E-Magazine Creation And Publication Software

Atiya Kazi
Assistant Professor

Sana Majgaonkar
Student

Samruddhi Mayekar
Student

Shivani Sutar
Student

Department of Information Technology,
Finolex Academy Of Management And Technology

Abstract: In today's world of digitalization, internet technology has changed many different areas of lifestyle like magazine industry. Although the traditional way of reading from books and magazines has its own benefits it is increasingly getting replaced by people reading the content online with more people connected to the internet than ever before. Hence, an e-magazine creation and publication system plays a crucial role in the modern world. The system is portable, easy to use and helps to create and spread magazines online which can be read by the readers anytime anywhere. Index Terms - Technology, E-magazine, Communication, Digital, Online.

Index Terms - Technology, E-magazine, Communication, Digital, Online.

I. INTRODUCTION

The internet is a global system that is interconnected to computers and provides various benefits to its users, including access to information from distant documents and databases that may be read and researched to verify knowledge. Educational institutions and scholars are increasingly using it as a flexible medium for delivering online education to remote or on-campus students. It's the age when individuals want to keep in touch through writing blogs and using social media. For decades, the printing sector has played an important role in mass communication, knowledge transfer, and information dissemination. Innovation in technology and software is on the rise. The internet has transformed many aspects of life, including the magazine industry, in today's era of digitization. Despite the fact that printed magazines have long been successful in meeting reader's diverse content needs and reading interests, many readers have recently switched to digital publications. E-magazines are thus becoming increasingly popular as new technological advancements have touched every field, including reading. They are flexible, unique, innovative, and cost-effective and may simply be changed to suit your needs. With the advancement of technology and other new digital publishing methods printed magazines have all evolved into e-magazines. E-magazines combine the readability and overview of printed magazines with the advantages of online media, such as regular updates, interactivity, accessibility and flexibility. Despite the obvious benefits of e-magazines, there are numerous obstacles to overcome in order to launch them successfully. In order for everyone to have access to the digital edition, and to create simple or fully monetized e-magazines and publish them online for free we have designed an e-magazine creation and publication software.

II. LITERATURE REVIEW

The internet technology is one of the defining technologies of the todays digital age, and it is a global system interconnected to computers providing many benefits to the users. The internet has changed the e-magazine industry in countless ways [4]. Information technology has brought changes from traditional print to electronic print [1]. Even though printed magazines have long been successful in catering to many of the reader's various content need and reading interest, in recent years many of the readers have turned from printed to digital magazines [5]. The main factor contributing the rapid growth of e-magazines is the ability to engage the reader through interactive content [3] and providing unique advantage for commercial topics such as embedding ads, monitoring the number of visitors and taking user insights [2]. According to Silva [1] , such type of new media production was established back in around 2010 and it lead to increase in number of interactive e-magazines to 485 within a year's time. Depending upon the software and technology used e-magazines have aesthetic and functional benefits [2]. The introduction part introduces

the effect of new technologies on magazine industry. Section 4 introduces the existing system. Section 5 explains about the proposed system. Section 6 shows the implementation the project. Section 7 displays the result. With final discussion on the approached system section 8 concludes the paper.

III. EXISTING SYSTEM

There are many prevalent systems used for e-magazine creation [2]. The existing systems allow free publication only up to some limited storage and users. The various approaches used for creating an e-magazine is by using an available web based software such as FlippingBook, MagLoft, Joomag, Lucidpress [2]. Creating an e-magazine using e-magazine creation software usually involves subscriber management, advanced analytics and In-app purchases which leads to easy integration of most of the popular technological solutions.When it comes to digital publication and magazine media, ethical software tools are essential. There are numerous software applications based on electronic magazines which are utilized for publication.Some applications are referred below :

1. Pixelied
Pixelied is a tool for the most common uses, which have ready-made templates and icons. It can be used for photo editing functions like removing the background of images.
2. Crello
Crello has various features. The Animation Maker suite is its core feature, which provides users with animated templates and objects to use in order to create more engaging images and videos. Crello is free, but its main key features like Animation Maker are only available for Prime subscribers.
3. Canva
Canva is a fantastic graphic design platform. It can be used to make social media graphics, presentations, posters, documents, and other types of content. This platform is completely free to use. Canva Pro and other premium subscriptions are available for users. Canva Enterprise is a paid version of Canva that adds more features.

