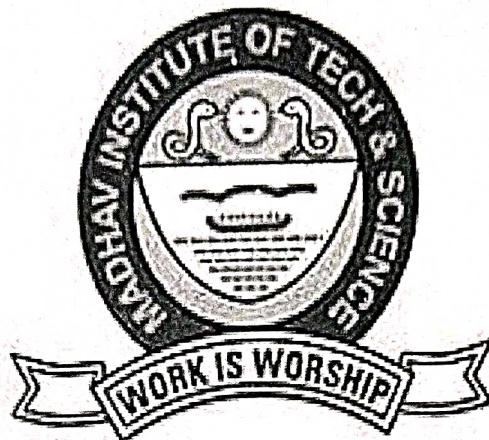


**MADHAVINSTITUTEOFTECHNOLOGY&SCIENCE,GWALIOR**  
(AGovt.AidedUGCAutonomous&NAACAccreditedInstituteAffiliatedtoRGPV,Bhopal)



Project

Report on

**ALAN AI: E-NewsReader**

Submitted By:

**Vivek Sharma**

**0901CS191138**

**Vikash Singh Sikarwar**

**0901CS191136**

Faculty Mentor:

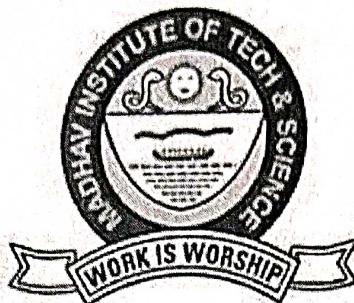
**Mr.MirShahnawazAhmad**

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE Gwalior -  
474005 (MP) est. 1957

**MAY-JUNE 2022**

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



**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:

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE**  
**GWALIOR - 474005 (MP) est. 1957**

**MAY-JUNE 2022**

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

**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.

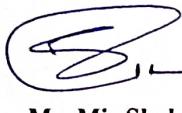
  
09/05/22  
**Mr. Mir Shahnawaz Ahmad**  
Faculty Mentor  
Assistant Professor  
Computer Science and Engineering

  
09/05/22  
**Dr. Manish Dixit**  
Professor and Head  
Computer Science and Engineering  
**Dr. Manish Dixit**  
Professor & HOD  
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M.I.T.S. Gwalior

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

**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.

  
09/05/22  
**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**  
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M.I.T.S. Gwalior

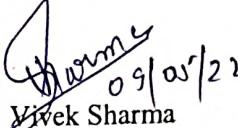
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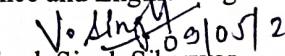
**DECLARATION**

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  
3<sup>rd</sup> year

Computer Science and Engineering

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

Computer Science and Engineering

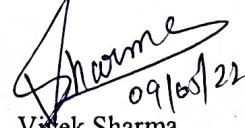
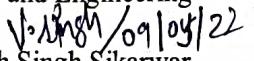
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## **ACKNOWLEDGEMENT**

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  
3<sup>rd</sup> year  
Computer Science and Engineering  
  
09/05/22  
Vikash Singh Sikarwar  
0901CS191136  
3<sup>rd</sup> Year  
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 aims 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 many topics 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 AlanAI.

## सारः

समाचार पत्र संग्रहग्र 400 वर्षों से हमारे लिए रागाचार और धूताचा का एक नितार धोत रहे हैं। कई तकनीकी प्रगति ने विभिन्न पहलुओं के बारे में रागाचार और आवाकारी देखे के बाहर तारीकों का गेतुत्व किया। आर्टिफिशियल इंटेलिजेंस और तकनीकी विकास के आगमन के बाद से, धूधकर्ताओं और ड्रेनेपर्स ने विभिन्न शोब्सों में आर्टिफिशियल इंटेलिजेंस का उपयोग करने का प्रयास किया है। यह धोध परियोजना एलन चॉयस असिस्टेंट का उपयोग करके रागाचार पढ़ने को अधिक गतेतार और इंटरेक्टिव बनाने का एक प्रयास है। वेब ऐप पूरी तरह से इंटरेक्टिव है और उपयोगकर्ता केवल बोलकर ही जवाब के लिये भी विषय से समाचार प्राप्त करने में राशन है। उपयोगकर्ता श्रेणी, लोकप्रिय रागाचार चैनलों, शर्ती आदि के आधार पर समाचारों तक पहुंच रानकता है। वेब ऐप पूरी तरह उत्तरदाती है और लैपटॉप, ऐब्लैट या मोबाइल फोन जैसे लिये भी उपकरण के साथ अच्छी तरह से काग करता है। परियोजना को रिएक्टजेएस, जावास्क्रिप्ट, विजुअल स्ट्रॉडिंग कोड और एलन पर्वाई जैसी तकनीकों का उपयोग करके विकसित किया गया है।

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## Chapter1:Introduction

### 1.1 IntroductionofTheProject

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 (8<sup>th</sup> 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.)

