

# IT314 Software Engineering Team 7

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## Software Requirements Specifications

Version 2.0

07 April, 2013

Winter 2012-13  
DA-IICT, Gandhinagar

## Overview

The purpose of this document is to present a detailed description of the requirements of our stakeholder. These requirements were found out by taking surveys, interviews, personal meetings with the client and internal discussions among the development team. This document is intended for both the stakeholders and the developers of the system and will be proposed to the Press Club of DA-IICT.

## Target Audience

This document is intended for the client to specify and explain all the requirements of the project as understood by the requirement gathering and analysing committee and for the technical team to follow the same for project development.

## Document Revision History

Version	Primary Author(s)	Description	Reviewer(s)	Date Completed
1.0	Section 1,2 – Abhishek, Akash  Section 3 – Nitish, Sumit, Surabhi, Swena  Section 4 – Sonu, Prashant  Section 5 – Sonu, Sumit, Surabhi, Swena  Section 6, 7- Abhishek, Sandeep	v1.0	Section 1-5 – Sandeep  Section 1-7 – Manjeet  Section 2-7 – Akash	19 Feb 2013
2.0	Nitish, Abhishek	v2.0	Sandeep	07 April 2013

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## 1. Introduction

### 1.1. Purpose

The purpose of this document is to define the requirements gathering process used to elicit requirements from the product stakeholders. It will serve as a guide for the developers on one hand and a software validation document for the prospective client on the other. It discusses the functional, non-functional, performance and development requirements and deliverables. It is an organized document with an aim to assist in designing, coding and testing of the software and reduce unnecessary development effort by clearly enlisting all the system requirements specification. It'll also help the development team visualize the scope of the project clearly.

### 1.2. Scope

The overall goal of the project is to rebuild the website of Entelechy (DA-IICT's Campus Magazine). The website is currently hosted on a popular, open source publishing tool and content management system (CMS) – 'WordPress' (*wordpress.org*). The new site will have a similar scope to the currently functional one. As in, it can be accessed by anyone through DA-IICT intranet and would require DA-IICT webmail ID for access from outside intranet. The website is currently being utilized to host articles written by our students and faculty. The website can be accessed from any platform like a browser, mobile phone - android and iOS etc. We would continue using WordPress for the enhancement of the site.

### 1.3. Clients and Stakeholders

**Client:** Core Committee and Faculty Mentor of the Press Club, DA-IICT

**Stakeholders:**

- Press Club, DA-IICT
- Student community, DA-IICT
- Faculty, DA-IICT
- Alumni, DA-IICT
- Developers – Team 7, IT314 Software Engineering, Winter 2012-13, DA-IICT

### 1.4. References

1. Solanki, Aakash et. al., Team 16 - NGO Information Management Suite 1.0 – Software Requirements Specifications, IT314 Software Engineering, Winter 2011-12, DA-IICT.

2. Shelat, Kaushik et. al., Team 18 - Bus Route Finder For Ahmedabad City - Software Requirements Specification, IT314 Software Engineering, Winter 2011-12, DA-IICT.

3. IEEE SRS Document format

<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=720574&userType=inst>

## **1.5. Deliverables**

- Project Proposal
- Feasibility Report
- Project Plan
- Software Requirements Specifications
- Requirements Traceability Matrix
- User Manual
- System Test Plan
- Gantt Chart
- Cost Estimation Document
- Software Quality Assurance Plan
- Software Configuration Management Plan
- Risk Management, Monitoring and Mitigation Plan
- Design Documents – High Level, Low Level, UI Design Documents
- Test Cases
- Test Reports
- Deployment Plan
- Product – Website

## **2. Overall Description**

### **2.1. Product Perspective**

Our Project aims to develop a new website for 'Entelechy' which satisfies various requirements of our clients and the end users – readers of Entelechy, i.e., the website solve the problems faced by the editors and provides new desired features. The Product aims at improving and developing features related to Information Architecture, Web Design, Interaction Design, etc.

### **2.2. Product Functions**

The product will provide all the existing functions to the users (all editors, authors and readers) of Entelechy and all the new desired requirements set out by the clients. It being the website of DA-IICT's campus magazine would have to deliver as a robust technical

platform which provides all the necessary services and functions for the campus magazine to pursue its mission and objectives, and work and operate smoothly; which includes removing technical glitches and shortcomings, ensuring that writers do not have to engage too much in 'managing' the website and can focus on the content related aspects of the magazine, enhancing the readers' experience of using the website, etc.

### **2.3. User Classes and characteristics**

Users can be broadly categorized on the basis of:

- a) Location of access:
  - 1) Intranet – users accessing the site within the DA-IICT campus. Anyone of these users can access the website.
  - 2) Internet – users outside DA-IICT campus. They will need there webmail ID to register as a user, only then they can access the site.
- b) Privileges:
  - 1) Administrator - Somebody who has access to all the administration features.
  - 2) Editor - Somebody who can publish, manage posts and pages as well as manage other users' posts, etc.
  - 3) Author - Somebody who can publish and manage their own posts.
  - 4) Contributor - Somebody who can write and manage their posts but not publish them.
  - 5) Subscriber - Somebody who can only manage their profile and read published posts.

### **2.4. Operating Environment**

We will work on the WordPress platform. We will use HTML, Java Script and CSS for the generic website development and front end coding. The back end coding of the server side information management system will be done in PHP. The main database creation will be done on MySQL and querying will be executed through PHP.

### **2.5. Assumptions and Dependencies**

The same as the ones which hold for the current Entelechy website, like – know-how of English language, computer and internet, and have internet connectivity which is easily satisfied by the DA-IICT Community – students, faculty and alumni.

## 2.6. Design and Implementation Constraints

Since our client had demanded to stay on WordPress platform, we will face some constraints i.e. we won't be able to easily tweak the basic bare bone structure which WordPress provides.

## 3. Specific Requirements

### 3.1. External Interface Requirements

#### 3.1.1 User Interface

**Description:** Overall look and feel the website would be improved. An interactive UI would be made. The specifications are-

- Showing the system generated popular articles list wise.
- Providing WordPress child theme for the website.
- Including the Table of Contents of particular edition of magazine on the website.
- Header containing Search bar and calligraphy logo of Entelechy.
- Details of each menu in the menu bar using a title window.
- Distinct layouts for 'Point-Counterpoint' section and 'Freeze Frame' section.
- Creating a new 'Bulletin Board' section.
- Integration with twitter providing twitter panel displaying tweets with hashtags and handlers of "DAIICT".
- Providing a robust search feature i.e. search by categories and editions.
- Like button for the post.