IV. PROPOSED SYSTEM

In the proposed system, an e-magazine creation and publication software allows you to create simple or fully monetized e-magazines and publish them online free of cost by replacing the printed version so that everyone can have access to it in this age of internet. Based on your interest you can either upload your PDFs or create a whole new magazine from scratch and enrich it by choosing a right template, adding your own text and embedding audios, videos, images and links.
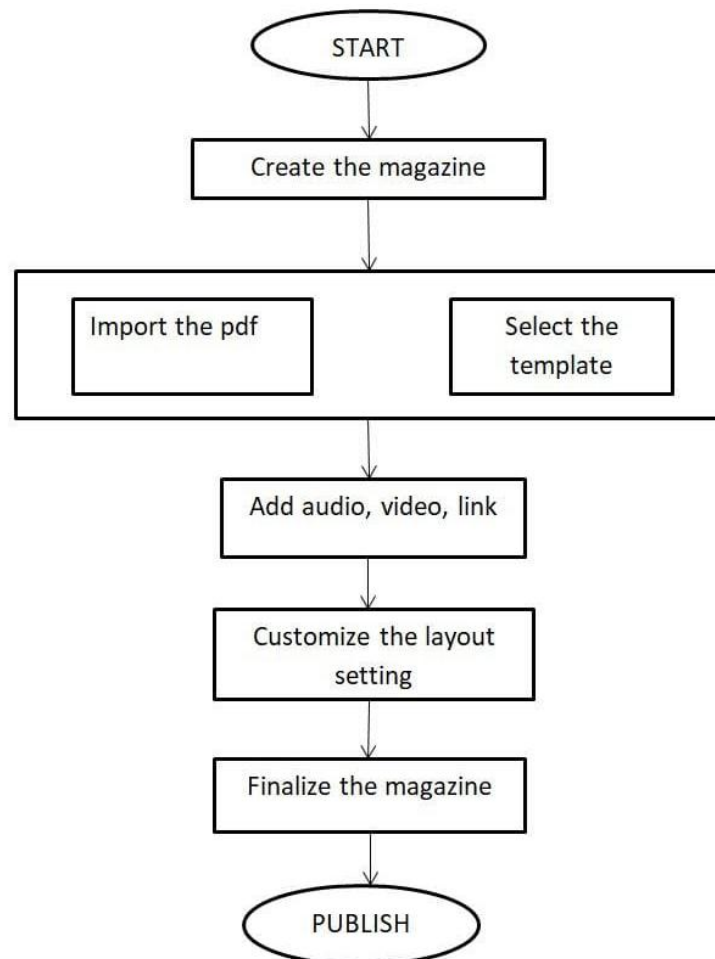
Figure 1. Proposed Architecture

V. IMPLEMENTATION

A. Software
The project is developed using Microsoft Visual Studio 2010.

B. Design
Design is done mainly using HTML tags and divisions. Main form is designed using master form in asp.netand rest of the forms are attached as child forms. We follow following modules:

● Module 1 : Create the register credentials into the system and the user will upload the file in PDF format with text over plain background and also the system should recognize the pattern filter of the words from white space and read the content.

● Module 2 : Create a filter pass containing character reading, white space elimination and to transport the elements to another format. Create multiple tempaltes with images, title and page footer.

● Module 3 : Program to add the newly selected template and the pdf extracted words to the new pass in editable format. Converting the whole document into printable format.

C. Coding
We create the software in Visual Studio and used XML tags for scripting andto write codes in asp.net , c#, .java file. Also, backend coding is done using SQL server and authentication is done using sql server with jdbc connection.

D. Testing and deploying the app:
The software will be tested in Visual Studio and then deployed on a website using asp.net visual studio.