## Chapter2:TechStack

**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 section 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 mostly used to design website. I have used this style sheet language in different section at 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

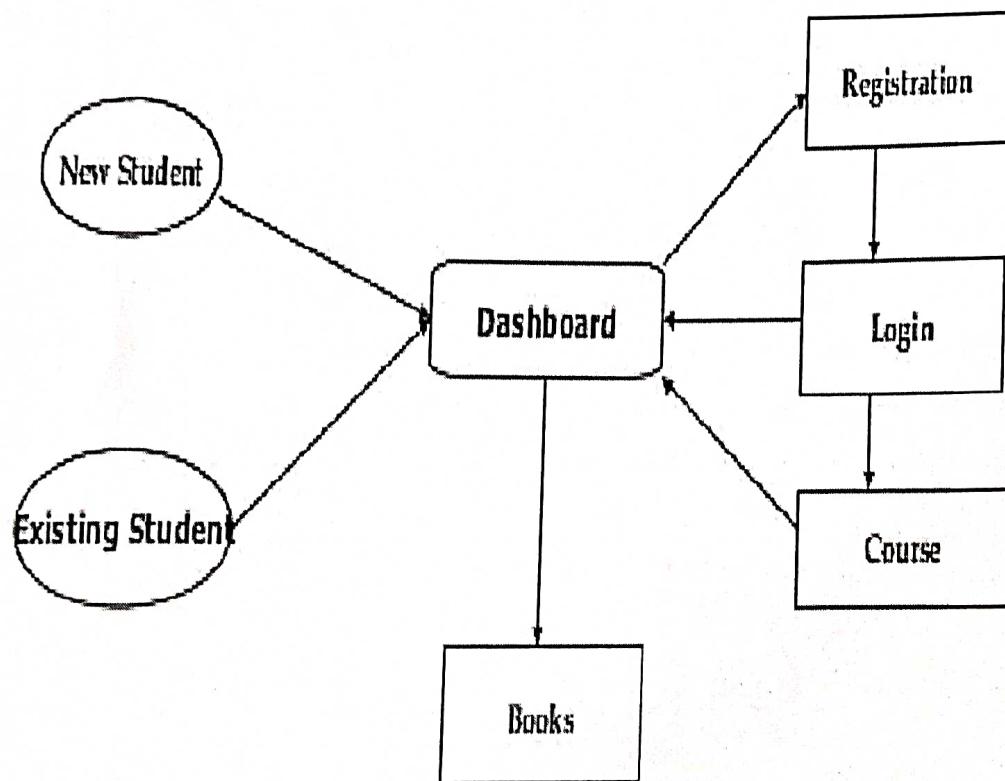


Fig 3.1: Dataflow Diagram

# 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

Or...

Try saying:

Give me the latest Sports news

## News by Terms

### Terms

Cricket, Flutter, COVID 19, Education...

Try saying:

What's up with Apple iOS 14

## Latest News

Try saying:

Give me the latest news

ext Page :

# 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, Flair, 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



headlines :

## INDIAN T20 LEAGUE

Match 7



11 Sep 2020 | 10:30 AM IST

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

Devin P. Smith (C) Chahal (C) 100% and  
Umesh (C) 100% in DC. What about My Chennai  
Sco. Delhi Captain is Currently in CSK in DC.  
Delhi Live Cricket Score and Updates CSK vs DC. PL  
PL. Watch \* India and welcome to test for 2020  
Devin P. Smith 100%.

LEARN MORE



11 Sep 2020

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

The army admitted last week that seven rebels killed during  
the Armed Forces Special Powers Act (AFSPA) were  
involved in the July killing of three people who had  
recently been buried.

LEARN MORE



11 Sep 2020

AIIMS Doctor Sard Sushant  
Singh Rajput Was Strangled;  
Family Lawyer - NDTV

After Doctor Sard Sushant Singh Rajput, who had  
been accused of the killing of three rebels under  
the Armed Forces Special Powers Act (AFSPA), was  
strangled to death in the case, his family has  
been told that he had been strangled and that

LEARN MORE



11 Sep 2020

**FIRST OF ITS KIND**  
NASA spacecraft to touch down  
on asteroid Bennu's surface in  
historic mission - Republic World  
- Republic World

NASA's Osiris-Rex probe, which has been  
orbiting the asteroid Bennu since 2018, will make  
its first landing on the surface of the space rock on  
October 20.

