# **Ahsanullah University of Science & Technology**

Department of Computer Science & Engineering



**Information Pool System**

CSE 3224

Information System Design & Software Engineering Lab

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**Introduction:**

The Information Pool System is an online based web site that aspires to showcase news from various sites in one place. It aims to be the one-stop destination for people seeking information about current events of the world as well as find classifieds according to their requirements. It intends to become a single platform for both news articles and blogs posted by users, in order to provide impartial news to its users persistently.

**Objectives:**

* Users can find different news from various newspaper portals in one place
* Users can find information about events
* Users can post advertisements in the classifieds section
* Registered users can write blogs
* Security of users will be maintained very strictly

**Study of existing systems:**

There are existing systems such as Google News and Yahoo! News, which provides links to news articles from various publications in one place. There are also digital newspapers which provide news from one source only.

**Problems and Limitations of existing systems:**

* Existing systems do not allow users to post classified ads
* Users cannot post blogs in the same platform where news articles are posted
* In simple digital newspapers, news from only one source is published, which might fail to provide an impartial view of the happenings due to various political and social affiliations

**Goals of the proposed system:**

* Users can find news in one place, without having to go to various websites
* Users can find impartial news as they can read and compare news from various sources side by side
* Users can post different types of advertisement posts at a low cost
* Users can post blogs on different topics
* Users can search for articles using keywords
* It is environmentally friendly because papers won’t be wasted to print news

**Types of Users:**

People of all ages can use the system to look up news. However, bloggers have to be at least 18 years of age in order to post articles.

**Feasibility Analysis:**

**Technical Feasibility:**

Our site will be technically feasible due to the following reasons:

* Our site will be platform independent, so it will run on Windows, Linux and MacOS as long as they have a web browser
* Our site will have a user friendly interface
* Our site will have multiple user support
* Our site will have 4 levels of security
* We will use C#,ASP.NET framework, MSSQL and Visual Studio 2019 to make this site

**Economical Feasibility:**

To develop our website we don’t need any money rather we need man power. We use C#, ASP.NET framework, MSSQL,Visual Studio which are totally free of cost because these softwares are open source. We just need internet bills to access this.

* A team of 4 members requires to complete the task
* 12 weeks is required for developing the website
* Extra bills for phone is needed for communicating with the teammates
* The revenue for our website will mainly come from the ads users will post in the classifieds section, as well as the ads that will run on our site from external sources such as google ads and affiliate marketing
* Once a blogger gets established by getting a certain number of views consistently, they will receive a remuneration from us as well, which will encourage them to keep posting more articles

**Organisational Feasibility:**

**Performance:**

* Our site is very easy to adapt to for new users.
* It does not require any training or new skills
* It only requires a web browser and an internet connection

**Security:**

* Our site will have **4 levels of security-**

1. **Level 0:** For unregistered users to view news, blogs and ads
2. **Level 1:** For registered users to view, like and comment on news and blogs
3. **Level 2:** For bloggers to post, edit and delete articles
4. **Level 3:** For administrators to add articles and links as well as delete articles, links and comments for violating site policies

* Personal data of users will be encrypted in order to give them the highest level of security

**Maintenance:**

Our site will be easy to maintain. Its data will be kept in a database. Admins will be the highest level of authority and they will reserve the right to delete any article, comment or posts.

**Recommendation:**

After analyzing the factors such as the easy maintenance, low cost and lack of necessity for technical knowledge while using this system, we can recommend that it should continue due to its feasibility.

**Conclusion:**

Therefore this website will allow users to get all their daily necessary information in one location and search anything according to their requirements, as well as post blogs on various topics for others to see. Thus it will allow users to remain aware of all current news and ongoing affairs of the world.