VI. RESULT

Figure 2. Register yourself by creating a username and password

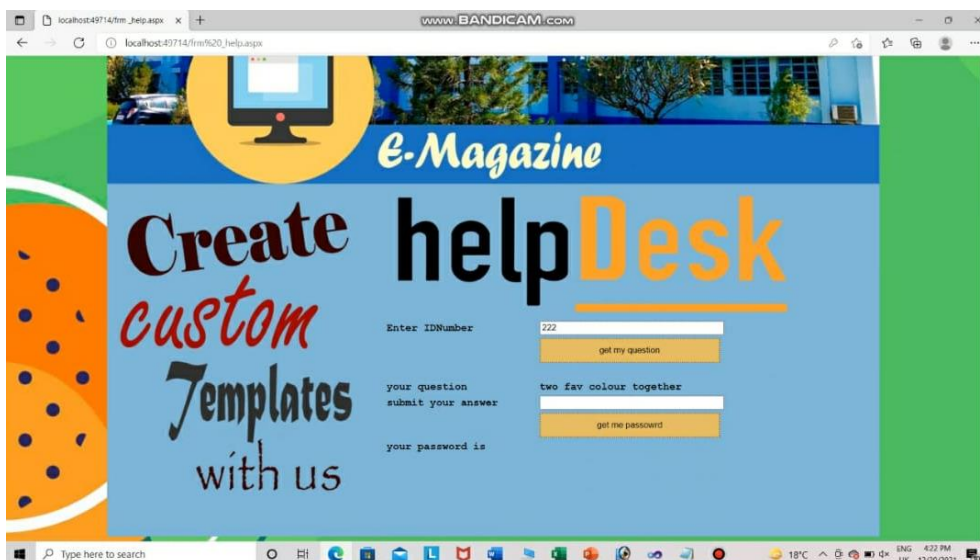Figure 3. Login using your registered credentials

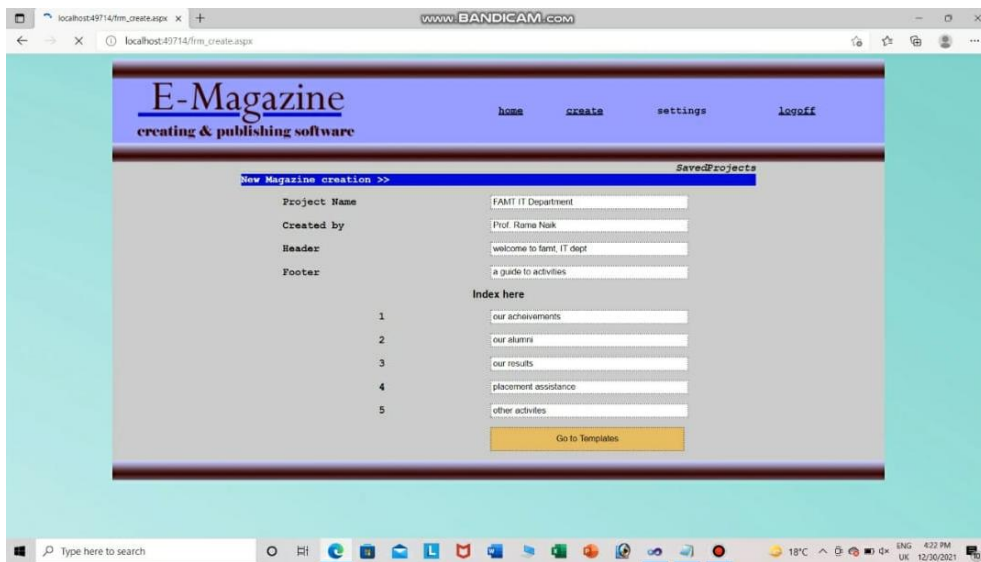Figure 4. Help desk incase the user forgets the password