#### 3.1.2 Hardware Interface

Any computing machine – PC, tablet, smart-phone, etc. with internet access is the only hardware requirement from the user side to access the website. The website will be hosted on DA-IICT's servers.



### 3.1.3 Software Interface

Software	For
WordPress	To code, implement and deploy the website
XAMPP	Testing and Implementing
Google Groups	Team Coordination
Google Drive and Dropbox	Document sharing
Adobe Photoshop, Dreamweaver	UI design

### 3.1.4 Communication Interface

Internet browsers on any computing device.

## 3.2. System Features

The interfaces would be different for different categories of users. Overview of those features is as follows -

### 3.2.1 For Website Admin

Registration: Registration using DA-IICT webmail id.

Login: Entelechy admin can login using her/his username and password.

View/Update Profiles: Admin can view and update her/his profile. And can view others profiles as well.

Create/Update Editions and Categories: Admin can create/update new editions and can also add additional categories per edition if needed.

Upload and approve articles: Admin can upload her/his articles. She/he also has the right to reject or approve a pending article uploaded by an author or contributor.

Comment and Like: Admin can comment and like any article on the website.

### 3.2.2 For Editors (also known as Section Heads)

Registration: Registration using DA-IICT webmail id.

Login: Editor can login using her/his username and password.

View/Update profile: Editor can view and update her/his profile.

Upload and approve articles: Editor can upload her/his articles. She/he also has the right to reject or approve a pending article uploaded by an author or contributor.

Comment and Like: Editors can comment and like any article on the website.

### **3.2.3 For Students, Faculty and Alumni**

Registration: Registration using DA-IICT webmail id.

Login: User can login using her/his username and password.

View/Update profile: User can view and update her/his profile.

Upload articles: User can only upload articles (as drafts) for approval by either section-heads or admin.

Comment and Like: Users can comment and like any article on the website.

## **4. Non Functional Requirements**

### **4.1 Performance Requirements**

- Our website is a multi-user web interface. Since there can be an uncertain increase of the application users, our system should be able to handle the sudden burden of login requests which usually happens when a new edition is released, without causing decline in system performance or response time of an individual user. This is achievable by implementing the application at server with high configuration i.e. system that'll efficiently handle multiple client requests simultaneously.
- Our website, hosted on WordPress, interfaces with its dynamic database by itself. It subsequently grows on filling up new forms and articles by different category of end users.
- All the constituting project portions of the software should run and update independently without interfering with other portions, whereas common database will be shared and updated by users depending upon permission/restriction level.
- Different category of users (Administrator, Editor, Author, Contributor or Subscriber) will be provided with different access/modify permissions.

- The application shall be able to sustain the uploading or downloading of articles with proper authentication and user verification. It shall also be able to recover after crashes and undesired hardware failures.
- The application will be accessible to users 24x7, i.e. server will be on all the time.

## 4.2 Safety and Security Requirements

- The end users and administrators will be given 'unique' user-name to access the user account.
- If any user logs out, then the session is said to be closed and he has to login again to use the software i.e. he cannot get back with simply using 'Back' button of the web-based interface or application.
- Different levels of authority and permission is allotted to different category of users to prevent any ambiguity in uploading an article.
- The computer must be well protected from viruses and other Internet-based threats in order to avoid crashing of server system, as it is the most crucial of all the components.
- Database should be secured with appropriate passwords and data backup options.
- Any change in the information of the registered user in the module shall be immediately reflected in the database.

## 4.3 Software Quality Requirements

### 1. Maintainability

- The user must be able to browse through the application without any difficulty.
- All the requirements and system features are well documented in both, soft (in-built help) and hard versions user manuals which we intend to ship along with the product itself. Along with it, the user interface developed will be simple. Both these factors will attribute to efficient utilization of resources by user.

### 2. Portability

- The website is currently hosted on widespread, open source publishing tool and content management system (CMS) – 'WordPress'. The website can be accessed from any platform like a browser, mobile phone - android and iOS etc.
- There are no prerequisites for accessing the website on the host machine but having an internet connection with certain minimum speed for smooth access.
- Having latest updated browser is preferred for having a better experience.

3. Usability

- The website shall provide a self-explicable user friendly interface such that it is usable with minimum extent of struggle.
- All steps of the website development will be well documented to ensure maintenance of the product through lifetime.

4. Reliability

- We intend to provide facility of backup of entire system along with information for the admin and user to deal with problems like power failure, disk failure, etc.

