Software Requirements Specification (SRS) Doc
IIIT Press Portal,
Team no. 18
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Brief problem statement

The project demands for a college press portal where in all the media related activities of the institute can be tracked and all the pictures, videos and posters of the events organized throughout the year can be stored for future reference.

System requirements

- *SEO*
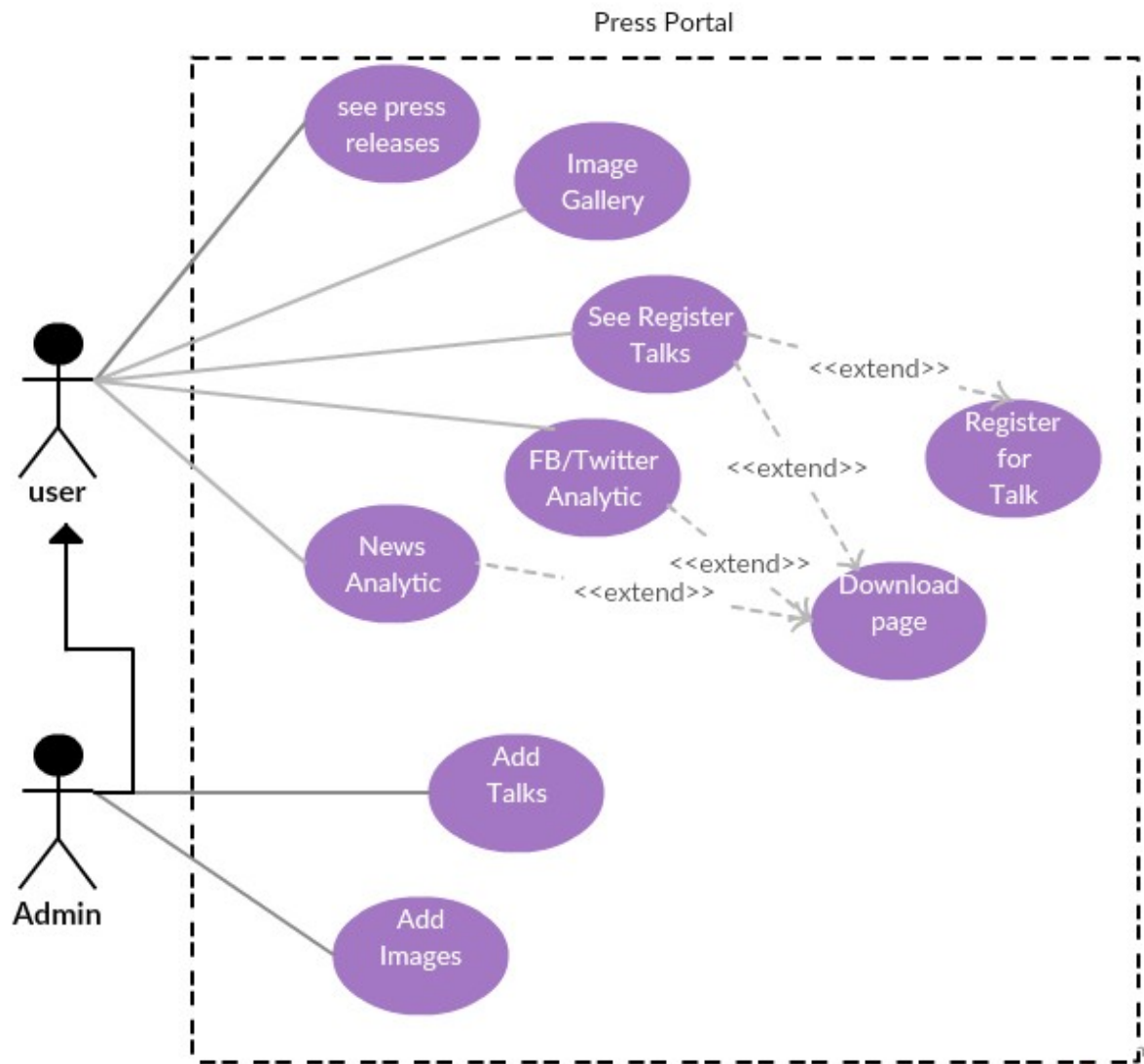- *MVC framework (Django)*

Users profile

- *Administrator: Well acquainted with the use of computer.*
- *Users: Not expected to know much about computers. Should atleast know*

how to open a website.

