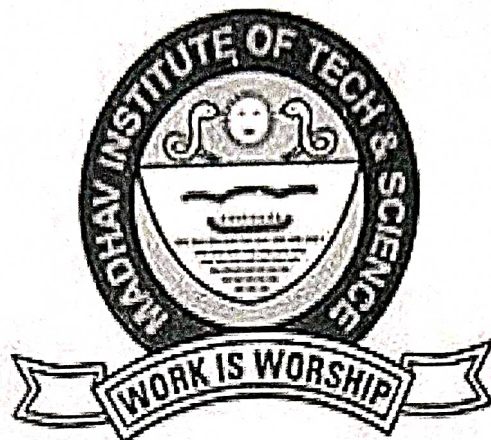


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Project

Report on

ALAN AI: E-NewsReader

Submitted By:

Vivek Sharma

0901CS191138

Vikash Singh Sikarwar

0901CS191136

Faculty Mentor:

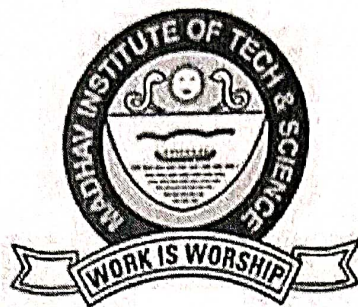
Mr. Mir Shahnawaz Ahmad

Assistant Professor, Computer Science and Engineering

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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MAY-JUNE 2022

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Project Report

on

ALAN AI(E-NewsReader)

A project report submitted in partial fulfilment of the requirement for the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

Vivek Sharma

0901CS191138

Vikash Singh Sikarwar

0901CS191136

Faculty Mentor:

Mr. Mir Shahnawaz Ahmad

Assistant Professor, Computer Science and Engineering

Submitted to:

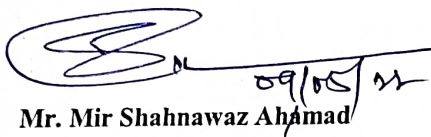
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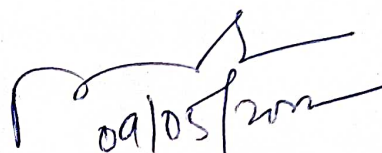
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CERTIFICATE

This is certified that **Vivek Sharma** (0901CS191138) has submitted the project report titled **ALAN AI(E-NewsReader)** under the mentorship of **Mr. Mir Shahnawaz Ahmad**, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



Mr. Mir Shahnawaz Ahmad
Faculty Mentor
Assistant Professor
Computer Science and Engineering

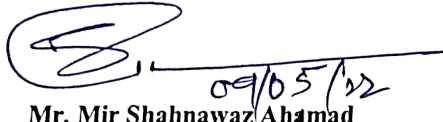



Dr. Manish Dixit
Professor and Head
Computer Science and Engineering
Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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CERTIFICATE

This is certified that **Vikash Singh Sikarwar** (0901CS191136) has submitted the project report titled **ALAN AI(E-NewsReader)** under the mentorship of **Mr. Mir Shahnawaz Ahmad**, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.


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Dr. Manish Dixit
Professor and Head
Computer Science and Engineering
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Department of CSE
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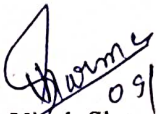
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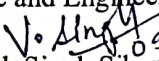
DECLARATION

We hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Mr. Mir Shahnawaz Ahmad, Assistant Professor, Computer Science and Engineering.**

We declare that we have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.


09/05/22
Vivek Sharma
0901CS191138
3rd year

Computer Science and Engineering


09/05/22
Vikash Singh Sikarwar
0901CS191136
3rd Year

Computer Science and Engineering


MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science**, for allowing me to continue my disciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

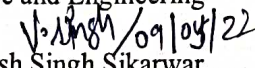
I would sincerely like to thank my department, **Department of Computer Science and Engineering**, for allowing me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Mr. Mir Shahnawaz Ahmad**, Assistant Professor, Computer Science and Engineering for their continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.


09/05/22

Vivek Sharma
0901CS191138
3rd year

Computer Science and Engineering


09/05/22
Vikash Singh Sikarwar
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Computer Science and Engineering

Abstract

Newspapers have been a constant source of news and information for us for about 400 years now. Many technological advancements led to newer ways of delivering news and information about various aspects. Since the advent of technological developments such as Artificial Intelligence, researchers and developers have tried to make use of Artificial Intelligence in various fields. This research project is an effort to make news reading more fun and interactive using the ALAN voice assistant. The web app is completely interactive and the user is able to get news from any topic of interest just by speaking. The user can access news by category, popular news channels, by terms, etc. The web app is completely responsive and works well with any device such as a laptop, tablet, or mobile phone. The project is developed using technologies such as ReactJS, JavaScript, Visual Studio Code, and Alan AI.