Figure 5. Creating a new project

Figure 6. Home page with distinct types of templates, User can browse and select the template from readily availabletemplates
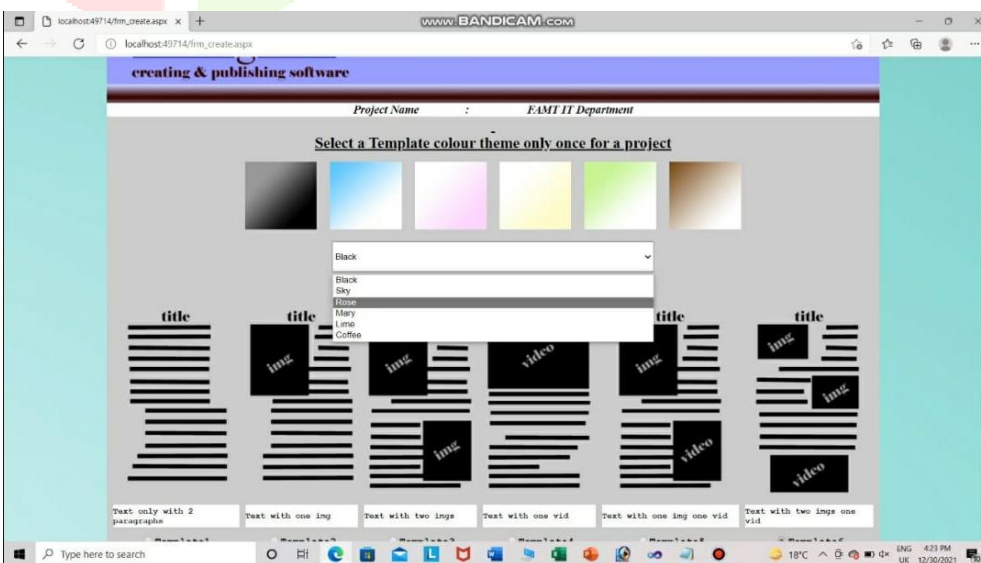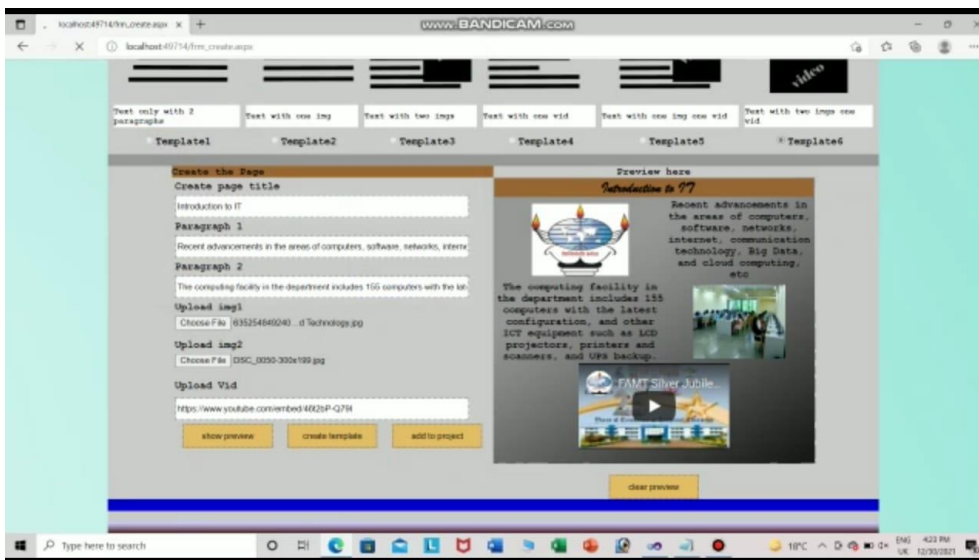