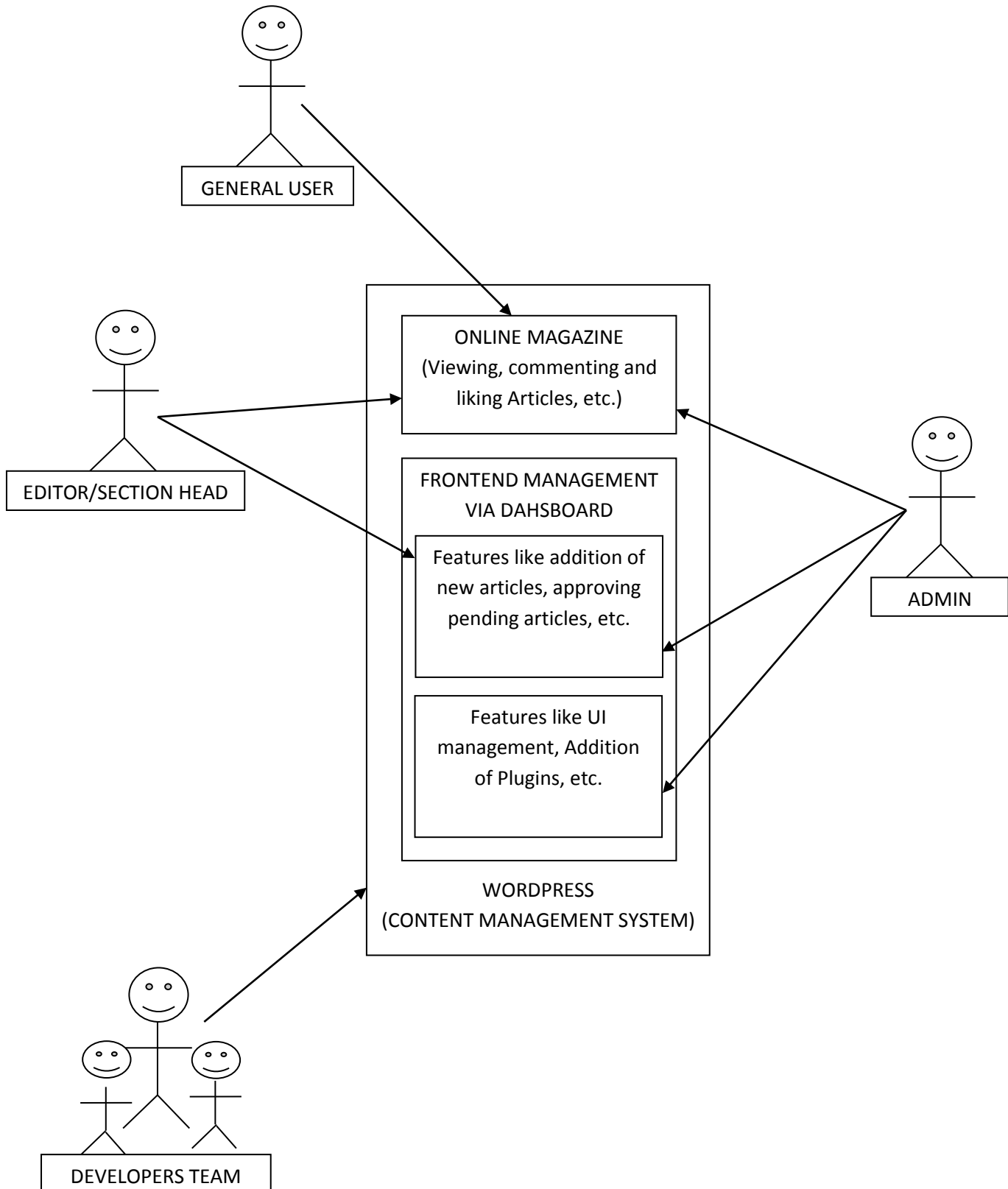
#### 4.4 Organizational Requirement

1. **Delivery:** The website must be ready and be delivered within an estipulate time as mentioned by the client.
2. **Standard:** The website should be deployed with a well framed user manual such that even a person with minimum technical knowledge can understand it.

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## 5. User Specifications

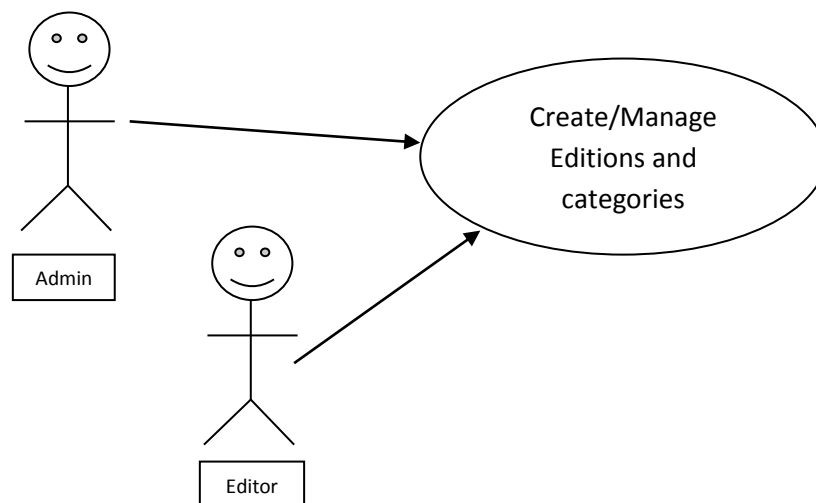
### 5.1 System Environment



## 5.2 User Description:

### U.1 Creating New Editions:

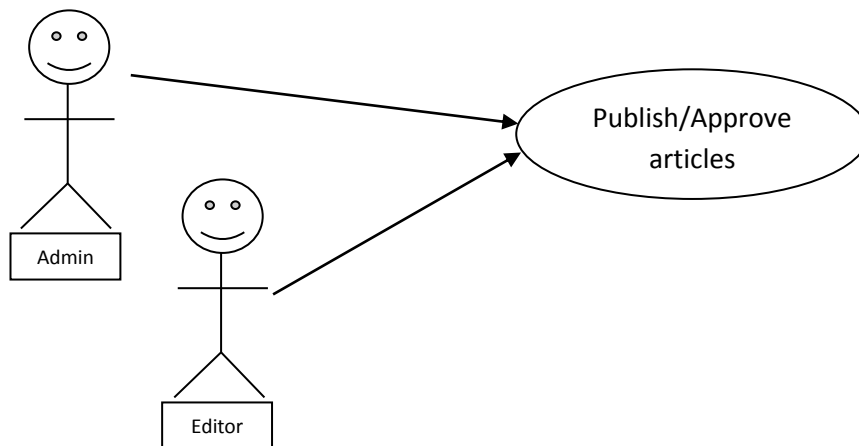
ACTOR	ADMINISTRATOR, EDITOR
DESCRIPTION	ADMIN CAN CREATE A NEW EDITION AND DEFAULT CATEGORY WILL BE ADDED AUTOMATICALLY AND MANAGE OTHER CATEGORY AS PER HIS NEEDS.
PREREQUISITE	-----
INPUT	ENTERING THE NEW EDITION NUMBER
PROCESS	SELECTING THE CATEGORY FOR THE EDITION AS PER THE NEEDS.
OUTPUT	NEW EDITION CREATED WITH CHOSEN AND DEFAULT CATEGORIES.
ERROR HANDLING	APPROPRIATE ERROR MESSAGE IS SHOWN IF EDITION NUMBER ALREADY EXISTS.