सार:

समाचार पत्र लगभग 400 वर्षों से हमारे लिए समाचार और सूचना का एक निरंतर स्रोत रहे हैं। कई तकनीकी प्रगति ने विभिन्न पहलुओं के बारे में समाचार और जानकारी देने के नए तरीकों का नेतृत्व किया। आर्टिफिशियल इंटेलिजेंस जैसे तकनीकी विकास के आगमन के बाद से, शोधकर्ताओं और डेवलपर्स ने विभिन्न क्षेत्रों में आर्टिफिशियल इंटेलिजेंस का उपयोग करने का प्रयास किया है। यह शोध परियोजना एलन वॉयस असिस्टेंट का उपयोग करके समाचार पढ़ने को अधिक गजेटार और इंटरैक्टिव बनाने का एक प्रयास है। वेब ऐप पूरी तरह से इंटरैक्टिव है और उपयोगकर्ता केवल बोलकर ही क्वि के किसी भी विषय से समाचार प्राप्त करने में सक्षम है। उपयोगकर्ता श्रेणी, लोकप्रिय समाचार चैनलों, शर्तों आदि के आधार पर समाचारों तक पहुंच सकता है। वेब ऐप पूरी तरह से उत्तरदायी है और लैपटॉप, टैबलेट या मोबाइल फोन जैसे किसी भी उपकरण के साथ अच्छी तरह से काम करता है। परियोजना को रिएक्टजेएस, जावास्क्रिप्ट, विजुअल स्टूडियो कोड और एलन एआई जैसी तकनीकों का उपयोग करके विकसित किया गया है।

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Chapter 1: Introduction

1.1 Introduction of The Project

Traditional news gathering methods such as newspapers, radios, televisions have been and succeeded for a long time. In modern-day, we are familiar with the use of smartphones and other types of computers for the same through the use of the internet. Although these methods work well, news gathering has never been fun and much interactive. With rapid advancements in computing technology, we have achieved steps closer to developing Artificial Intelligence (AI). AI sometimes also called Machine Intelligence is a revolutionary branch of computer science, capable of performing tasks that were thought to be impossible for a machine. The term "Artificial Intelligence" was coined at the Dartmouth college in 1956 and has seen a huge demand as it seems to be the future of computing. 1.1 Recent Developments in AI: Being a field that can benefit almost every branch of work known to humans, AI has proved its significance in a lot of ways. Some of the recent achievements of AI are: 1. Its ability to write Essays, Blogs and even Computer Programs,

2. Detection of diseases from medical images that even experienced doctors might miss sometimes, 3. Ability to understand its surrounding and to act upon in requirement, 4. Beating experts at their own games 5. Understanding and enhancing the quality of multimedia. 6. Gave birth to self-driving vehicles. This allows vehicle commuting to be safe and fuel-efficient at the same time. 7. Recent developments in Artificial Intelligence has led to priority-based prediction of social media posts based on the user's interest. 8. 24x7 service is now a common feature among various services in the field of healthcare, business, banking, marketing, and e-commerce due to the advent of Chatbots. 9. Advancement in Neural Networks has led to the creation of various other networks such as Generative Adversarial Networks (GAN). This amazing Network was used to build a website "thispersondoesntexist.com" [7] which gives you AI-generated images of people who actually do not exist. 10. Artificial Neural Networks also help in the prediction of Market Stocks, various other activities in which humans are incapable of near to accurate calculations.

1.2 Objective/Aim

1. The purpose of e-newsreader is to allow people to save time and get news efficiently, without physically attending a newspaper academic setting.
 2. Reducing cost such as automation
 3. Efficiency – Getting more output from listening
 4. Decision Automation
 5. Customer experience such as the usability
-

1.3 Hardware And Software Requirement

1.3.1 Hardware

Processor-

intel core i5 (8th Gen) RAM-
4GB DDR4

64 bit operating system, x64
based processor

1.3.2 Software

SUBLIME TEXT EDITOR

WEB BROWSER (Like Chrome, Internet Explorer etc.)

Chapter 2: Tech Stack

2.1 Description of Mode used: The mode is the value that appears most frequently in a dataset.

2.1.1 HTML

This is markup script language for creating web page. I have used it in different sections in my "ALAN AI (E-News Reader)" such as for making "Header & Footer" in homepage, Inbound and Outbound Title's information.

2.1.2 CSS

Cascading Style Sheet is a style sheet language that is mostly used to design websites. I have used this style sheet language in different sections of my projects such as "Admin Panel" design, homepage "Top Navigation Drop Down Bar" design.

2.1.3 BOOTSTRAP

Bootstrap is a potent front-end framework used to create modern websites and web apps. It's open-source and free to use, yet features numerous HTML and CSS templates for UI interface elements such as buttons and forms. It is also responsible for making our website responsive.

