INSTITUTE OF PRINTING TECHNOLOGY

& GOVERNMENT POLYTECHNIC COLLEGE SHORANUR



Department Of Computer Engineering 2021-2022

PROJECT REPORT ON

DAYLIGHT-TORRENT DOWNLOADER

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CERTIFICATE

This is to certify that the project titled **DAYLIGHT-TORRENT DOWNLOADER** that has been presented by **NITHIN P T(Reg. No.:** 19138122), **RANJITH K (Reg. No.: 19138124), VISHNU T M(Reg. No.:** 19138126), **ADITHYAN P A(Reg. No.: 1918117)**, **PRINITTA C JAISON(Reg. No.:19138123)**, final year students of COMPUTER ENGINEERING, in partial fulfillment of the requirements for the award of the DIPLOMA IN COMPUTER ENGINEERING under the Directorate of the Technical Education, Kerala, during the year 2021-2022.

Guided By Head of Department

Internal Examiner External Examiner

Place: SHORANUR

Date:

ACKNOWLEDGEMENT

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COMPUTER ENGINEERING [2021-2022]

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INTRODUCTION

The Torrent downloader can be used to reduce the server and network impact of distributing large files. Rather than downloading a file from a single source server, the DayLight allows users to join a "swarm" of hosts to upload and download from each other simultaneously. The DayLight client enables a user to search for and download torrent files using a built-in search box in the main window, which instantly downloads the file to the user's computer.

DayLight client can be used to download extremely large torrent files by entering torrent file link. Large torrent files include movies, games, additional files for games etc requires a torrent client to download. Daylight torrent downloader is built using HTML and CSS as front-end and Node JS as backend.

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SYSTEM DESIGNING

HARDWARE REQUIRMENTS:

Process - Intel Core i5

Hard Disk -256GB(SSD Recommanded)

RAM - 4GB

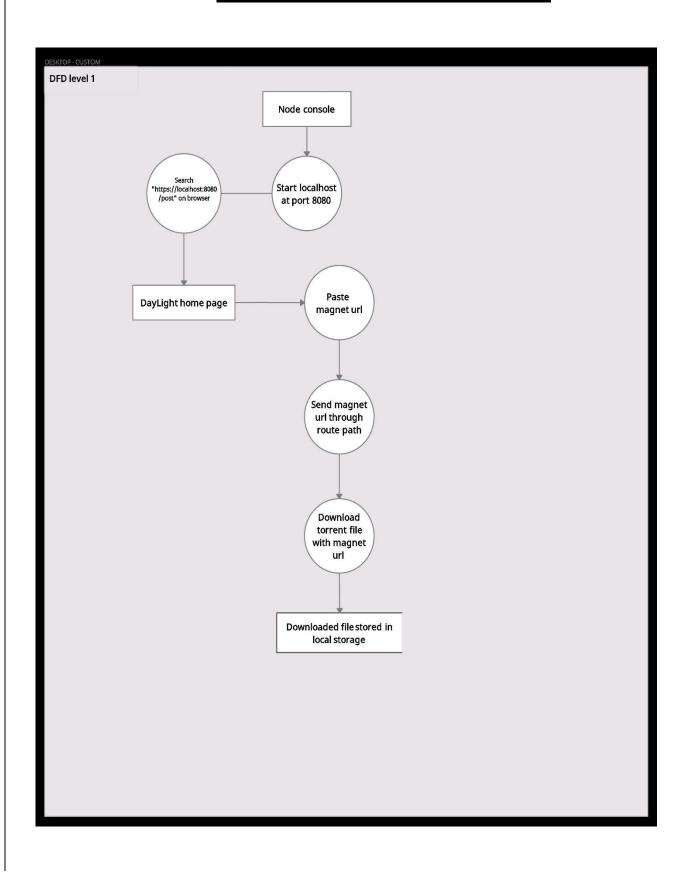
SOFTWARE REQUIRMENTS:

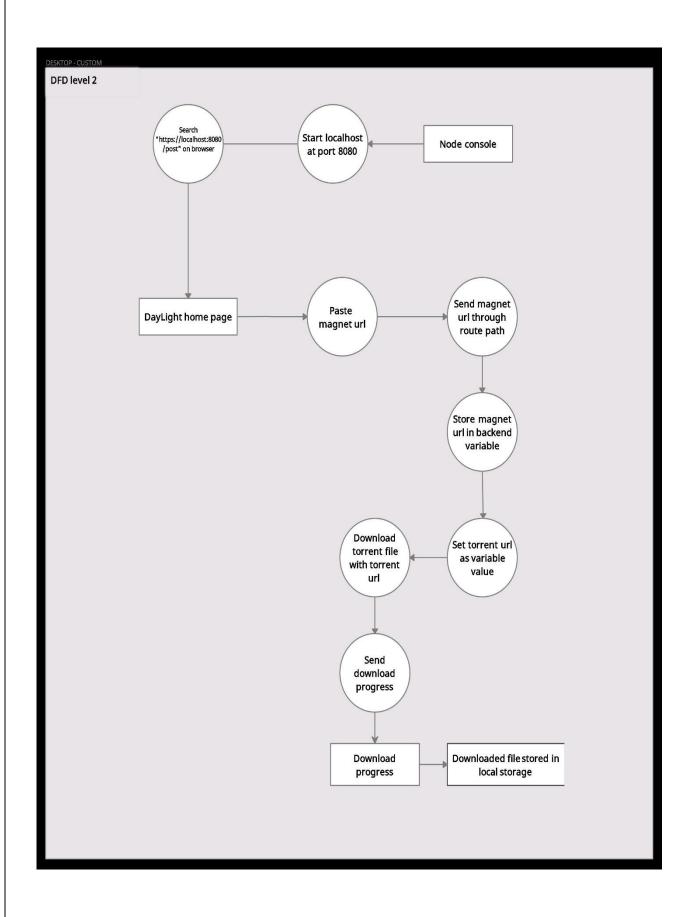
Operating system - windows

Sofrware Tools - Node js,command
Prompt, GitHub,
Html

Programming language - Java script

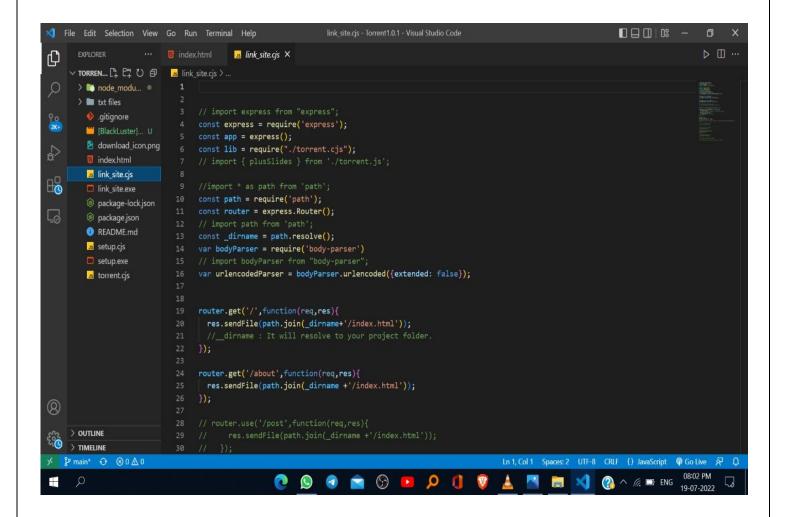
DATA FLOW DIAGRAM

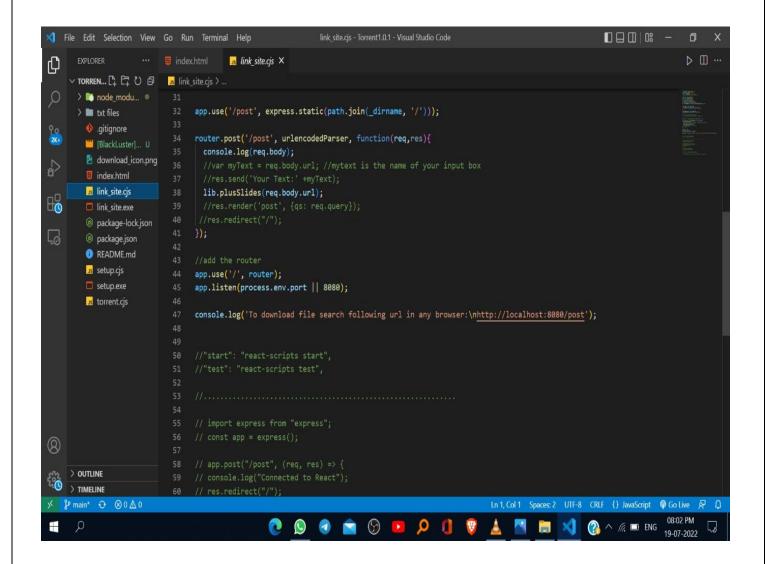




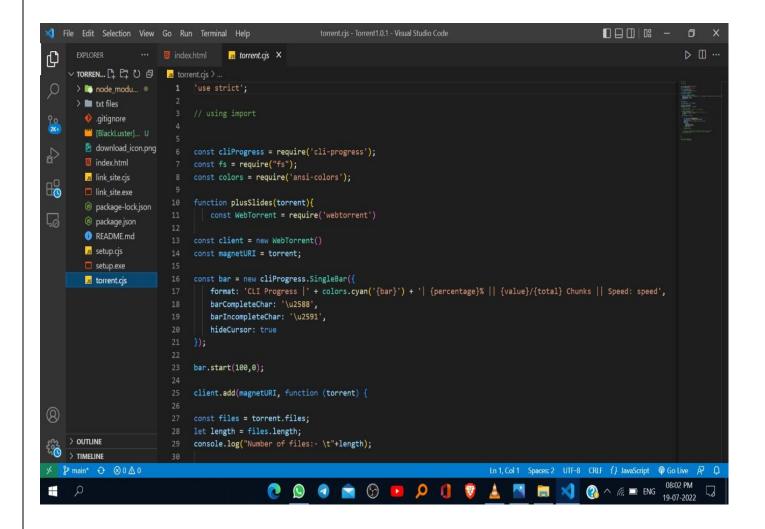
CODING

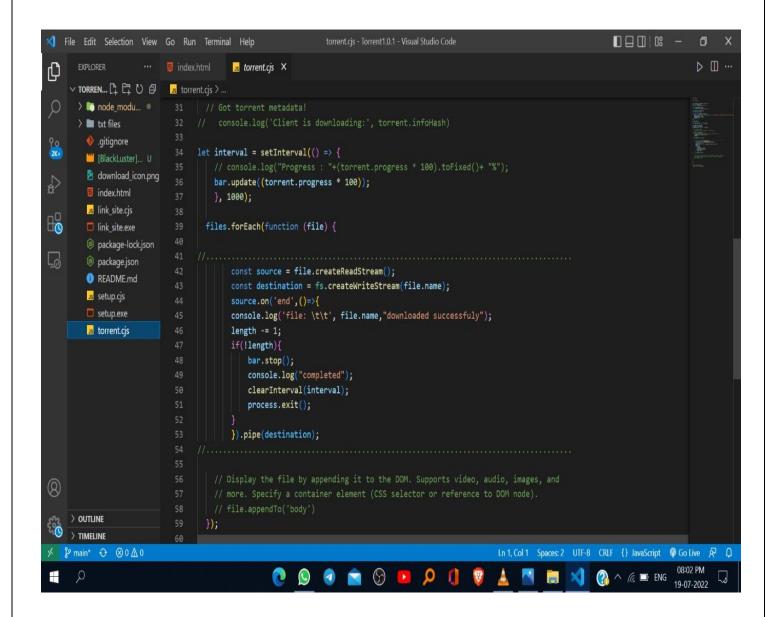
Link_site.cjs

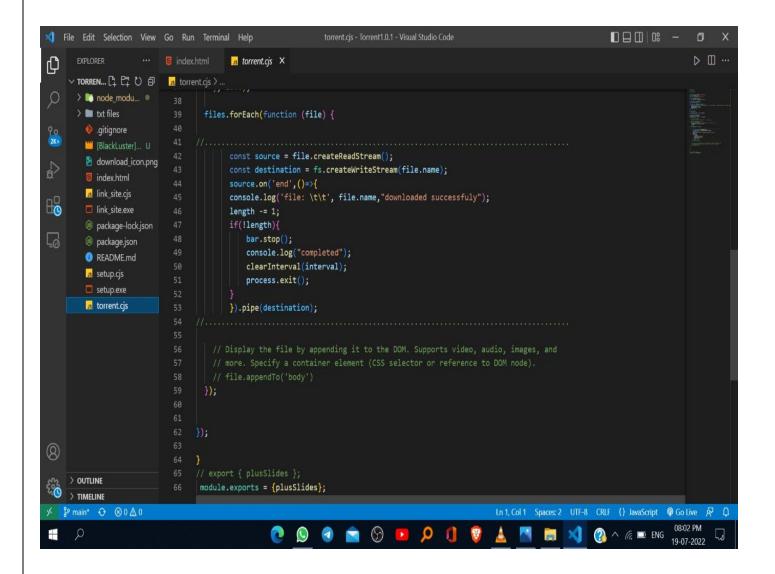




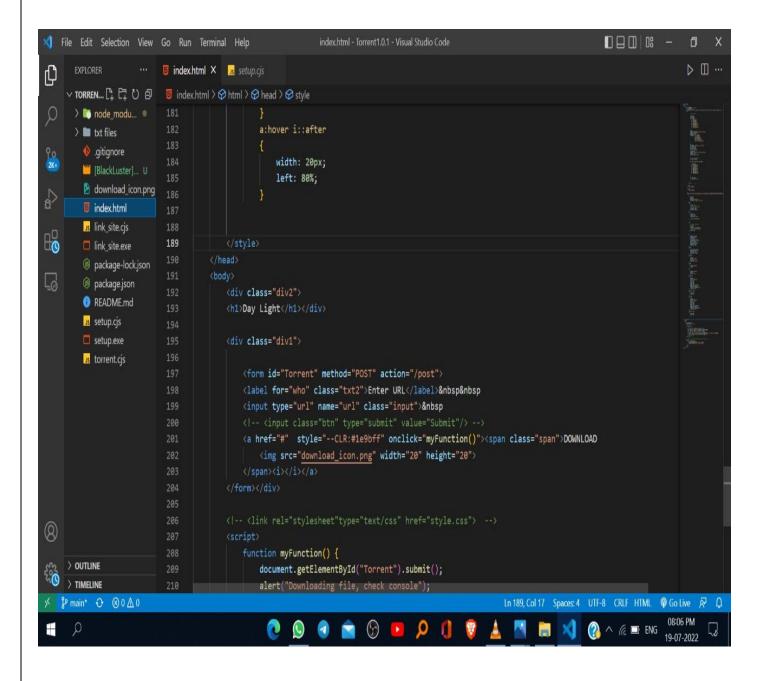
Torrent .cjs

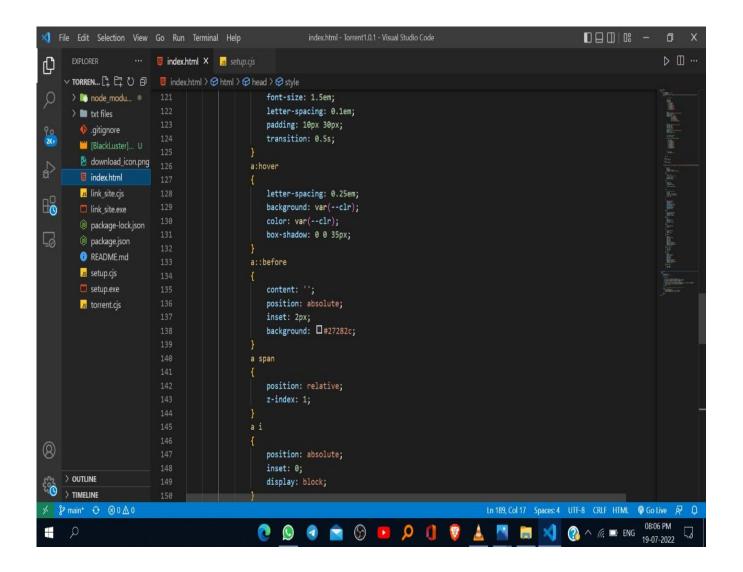


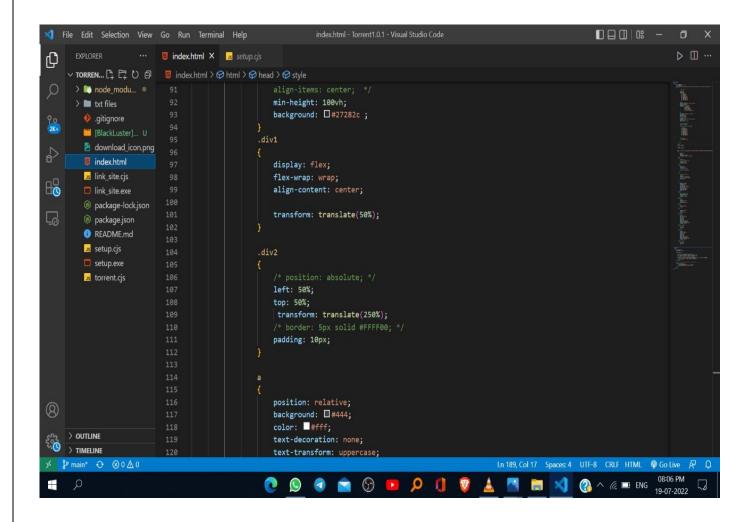




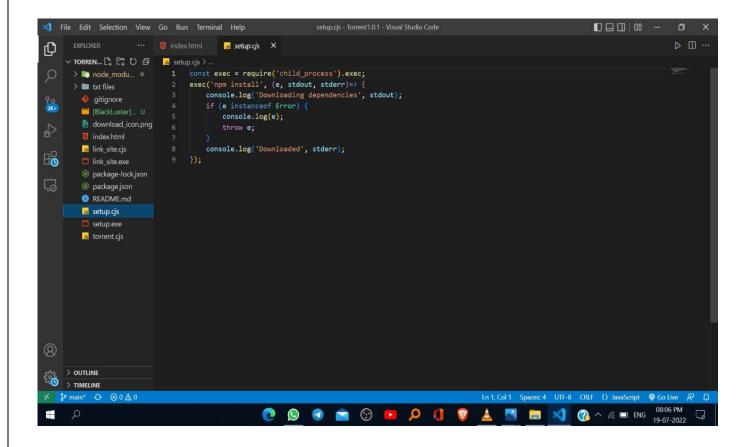
Index.html







Setup.cjs



Technology Frame works:

GitHub:

GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on to the projects from anywhere. GitHub is an highly popularlly program resource used for code sharing. It is the most Of the prominent source code host with over 60 million new repositories created in 2020.



Node js:

Node. Js (Node) is an open source of the development platform for executing JavaScript code to server-side. Node is useful for developing applications that require a persistent connection from the browser to the server and is often used for real-time applications as chat, news feeds and web push to the notifications. Node.



Html:

HyperText Mark up Language (HTML) is the set of mark up symbols or codes inserted into a file intended for display on the Internet. The mark up tells web browsers how to display a web page's words and images.

Each individual piece mark up code (which would fall between "<" and ">" characters) is referred to as an element element, though many people also refer to it as a tag. Some elements come in pairs that indicate when some display effect is to begin and when it is to end.

CODE REVIEW AND TESTING

- ➤ Code Review, also known as Peer Code Review, is the act between the consciously and systematically convening with one's fellow of programmers to check each other's code for mistakes and have to been repeatedly shown to accelerate and streamline the process of software development like few other practices can. There are peer code review tools and software, but the concept itself is important to understand. Software is written by human beings. Software is therefore often riddled with mistakes.
- > Software testing is the process of evaluating and verifying the software product or application does what it is supposed to do. The benefits of testing include preventing bugs, reducing development costs and improving performance.

IMPLEMENTATION

The Torrent downloader specification is free to use and many clients are open source, so the BitTorrent clients have been created for all the common operating systems using a variety of the programming languages. The official BitTorrent client, μ Torrent, μ Bittorrent. Transmission, Vase, and BitComet are some of the most popular clients.

For example, this can be used to been centralize file sharing on a single dedicated to server which users share access to on the network network. Server-oriented Torrent downloader implementations can also be hosted by hosting the providers at co-located facilities with the high bandwidth Internet connectivity (eg, datacentre) which can provide dramatic speed benefits over using BitTorrent from a regular home broadband connection.

SCOPE OF THE PROJECT

An innovative torrent program to search for the torrents and downloading into your default computer system.

Functionality:

- Search by multiple trackers and result grouping.
- Creating a server for instant playback media files with VLC

CONCLUSION

In this paper we have presented detailed study and analysis of torrent downloader. We Believe that this study is the contribution of ongoing effort to gain insight into the behaviour of widely used peer to peer system. In order to share our findings we have all published our raw data files. One of the big advantage of this project is high level integrity of both content a and the meta data due to the working of global components.

REFERENCE

- https://www.w3schools.com/css
- https://expressjs.com/en/starter/static-files.html
- https://www.npmjs.com/package/webtorrent-fix