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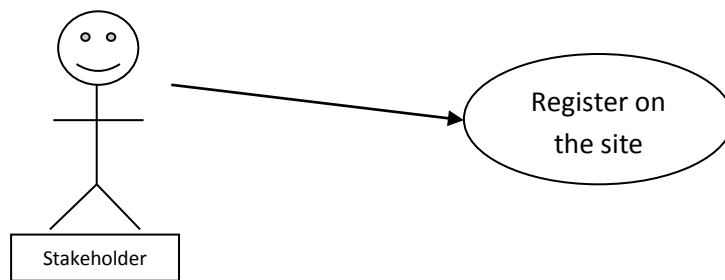
### U.2 Publish/Approve an Article:

ACTOR	ADMINISTRATOR, EDITOR
DESCRIPTION	ADMIN AND EDITOR CAN PUBLISH AND MANAGE THE ARTICLES. THEY CAN ALSO APPROVE ARTICLES PENDING FOR APPROVAL.
PREREQUISITE	-----
INPUT	ARTICLES.
PROCESS	READS THE ARTICLES AND IF FOUND APPROPRIATE UPLOADS THE ARTICLES IN A SINGLE CLICK.
OUTPUT	NEW ARTICLES GET UPLOADED UNDER CHOSEN CATEGORY.
ERROR HANDLING	-----



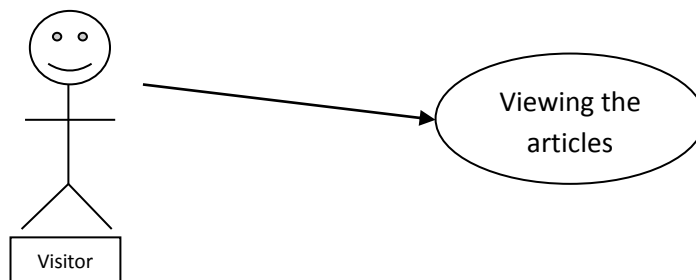
### U.3 Registration:

ACTOR	STAKEHOLDERS
DESCRIPTION	USERS CAN CREATE THEIR ACCOUNT ON ENTELECHY.
PREREQUISITE	SHOULD HAVE DA-IICT WEBMAIL ID.
INPUT	DA-IICT WEBMAIL-ID, USERNAME, PASSWORD.
PROCESS	USER ENTERS HIS/HER DETAILS AND AN EMAIL-VERIFICATION MAIL IS SENT.
OUTPUT	ACCOUNT IS CREATED FOR THE USER.
ERROR HANDLING	IF THE ENTERED EMAIL-ID ALREADY EXIST AN ERROR MESSAGE WILL BE DISPLAYED.



#### U.4 Viewing the Articles:

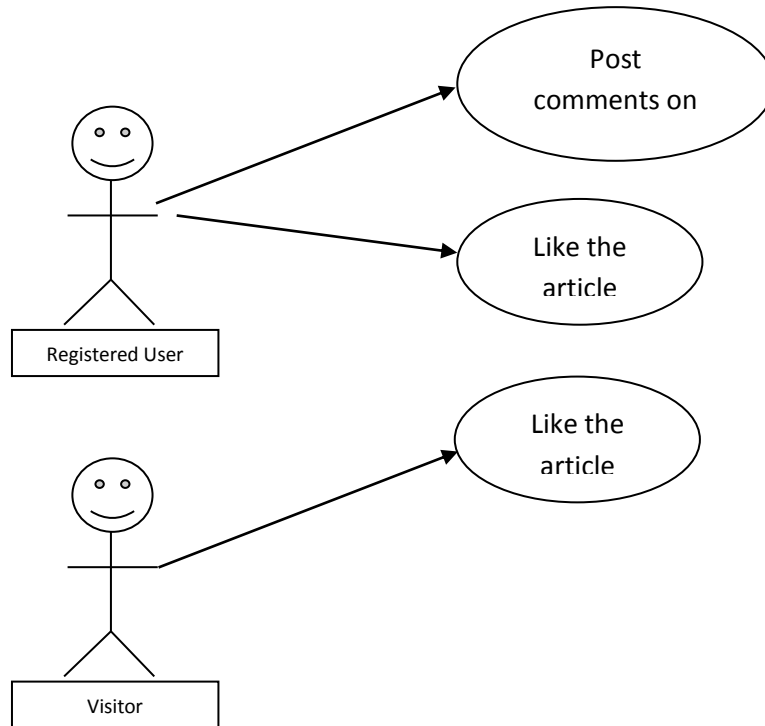
ACTOR	VISITOR
DESCRIPTION	ANYONE VISITING THE SITE CAN VIEW AND READ THE ARTICLES.
PREREQUISITE	-----
INPUT	-----
PROCESS	-----
OUTPUT	-----
ERROR HANDLING	-----



#### U.5 Post Comments on the Articles and Like the Articles:

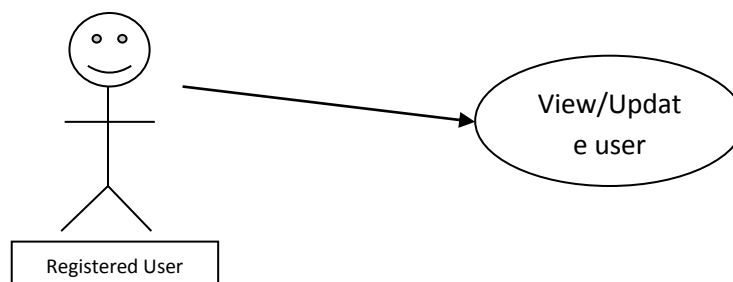
ACTOR	REGISTERED USER
DESCRIPTION	STAKEHOLDERS HAVING THE ACCOUNT CAN COMMENT AND ANY VISITOR CAN LIKE THE ARTICLES.
PREREQUISITE	USER MUST BE LOGGED IN.
INPUT	COMMENTS
PROCESS	USER WILL WRITE THE COMMENT AND/OR CLICK ON THE LIKE BUTTON.
OUTPUT	POSTED COMMENTS BECOME VISIBLE TO EVERY USER
ERROR HANDLING	IF USER HAVEN'T LOGGED IN BEFORE COMMENTING, SHE/HE WILL BE ASKED TO LOG IN.





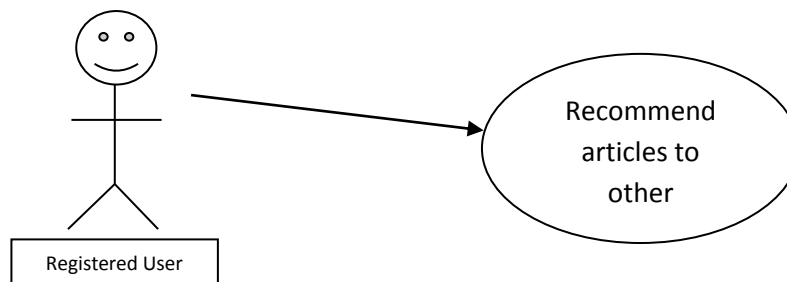
#### U.6 View/Update Profiles:

ACTOR	REGISTERED USER
DESCRIPTION	USERS CAN MAKE CHANGES TO HIS/HER PROFILE
PREREQUISITE	SHOULD HAVE ACCOUNT ON ENTELECHY.
INPUT	USERNAME AND PASSWORD.
PROCESS	USER WILL ENTER THE USERNAME AND PASSWORD TO LOGIN AND MAKE THE CHANGES AS PER HIS NEEDS.
OUTPUT	UPDATED USER PROFILE
ERROR HANDLING	IF USER DOESN'T HAVE PROFILE, ERROR MESSAGE WILL BE DISPLAYED.