2.1.4 JAVASCRIPT

Javascript is the programming language of HTML and the web. It makes web pages dynamic. It is an interpreted programming language with object-oriented capabilities.

Student Data Flow Diagram

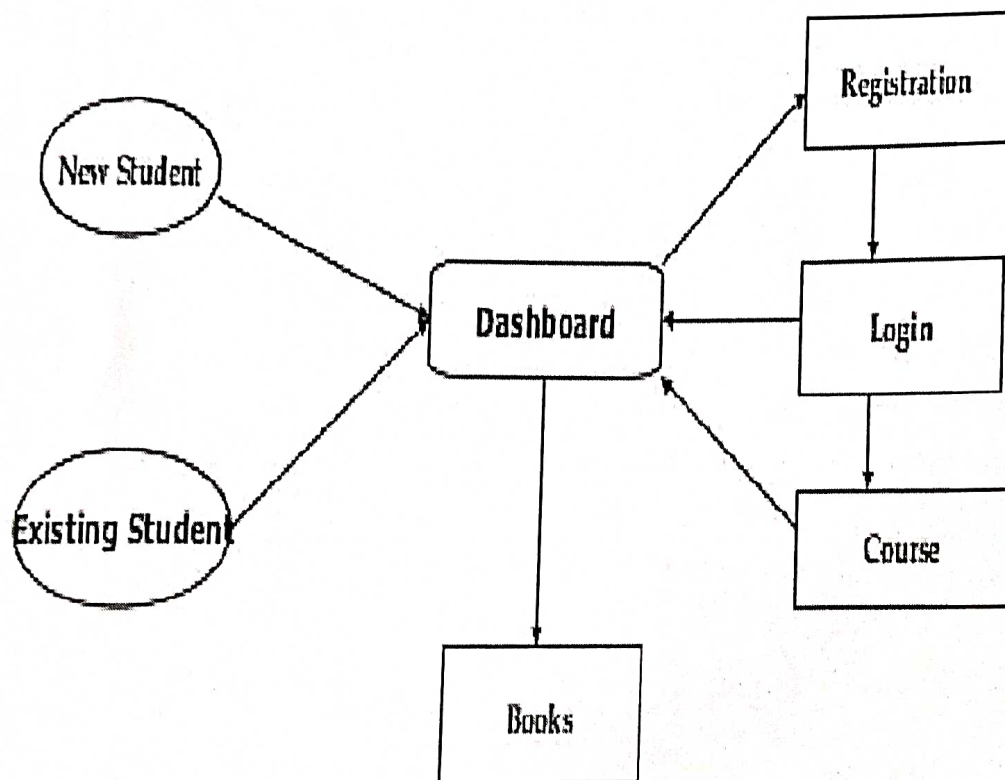


Fig 3.1: Dataflow Diagram

WELCOME TO AI NEWS

News by Sources

-Sources-

CNN, Wired, BBC News, Time,
IGN, Buzzfeed, ABC News...

Try saying:

Give me the news from Buzzfeed

News by Categories

Categories:

Sports, Entertainment, Science,
Technology, Web Series, Sports
Car...

Try saying:

Give me the latest Sports news

News by Terms

Terms:

Cricket, Fluiter, COVID 19,
Education...

Try saying:

What's up with Apple iOS 14

Latest News

Try saying:

Give me the latest news



WELCOME TO AI NEWS

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Sources:

CNN, Wired, BBC News, Time,
IGN, Buzzfeed, ABC News...

Try saying:

Give me the news from Buzzfeed

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Sports, Entertainment, Science,
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Give me the latest Sports news

News by Terms

Terms:

Cricket, Fitter, COVID 19,
Education...

Try saying:

What's up with Apple IOS 14

Latest News

Try saying:

Give me the latest news

give me the latest news



endlines :



Fri Sep 25 2020

India.com

LIVE Chennai Super Kings vs Delhi Capitals, IPL 2020 Match 7
Live Cricket Score And Updates: Shaw, Dhawan Pro - India.com

Chennai Super Kings (CSK) vs Delhi Capitals (DC) Match 7, IPL 2020. CSK captain M.S. Dhoni and DC captain Virat Kohli are set to lead their teams. The match is scheduled for Friday, September 25, 2020, at the Arun Jaitley Cricket Stadium in Delhi. Updates on the match will be provided throughout the evening.

LEARN MORE



Fri Sep 25 2020

Hindustan Times

DNA of 3 men killed in Shopian encounter matches with family: J&K police - Hindustan Times

The Jammu and Kashmir Police has confirmed that the DNA of three men killed in the Shopian encounter matches with the family members. The police also stated that the bodies of the three men were found in the Shopian area.