Figure 7. Choose the background colour for your template

Figure 8. User can include convenient text, images and video reference links, after selection of a suitable template
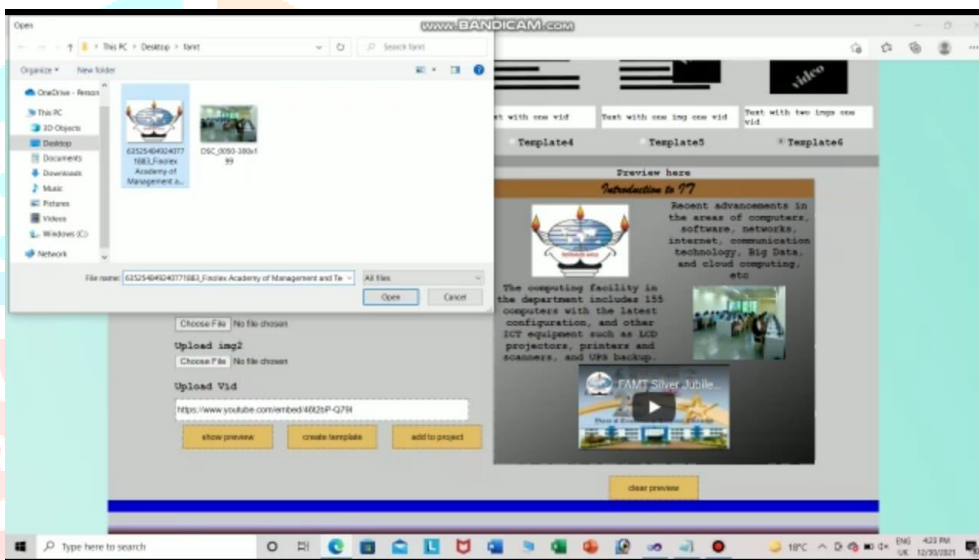
Figure 9
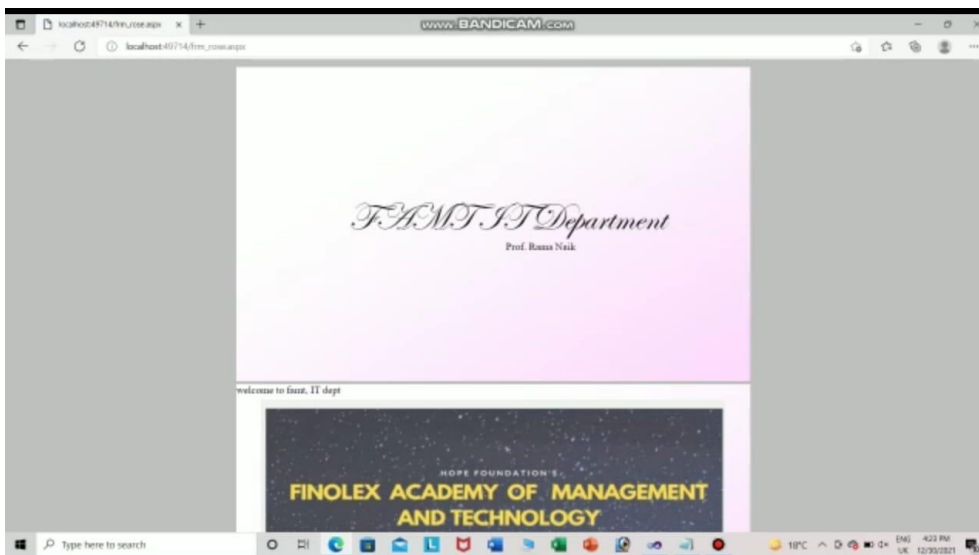
