersea cables.

There are many possible paths using which we can send data. Each cable has a different capacity and different amount of other traffic which is currently being sent. Cable map is available on the website: <https://www.submarinecablemap.com/>

Methodology:

We use a programming language to write code. We will use text files to input the cable capacity, location, and traffic data. We will implement a routing algorithm.

Expected Outcome:

Using this project, we write an algorithm that finds the best path to send the data to the destination, with the minimum distance possible.