### U.7 Recommendation of Articles:

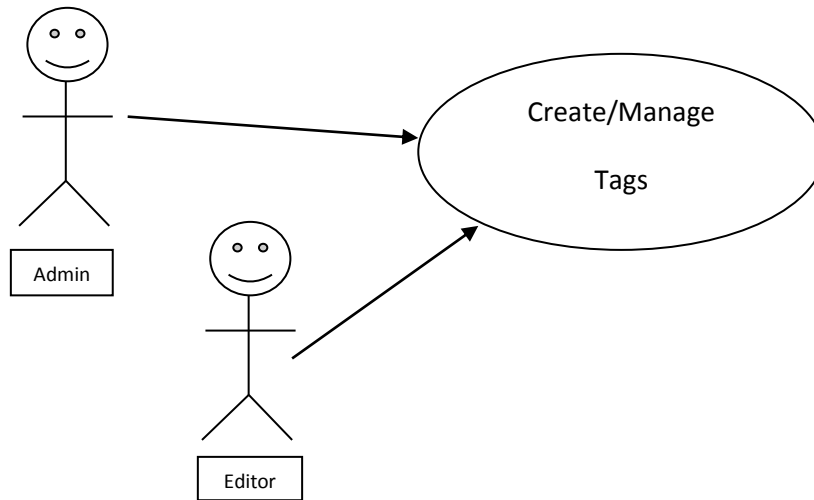
ACTOR	REGISTERED USER
DESCRIPTION	USERS RECEIVE RECOMMENDATIONS FOR ARTICLES
PREREQUISITE	SHOULD HAVE ACCOUNT ON ENTELECHY.
INPUT	USERNAME AND PASSWORD.
PROCESS	USER WILL ENTER THE USERNAME AND PASSWORD TO LOGIN AND COMMENT ON POST.
OUTPUT	MACHINE RECOMMENDED ARTICLES BASED ON NUMBER OF LIKES AND COMMENTS
ERROR HANDLING	IF USER HAVEN'T LOGGED IN, HE/SHE WON'T RECEIVE RECOMMEDATIONS



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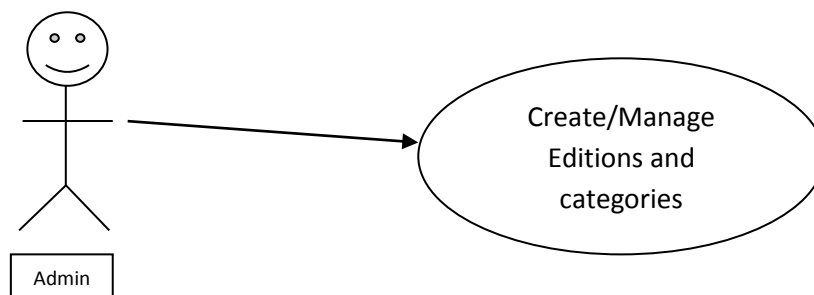
### U.8 Creating and Managing Tags:

ACTOR	ADMINISTRATOR, EDITOR
DESCRIPTION	ADMIN CAN ADD A NEW TAG AND THE DEFAULT TAG WILL BE ADDED AUTOMATICALLY AND MANAGE OTHER TAGS AS PER HIS NEEDS.
PREREQUISITE	-----
INPUT	ENTERING THE NEW TAG.
PROCESS	SELECTING THE TAG AS PER THE NEEDS.
OUTPUT	NEW TAG CREATED WITH CHOSEN AND DEFAULT TAGS.
ERROR HANDLING	APPROPRIATE ERROR MESSAGE IS SHOWN IF TAG NAME ALREADY EXISTS.



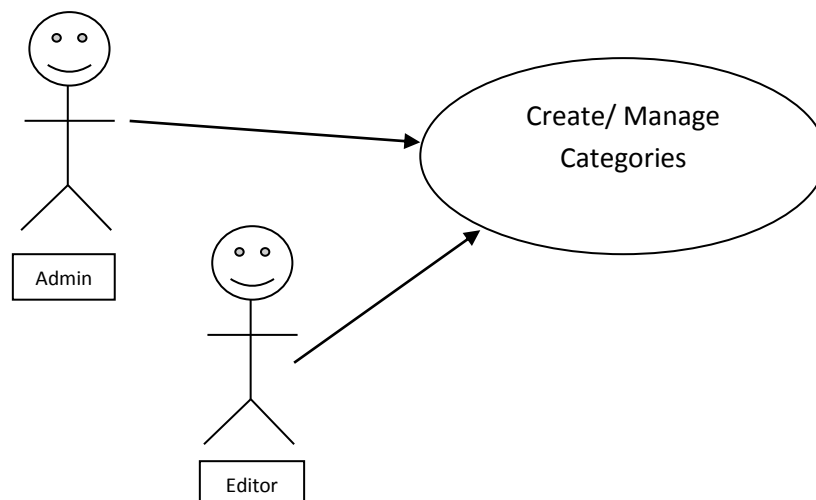
#### U.9 Editing Menu

ACTOR	ADMINISTRATOR
DESCRIPTION	ADMIN CAN CREATE A NEW MENU BY SELECTING TAXONOMY TO BE DISPLAYED AS MENU.
PREREQUISITE	-----
INPUT	SELECTING THE TAXONOMY
PROCESS	-----
OUTPUT	NEW MENU CREATED WITH CHOSEN AND DEFAULT CATEGORIES.
ERROR HANDLING	-----