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4

News

MARCA



EN

NFL

NBA

Soccer

MLB

More Sports

Lifestyle

Lifestyle

News

Celebrities

How to

Movies

Music

Net Worth

TV Shows

UK News

US News

0X

PUBLICIDAD

Sell  
Electric  
Forest  
Tickets

4 Day & Single  
Day Passes

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

[ticketrescue.com](http://ticketrescue.com)

OPEN

Sell Electric Forest Tickets

We Pay You First

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

[ticketrescue.com](http://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

Last Page :

Try saying:

Open article  
number [4]

Try saying:

Go back

Alan®

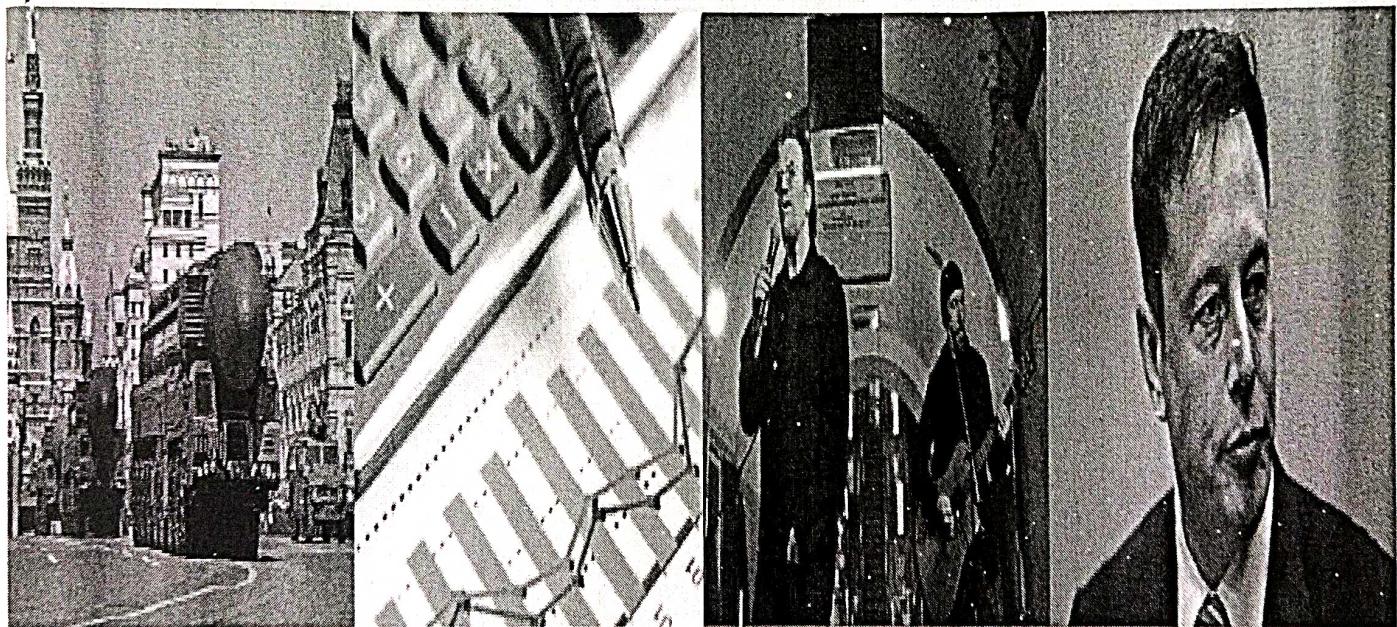
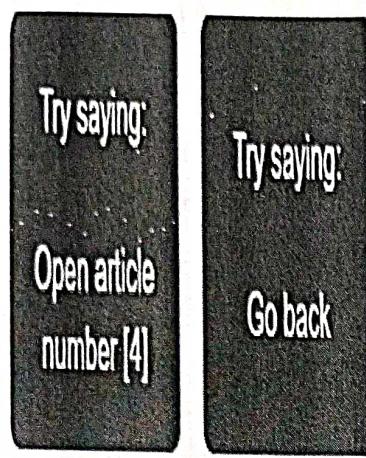


13/2022

Gizchina.com

Storyline, Release Date,  
Cinists, Map, And More





Mon May 09 2022

The Washington Post

Mon May 09 2022

Investing.com

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Marca

Mon May 09 2022

TheStreet

Russia-Ukraine war news: Live updates - The Washington Post

Asian stocks retreat as China's lockdowns stir recession worries By Reuters -

Bono gives peace concert at Kyiv Metro station and visits bombed cities - Marca English

Elon Musk Fears for His Life After Russian Threats - TheStreet



## Chapter4:APPLICATIONS OF THE PROJECT

### 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 readerusually spends reading about articles in which they are notinterested. By using this project, the user can get to hearabout all the important headlines of their chosen topic onthe go, in just 5 minutes. The project is capable of readingalltheadlinesofthenewsarticlesandcanopenthesource article for more in-depth reading if required by theuser. Alanvoiceassistantcanbeintegratedintomanymoreapplicationsinthefieldofhealth-care, business, banking, and-commerceapplications. Asfarasnewsapplications are concerned, we suggest that the integrationofvoiceassistantsinnewsapplicationswillnotonlyenhanceuserexperiencebutalsomakenewsmoreengaging in the near future. We hereby have successfullycompletedourproject andconcludeourresearch.

## 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.

-----

## ferences

- [1] "React-A JavaScript library for building user interfaces", Reactjs.org. [Online]. Available: <https://reactjs.org/>.
- [2] "Material-UI: A popular React UI framework", Material-ui.com.[Online].Available:<https://material-ui.com/>.
- [3] "React Card component - Material-UI", Material-ui.com.[Online]. Available: <https://material-ui.com/components/cards/>.