LEARN MORE



Fri Sep 25 2020

NDTV News

AIIMS Doctor Said Sushant Singh Rajput Was Strangled: Family Lawyer - NDTV

An AIIMS doctor has claimed that Sushant Singh Rajput was strangled. The doctor, who is a senior faculty member at AIIMS, stated that he had examined the body of the actor and found signs of strangulation. The family lawyer has also confirmed this claim.

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FIRST OF ITS KIND

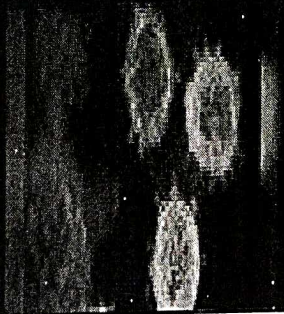
Fri Sep 25 2020

Republic World

NASA spacecraft to touch down on asteroid Bennu surface in historic mission - Republic World - Republic World

NASA's OSIRIS-REx spacecraft is set to touch down on the surface of the asteroid Bennu. This mission is considered historic as it will be the first time a spacecraft has landed on an asteroid.

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Electric
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Tickets

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Day Passes

Over 20,000
Satisfied
Customers. A+
Better Business
Bureau Rating

ticketrescue.com

OPEN

Sell Electric Forest Tickets

We Pay You First

Over 20,000 Satisfied Customers. A+ Better Business Bureau Rating

ticketrescue.com

OPEN

Celebrities

Bono gives 'peace concert' at Kyiv Metro station and visits bombed cities

The Irish singer and activist took the microphone and performed for the groups of citizens gathered at the station some mythical pieces of his repertoire

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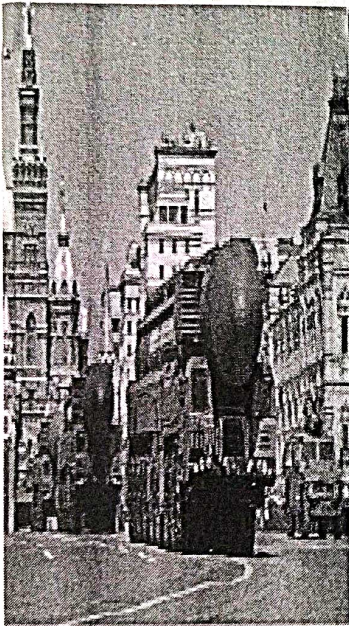
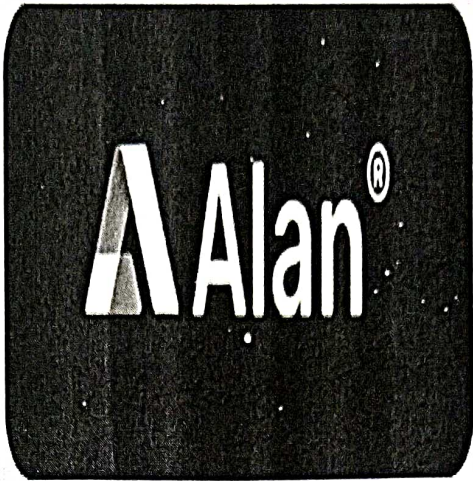


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bombed cities - Marca English

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After Russian Threats -
TheStreet



Chapter4:APPLICATIONS OFTHEPROJECT

4.1 Applications

- E-newsreaders save time and money. With online listening, your listeners can access content anywhere and anytime. ...
- E-newsreader leads to better retention. ...
- The increase in internet connectivity in the last few years has been an important catalyst for the growth of eLearning in India.
- This, combined with the falling cost of smartphones and data, which has seen smartphone penetration grow to 29% (as of December 2017) in urban areas and 72% (as of September 2017) in rural areas, should boost adoption further.
- However, in spite of the large pool of educated talent this country needs to build from, it faces a shortage of more than 160 million skilled employees by 2022. This is because India's education system is not able to impart upon its students the software skills that the industry requires.

Chapter5: Conclusion

5.1 Conclusionandfuture work

Reading newspapers takes up a lot of time and the reader usually spends reading about articles in which they are not interested. By using this project, the user can get to hear about all the important headlines of their chosen topic on the go, in just 5 minutes. The project is capable of reading all the headlines of the news articles and can open the source article for more in-depth reading if required by the user. A voice assistant can be integrated into many more applications in the field of health-care, business, banking, and e-commerce applications. As far as news applications are concerned, we suggest that the integration of voice assistants in news applications will not only enhance the user experience but also make news more engaging in the near future. We hereby have successfully completed our project and conclude our research.

5.2 future

E-newsreader is not just a change of technology. It is part of a redefinition of how we as a species transmit knowledge, skills, and values to younger generations of workers. I will end this book by daring to make a few predictions of how

e-newsreader and the functions it serves will continue to develop.

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- [1] "React—A JavaScript library for building user interfaces", Reactjs.org. [Online].
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