### U.10 Creating New Categories

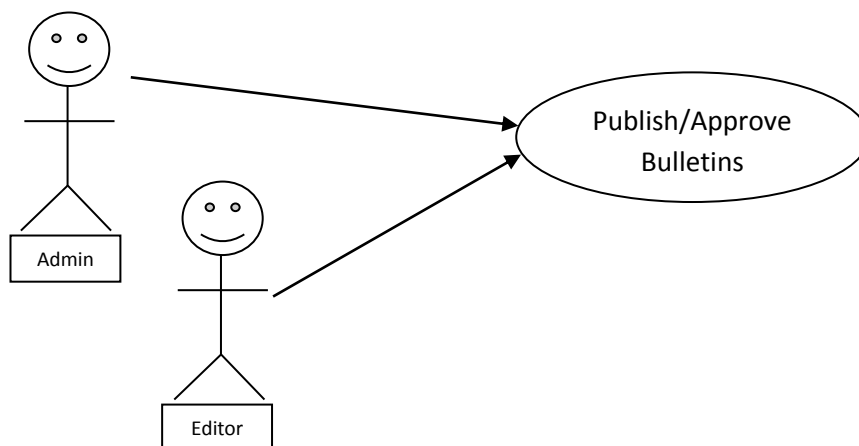
ACTOR	ADMINISTRATOR, EDITOR
DESCRIPTION	ADMIN CAN ADD A NEW CATEGORY AND THE DEFAULT CATEGORY WILL BE ADDED AUTOMATICALLY AND MANAGE OTHER CATEGORIES AS PER HIS NEEDS.
PREREQUISITE	-----
INPUT	ENTERING THE NEW CATEGORY NUMBER
PROCESS	SELECTING THE CATEGORY AS PER THE NEEDS.
OUTPUT	NEW CATEGORY CREATED WITH CHOSEN AND DEFAULT CATEGORIES
ERROR HANDLING	APPROPRIATE ERROR MESSAGE IS SHOWN IF CATEGORY NUMBER ALREADY EXISTS.



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**U.11 Publish/ Approve a Bulletin:**

ACTOR	ADMINISTRATOR, EDITOR
DESCRIPTION	ADMIN AND EDITOR CAN PUBLISH AND MANAGE THE BULLETIN.
PREREQUISITE	-----
INPUT	BULLETINS
PROCESS	READS THE BULLETINS AND IF FOUND APPROPRIATE UPLOADS THE BULLETINS IN A SINGLE CLICK.
OUTPUT	NEW BULLETINS GET UPLOADED.
ERROR HANDLING	-----



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## **Appendix A – Requirement Gathering**

This section includes all the interaction sessions of the team members with the client (i.e. Press Club Core Committee) and with Prof. Sanjay Srivastava who is the faculty mentor of Press Club. And includes the documents generated while gathering and analysing the requirements.

### **A.1 I Meeting with Press Club Core Committee:**

**Date:** 16 January, 2013

**Venue:** CEP Building

In this first formal meeting with our clients we received an overview of the working of the current website and what all features it lacks. They explained us why they need a new website, and what it should be like. The main concern for them was that they want a website which the future Press Club members can operate easily and thus do not have to spend much time managing or tweaking it, and can focus on the writing and readership related issues. Also, they want the new website to enhance the readers' experience and help the magazine achieve its vision and objectives as a campus magazine and as a platform for expression and creative writing.

### **A.2 II Meeting with Press Club Core Committee:**

**Date:** 23rd January, 2013

**Venue:** CEP Building

After the 1st meeting with the clients, we analysed all the information which they gave us, and prepared questions for further crystallizing that information so as to achieve clarity in the project requirements.

The two broad categories of questions that we asked to our client in this meeting, were:

- a) What kind of changes do they want from the perspective of an editor?
- b) What kind of changes do they want from the perspective of a user?

Continuing from our previous discussions which we had with our client during the planning phase we went into more depth and asked them about the specific features that they would like to have related to Information Architecture, redesigning and making the website more social etc.

During the discussion we tried to link the above two perspectives and also asked the client that what are the features they would surely want in the new website and in which one do they want to take the opinion of the users into consideration. For example, some of the features that are necessary to implement were:

- a) direct upload system
- b) 'Like' button
- c) Notification system etc.

And the features in which we have to take the users opinion were:

- a) Change in design from edition to edition
- b) Anonymity of the user during commenting.

### A.3 First Requirements Draft

After an extensive analysis of the information which our clients – the core committee of Press Club gave us; and further discussions via emails and social networking, with the alumni who were and are closely associated with Entelechy, we prepared a rough draft listing all the possible requirements. The target audience of this document were both our clients and other members of our project team.

The document is pasted below –

#### **Requirements Draft I**

Hi, this document is aimed to be an “holistic” list of “all” the requirements and features we have taught till date, i.e., all the possibilities we thought or our clients suggested.

When complete this document should be like a checklist which we can put to our clients to prioritize their requirements, and would also be used in User study.

So, try to add as much as you can and mention sufficient details and options related to it. Put your suggestions in comments.

#### **1. Improve the current Categories/Tags system**

- a. Edition Wise categorisation
- b. Categories of sections to be fixed
- c. Tags as authors name
- d. Author's name a distinct entity like 'tags' or 'categories', & diff from 'Uploader's name'.

#### **2. Archival Settings**

- a. Robust search feature in archives based on
  - a.1 categories
  - a.2 tags
  - a.3 author
  - a.4 edition
  - a.5 date
- b. If a user opens up an article from the archives -

b.1 The entire look and design of the magazine should get changed to of that particular edition

b.2 Just the header (if any) should change

b.3 The current edition's look and design stays

c. Editions from 1-23 to be put on the new website and

c.1 should provide as many functionalities/features of the current editions/articles as possible

c.2 should be in the same format/look/design as they were before Entelechy moved to WP.

c.3 create a separate database for them

c.4 put it on the same database as edition 24-onwards.

### **3. Direct upload system -**

a. Provide a 'Contribute' button on the new site through which any registered user can submit drafts of -

a.1 articles

a.2 snippets which could be published on a bulletin board page (if any)

a.3 info for team entelechy about some event, etc

b. Contributor must mark one or more appropriate section for the draft he/she is uploading and only the core editors and the particular section heads get notifications\* (notification system to be covered in detail below)

### **4. User profiles for -**

a. Each registered user

b. Only authors / Separate profile for Editorial team

c. Faculty / Separate profile for faculty

d. Alumni / Separate profile for alumni

### **5. User profiles should have -**

a. Bio

b. Picture

b. Writing history

c. Favorite articles

d. Contact

e. Distinct features hierarchy wise for -

e.1 subscriber

e.2 writer

e.3 editor

e.4 faculty

e.5 alumni

### **6. Visibility and privacy features of User profiles -**

a. completely public, i.e., one can view without logging in

b. partially public, i.e., some info is visible only to logged in users

c. Distinct for intra-campus and outside access



### **7. Recommendation System**

- a. 1-to-1 recommendation
- b. 1-to-all recommendation
- c. Machine generated recommendations based on -
  - c.1 random articles from archives
  - c.2 user's reading history
- d. Editor's choice of recommendations from the archives.