Feature requirements (described using use cases)

No.	User Case Name	Description	Release
1.	*See Press Releases*	*Here the Users can see all the press released*	*R1*
2.	*Image Gallery*	*In this Part of the website Users can see all the Images of the events happened in IIIT H and can also download the images if they want*	*R1*
3.	*See Register Talks*	*Here the Users will come to know about the upcoming Talks and at the*	*R1*

		same can also read the talks of the faculty which are already done and if they want to download it , they can also download	
4.	*FB/ Twitter Analytics*	*Posts from facebook and Twitter which mention IIIT or IIIT entities*	*R2*
5.	*News Analytics*	*Here users can see Scraped Google News related to IIIT .*	*R2*
6.	*Talk Registration*	*For faculty to register talks, provide info on the speaker and his social profiles for tagging*	*R1*
7.	*Add Images*	*Here admin can add Images or delete*	*R1*

Use case diagram

USER CASE DESCIPTION TABLE

Use Case Number:	1
Use Case Name:	*See Press Releases*
Overview:	Here the user can see all the press releases of the IIIT hyderabad with the date and time on which they are released.
Type:	*Primary*

Actors:	User
Pre condition:	No pre condition is required
Flow:	Main (success) Flow: 1. User can see some of the press releases of the IIIT H 2. To know more about the event user will click on it 3. Then user can see the date,time and venue etc of the event 4. For seeing all the press releases their will be an option , by clicking on it person can see all the press releases.
Post Condition:	True

Use Case Number:	2
Use Case Name:	Image Gallery
Overview:	Here the user can see the images of the events of IIIT hyderabad
Type:	Primary
Actors:	User
Pre condition:	No pre condition is required
Flow:	Main (success) Flow: 1. User can see some of the Images of the IIIT H on the Home Page.

	2. For seeing all the Images their will be an option , by clicking on it person can see all the Images. 3. If User want's to download the Image then user can download it by choosing the appropriate option.
Post Condition:	*True*

Use Case Number:	*3*
Use Case Name:	*See Registered Talks*
Overview:	*Here the user can see all the upcoming Talks and the important information about it like the date,time and venue , Talk Title , Presenter , etc .*
Type:	*Primary*
Actors:	*User*
Pre condition:	*No pre condition is required*
Flow:	*Main Flows:* 1. *A registered talk will be shown on the main website to all the users .* 2. *All the user's can register for talks.* 3. *All the people can RSVP to the talk and fill a details form for their name and other details.*
Post Condition:	*True*

Use Case Number:	4
Use Case Name:	*FB/ Twitter Analytics*
Overview:	*Scrape Posts from facebook and Twitter which mention IIIT or IIIT entities*
Type:	*Secondary*
Actors:	*User*
Pre condition:	*We need to have access to facebook and twitter pages.*
Flow:	*Main (success) Flow:* 1. *No preset API for twitter is available but export function(CSV) can be used to get Data .* 2. *Facebook provide graph API so we can directly use those API to get data.* *.*
Post Condition:	*True*

Use Case Number:	*5*
Use Case Name:	*Google News Analytics*
Overview:	*Here users can see Scraped Google News related to IIIT .*
Type:	*Primary*
Actors:	*User*

Pre condition:	No pre condition is required.
Flow:	Main (success) Flow: 1. There are APIs by google which extracts the related text from the given website and links too from their source code of the page
	Alternate Flow: If the APIs does not work then we use python libraries such as urllib and BeautifulSoup for scrapping google news
Post Condition:	True

Use Case Number:	6
Use Case Name:	Talk Registration
Overview:	For faculty to register talks
Type:	Primary
Actors:	Admin
Pre condition:	Faculty should be login
Flow:	Main (success) Flow: 1. A registered talk will be shown on the main website to all the users 2. a registered talk provide info on the speaker and a link to his social profile for tagging him 3. It will include , date , time and the venue of the talk.

	Alternate Flow: * If the APIs does not work then we use python libraries such as urllib and BeautifulSoup for scrapping google news*
Post Condition:	*True*

Use Case Number:	*7*
Use Case Name:	*Add Image*
Overview:	*Here admin can add Images or delete*
Type:	*Primary*
Actors:	*Admin*
Pre condition:	*Admin i.e social media team should be log in.*
Flow:	*Main (success) Flow:* 1. *Admin have to seperately upload the images which he want's to appear on the home page.* 2. *Date and time of the image will be automaticaly stored.* 3. *Admin have to give the caption to the Images.* 4. *Admin can also delete and image.*
Post Condition:	*True*

Use Case Number:	*8*

Use Case Name:	*URL Shortener*
Overview:	*It shortenes the long URL*
Type:	*Secondary*
Actors:	*User*
Pre condition:	*We should know the long url which we want to shorten*
Flow:	*Main (success) Flow:* 1. *There will be a edit box where we can paste a longer URL for a web page.* 2. *Then click on shorten button.* 3. *It will search for that key in its database , if that key doesn't exist then a unique will be assigned to the URL that we supplied.* 4. *It saves that key in its database.*
Post Condition:	*The key we supplied to database should get permanently saved in our database.*