Figure 10. After finalizing the content user have to click on create button then magazine will become in printable format.
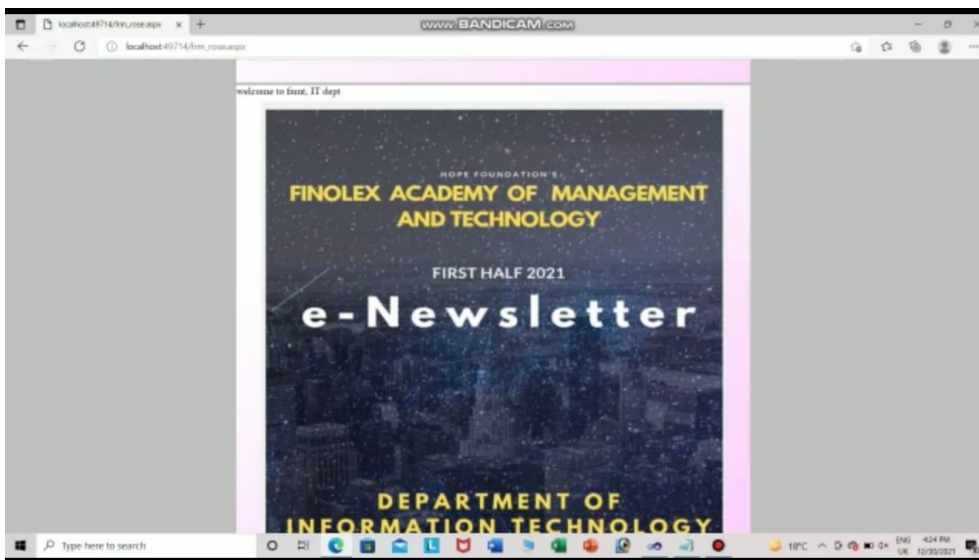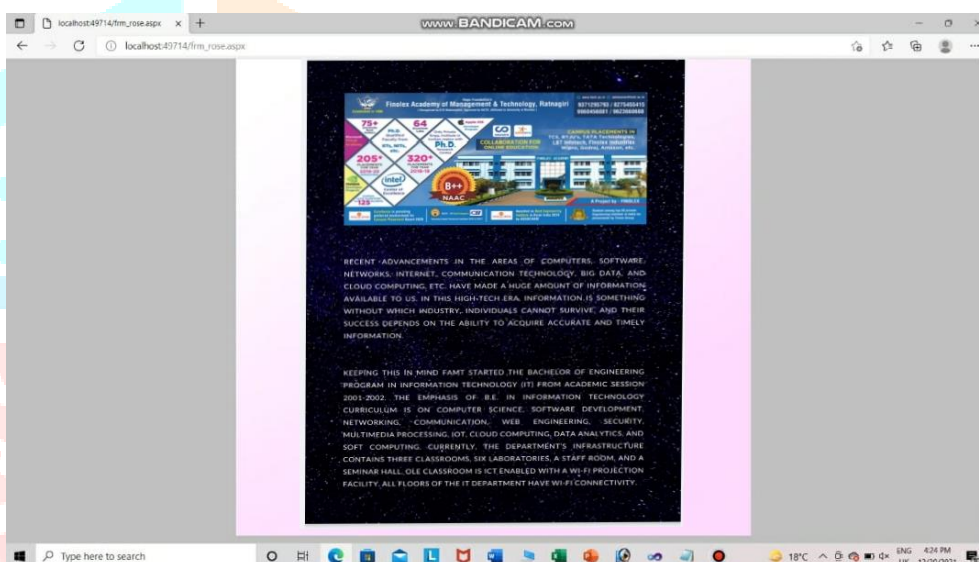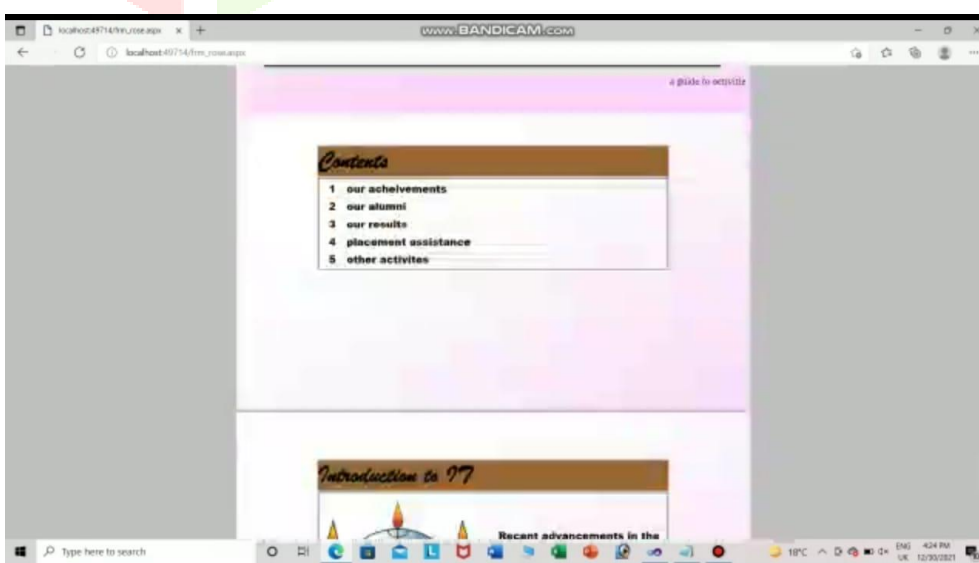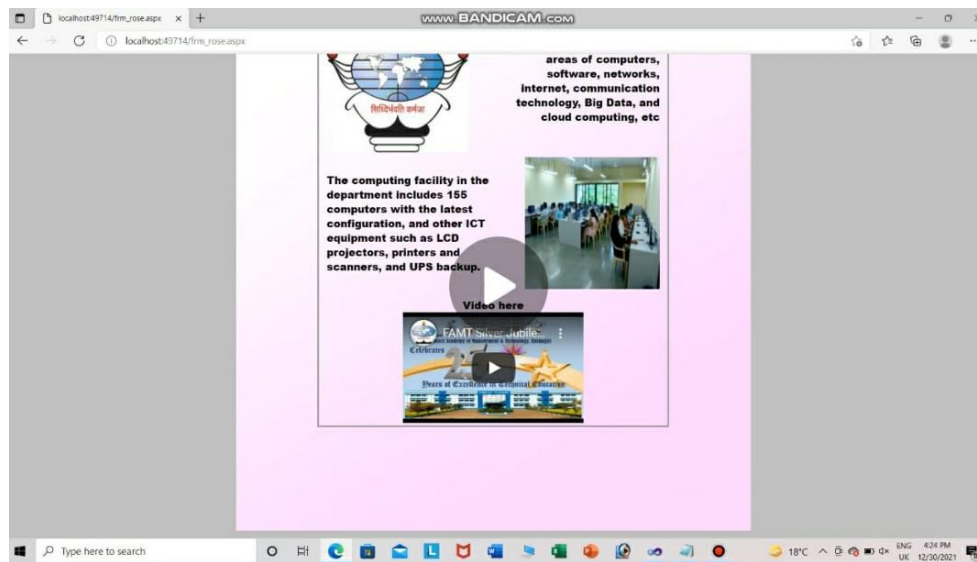
Figure 11