### **8. Email Notification System to notify** - (note: editor is also a section head and writer; a section head is also a writer; and a writer is also a subscriber/reader.)

- a. Editors in case of
  - a.1 Anyone uploads any article/snippet in any section
- b. Section heads in case of
  - b.1 Anyone uploads any article/snippet in their section
- c. Writers
  - c.1 Anyone comments on their article
  - c.2 Anyone likes their article
  - c.3 Anyone recommends their article
- d. Subscriber
  - d.1 Anyone comments on an article on which they commented
  - d.2 Anyone likes their comment on any article
  - d.3 Receives a recommendation

### **9. Like/Comment System**

- a. Like on article
- b. Like on comments
- c. Anonymous / Authorised Likes
- d. Authorised comments
- e. Distinct feature for subscriber / writer / editor / alumni / faculty

### **10. UI Design** - Overall design and look of the magazine will be improved - some specifics are -

- a. Provide a table of contents  
(example: <http://www.newyorker.com/magazine?intcid=magazine>)
- b. Provide (dynamic) themes which can be changed for every edition
- c. Provide (static) themes which need be changed once in a while (once in a sem)
- d. Provide Site map feature
- e. Contact us
- f. Navigation system
  - f.1 Tile based - horizontal navigation like in Windows 8.
  - f.2 Current system of Navigation
  - f.3 Mix of both
  - f.4 Something new?
- g. Header
  - g.1 Photo header

g.2 Calligraphic Entelechy logo or animation

h. Info about sections

h.1 menu bar should have some info about sections eg - 1-2 line description as mouse hover over a section button

h.2 description at the top of the section's page itself

i. Distinct designs and layouts for Point-Counterpoint section

j. Distinct designs and layouts for Freeze Frame (images) section

h. Provide a new 'bulletin board' section.

11. Provide feature for **Pre-publishing and editorial communication between editors, section heads and writers** in the comments on the respective articles. And the comments should automatically be hidden

#### 12. Twitter integration

a. @entelechy based

b. editor's handle based

c. #DAIICT based

d. #Entelechy based

e. Privacy and Censorship concerns

e.1 Real time fetching

e.2 Users can flag down tweets

e.3 Tweepie can decide whether they want their tweet to be visible on

Entelechy

## A.4 Meeting with Prof. Sanjay Srivastava

**Date:** 23rd January, 2013

**Venue:** Faculty Block II

Prof Sanjay Srivastava being the faculty mentor of the Press Club is an very important stake holder for our project. So, we went and discussed our ideas for the new website of Entelechy with him. We asked him what changes does he wish to see as a club mentor and also as a faculty member of the institute.

A basic overview of the features which he suggested for the website is as follows:-

- a) The website should look like it is a student run magazine, with some experiments on a regular basis.

- b) The content of the magazines should be more relevant to the campus. Constant updates about any event so that students can find information about the same.
- c) Archives system should be made robust.
- d) Readers should be able to know about the writers through the website.

## A.5 Online Survey

The survey form is pasted below -

### "Entelechy" Website Survey

Hi, DA-IICT's campus magazine - 'Entelechy' (<http://entelechy.daiict.ac.in/newsite/>) is soon going to be published on a 'new' website! So, we thought of quizzing the readers as to what changes/improvements would they like to see. Kindly fill up this survey to help us in re-designing our college magazine. Thanks. :) Regards, Press Club & Project Team 7, IT314 Software Engineering, Winter 2012-13.

\*Required

1. First, please tell us about yourself. \* You are?

- ☒ Student - BTech I
- ☐ Student - BTech II
- ☐ Student - BTech III
- ☐ Student - BTech IV
- ☐ Student - PG I
- ☐ Student - PG II
- ☐ Student - PhD
- ☐ Alumni
- ☐ Faculty

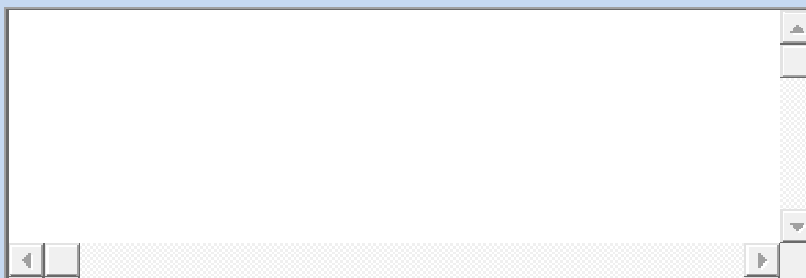
2. How are you associated with Entelechy? \* (Current Association Only)

- ☐ No association ('Entelechy', eh! What's that?)
- ☐ Occasional Reader (I just read few popular articles, once in a while)
- ☐ Regular Reader (I follow every edition and read most of the articles)
- ☐ Writer (I not only read but I write articles as well)
- ☐ Editor (Section Head or Editorial Team member)

3. What do you think of the current Entelechy website? \* Please tell us about your experience of using the website.

- ☐ It's dull - lacks good features and design
- ☐ It's okay - has basic features and tolerable design
- ☐ It's good - has nice features and neat design
- ☐ Other:

4. What do you think the current website lacks? And do you have any suggestions for the new website? Any specific issues? Any other website whose design or features you like and want us to look in to? (Optional)



5. Given a 'Like' button on Articles and Comments. Would you like to 'Like' as anonymous user or by your own user name? \*

- ☐ Anonymous - I won't like to reveal my identity in 'Likes'

☐ Own user name - I would like others to know that I've liked an article/comment

☐ Either ways - doesn't really matter

6. Would you like to contribute to a new 'Bulletin Board or Campus News-&-Snippets' section? \* Through a web form based direct upload system on the website.

☐ Yes

☐ No

☐ May be

7. As 'Readers', would you like to receive email notifications from Entelechy? \*

☐ when you receive recommendations of articles from other users

☐ when someone likes your comment

☐ when someone replies or comments on your comments

8. Would you like to see new designs and themes in every edition? \* We mean the 'new' designs and not just current ones.