Figure 12

Figure 13

Figure 14

VII. CONCLUSION

A boom of online communication, including e-magazines or ezines, has resulted from the shift from getting information via paper to computers and mobile applications. In this paper, a system is proposed for creation and publication of an emagazine software. It has the ability to transform a traditional magazine feature into a replacement form in the virtual world. The main aim is to provide interactivity and flexibility in design. The system with pre-built page components, templates and layouts offer numerous possibilities to create professional designs. We present our work and demonstrate that these new formats of magazines have real advantages over traditional.

ACKNOWLEDGMENT

REFERENCES

[1] Silva, Dora. (2011). The Future of Digital Magazine Publishing. Information Services and Use .31.10.3233/ISU2012-0661.

[2] Siti Aishah Shah Bani, Norhisham Mohamad Nordin, Hafizul Fahri Hanafi (2018) Exploring the Conceptual Framework in E-Magazine Portal Development in Malaysia: A Case Study on Media Glam ISSN: 2278-3075, Volume-8 Issue-2S2 December, 2018

[3] S.K.Jerin, Dr.V.Kavitha, Dr.N.Revathy, D.Shajin EMagazine Portal For Colleges ISSN (Online) 2348 - 7968 | Impact Factor (2019) – 6.248

[4] Wardhani, Ariani & Sabana, Setiawan & Adriati, Ira. (2015). The Shift from Printed to Digital Magazine and Its Impact to Women Reader in Jakarta. Procedia - Social and Behavioral Sciences. 184. 10.1016/j.sbspro.2015.05.095.

[5] Luna-Nevarez, Cuauhtemoc & Mcgovern, Enda. (2018). On the Use of Mobile Apps in Education: The Impact of Digital Magazines on Student Learning. Journal of Educational Technology Systems. 47. 004723951877851. 10.1177/0047239518778514.