☐ Yes, every edition should look a lot different from the previous one

☐ Somewhat yes, make some substantial changes in every edition

☐ No, I won't like too much change too often

☐ Somewhat no, try to retain the essential aspects of design (eg. header)

☐ Other:

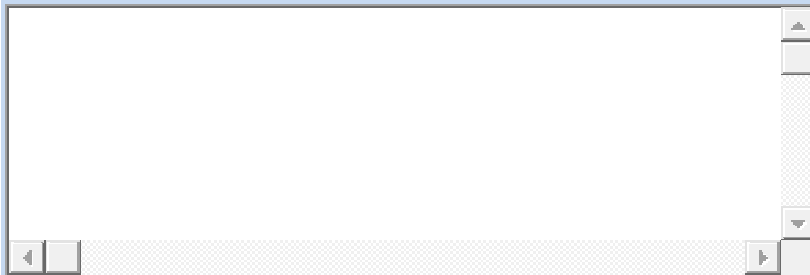
9. Would you like all your Tweets with hash tag "#DAIICT" to be displayed on the new website?

☐ Yes

☐ No

☐ May be

10. Lastly, in the long run, what do you think should be the purpose of Entelechy - as a college magazine and as a platform of expression? Your response will help us making in the design more context sensitive. (Optional)



The results of the survey are as follows –

(123 responses)

1.) First, please tell us about yourself.

Student - BTech I	23	19%
Student - BTech II	38	31%
Student - BTech III	27	22%
Student - BTech IV	17	14%
Student - PG I	6	5%
Student - PG II	4	3%
Student - PhD	0	0%
Alumni	7	6%
Faculty	1	1%

2.) How are you associated with Entelechy?

No association ('Entelechy', eh! What's that?)	8	7%
Occasional Reader (I just read few popular articles, once in a while)	65	53%
Regular Reader (I follow every edition and read most of the articles)	25	20%
Writer (I not only read but I write articles as well)	20	16%
Editor (Section Head or Editorial Team member)	5	4%

3.) What do you think of the current Entelechy website?

It's dull - lacks good features and design	18	15%
It's okay - has basic features and tolerable design	75	61%
It's good - has nice features and neat design	29	24%
Other	1	1%

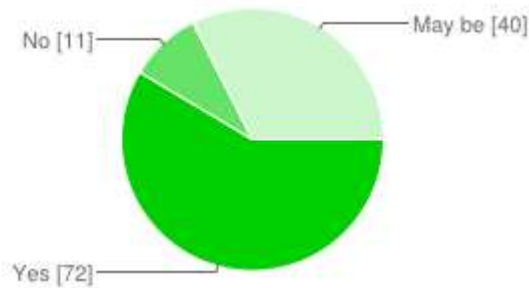
4.) What do you think the current website lacks? And do you have any suggestions for the new website?

Author profiles, where an author's previous work etc. can be obtained in one glance. Everything does anything and everything to make it popular.1. A description of what the different sections mean, maybe on mouse-over. For example, for an occasional reader, it is difficult to figure out what 'Vuelo' means or what category of articles it contains. I don't want to have to Google it. 2. A better way to browse the archives, and some good search facility (whether we want to search the current issue or the archives). 3. Perhaps you may want to try out an up vote/down vote system on the articles or the co...

5.) Given a 'Like' button on Articles and Comments. Would you like to 'Like' as anonymous user or by your own user name?

Anonymous - I won't like to reveal my identity in 'Likes'	35	28%
Own user name - I would like others to know that I've liked an article/comment	37	30%
Either ways - doesn't really matter	51	41%

6.) Would you like to contribute to a new 'Bulletin Board or Campus News-&-Snippets' section?



Yes	72	59%
No	11	9%
May be	40	33%

7.) As 'Readers', would you like to receive email notifications from Entelechy?

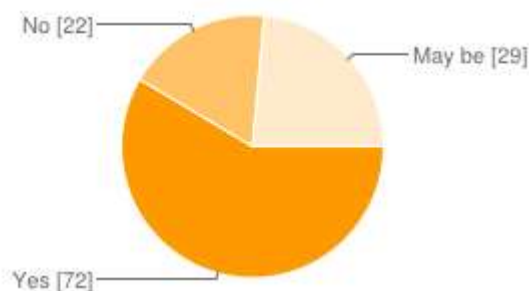
when you receive recommendations of articles from other users	80	65%
when someone likes your comment	48	39%
when someone replies or comments on your comments	78	63%

People may select more than one checkbox, so percentages may add up to more than 100%.

8.) Would you like to see new designs and themes in every edition?

Yes, every edition should look a lot different from the previous one	38	31%
Somewhat yes, make some substantial changes in every edition	42	34%
No, I won't like too much change too often	27	22%
Somewhat no, try to retain the essential aspects of design (eg. header)	15	12%
Other	1	1%

9.) Would you like all your Tweets with hashtag "#DAIICT" to be displayed on the new website?



Yes	72	59%
No	22	18%
May be	29	24%

10.) Lastly, in the long run, what do you think should be the purpose of Entelechy - as a college magazine and as a platform of expression?



A platform for expression. I just don't want it to end up as a platform for amateurs. True, that we all can be considered amateurs, but we need to maintain a certain level of quality which separates us from other youth magazines etc. We can invite other writers apart from the students to write up. Probably have a polling where readers can decide who they want to write in the next ed. Contact that person and let him/her know there's a demand. Both just that - a college magazine, a platform of expression for writers and budding journalists, perhaps if you garner a good amount of readership... (contd...)

Number of daily responses



## Appendix B – Glossary

- **FUNCTIONAL:** Relating to or based on function especially as opposed to structure.
  - **SYSTEM:** A set of things working together as a mechanism or interconnecting network.
  - **CLIENT:** A person using services of a professional person or organization.
  - **END-USER:** Users at the end-points or one using the final product.
  - **STAKEHOLDER:** Someone entrusted to hold the stakes for two or more persons betting against one another.
  - **SERVER:** A computer that provides client stations with access to files and printers as shared resources to a computer network.
  - **LOGIN/LOGOUT:** Entering into and going out of the system.
  - **WORDPRESS:** It is open source content management system based on PHP and MySQL and has features like plug-in and template system.
  - **CMS:** Content Management System (CMS) is a program that allows publishing, editing and modifying content as well as maintenance from the central interface and also manages the workflow.
  - **FRONT-END:** End user facing view of the CMS
  - **DASHBOARD:** The Dashboard is a tool to quickly access the most used areas of your blog's Administration and to provide glimpses into other areas of the WordPress community.
  - **PLUGINS:** Plugins are tools to extend the functionality of WordPress.
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