

# PORTFOLIO

Jayanta Madhab Borah

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UI/UX Design, Graphic Design

# About me

I am an M-Des student at Design Programme at IIT Kanpur. I am interested in UI/UX design, Graphic design and Interaction design.

## Education

2012* - IIT Kanpur M-Des	8.5/10
2011 - NIT Hamirpur B-Tech in CSE	6.65/10
2006 - Cotton College Class 12 (Higher Secondary)	67%
2004 - St. Andrew's School Class 10 (HSLC)	80%



## Skills

Photoshop, Illustrator, Indesign, Premere pro, Google sketchup, Intermediate skill in C++, Core java , HTML.

## Contact

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+91 9652343300

# Projects

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# Mathapacchi

Board game

## About

Mathapacchi ( meaning: brain teaser in Hindi ) is a collection of three board games "Adal Badal", "Rann Poat" and "Takari" , which can be inserted in the main board in the form of cartridges. The games have been designed for children.

## Analysis ( popular board games )



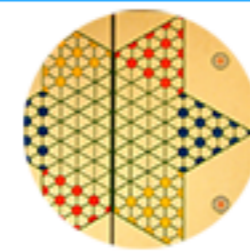
Chess



Ludo  
2 versions



Checkers  
5 in 1



Chinese  
Checkers



## Design

DESIGN GOALS  
SIMPLE RULES

PSYCHOLOGICAL  
DEVELOPMENT

VERSATILITY

PROBLEM SOLVING  
STRATEGY  
MATHS SKILLS

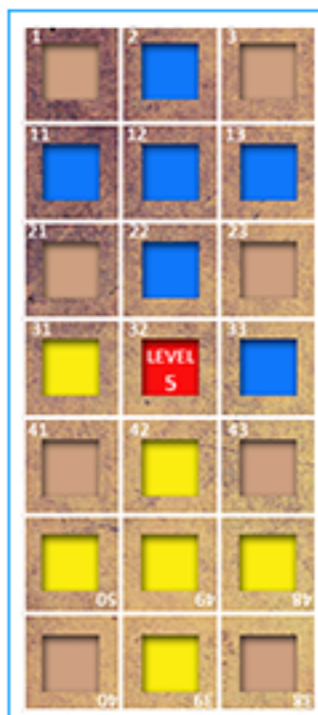
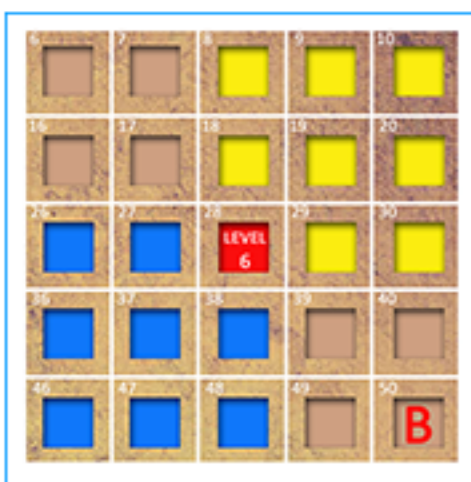


# Gameplay

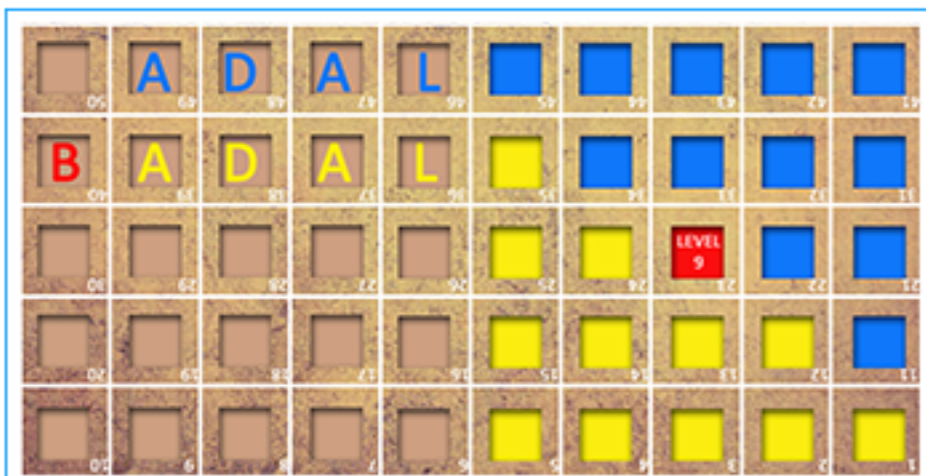
## Adal - badal



- Place units in respective areas
- Red cell is empty
- Transfer all units from one area to the other, through the red cell.
- Only forward and side movements allowed.



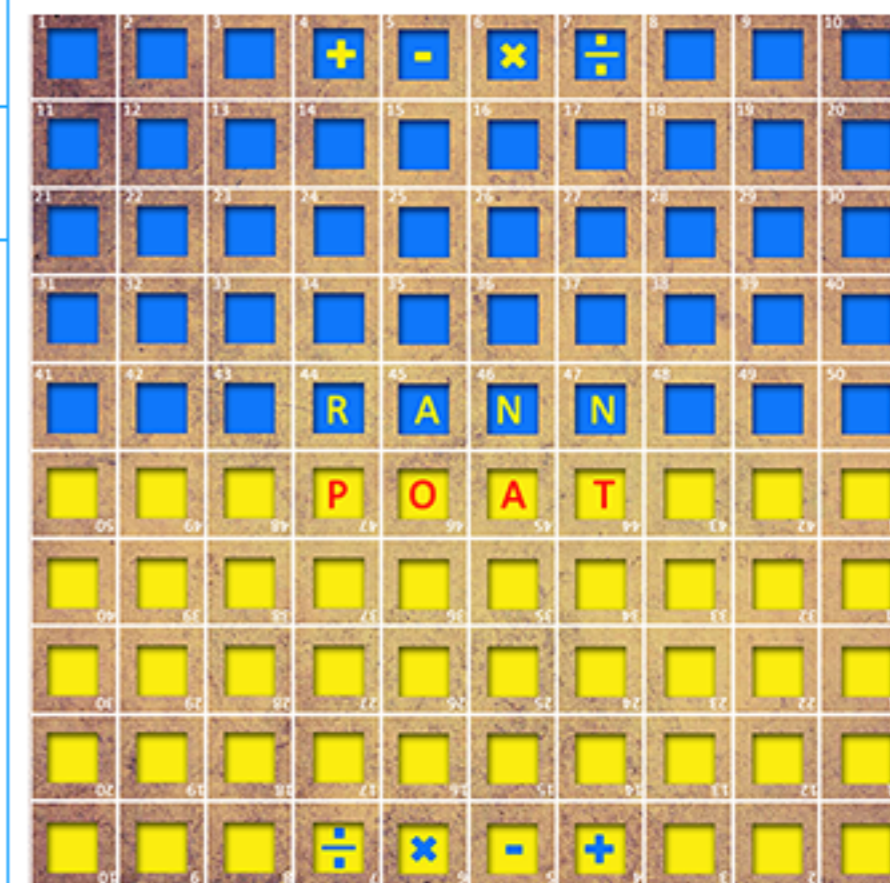
Up to 9 levels - with increasing difficulty



## Rann poat



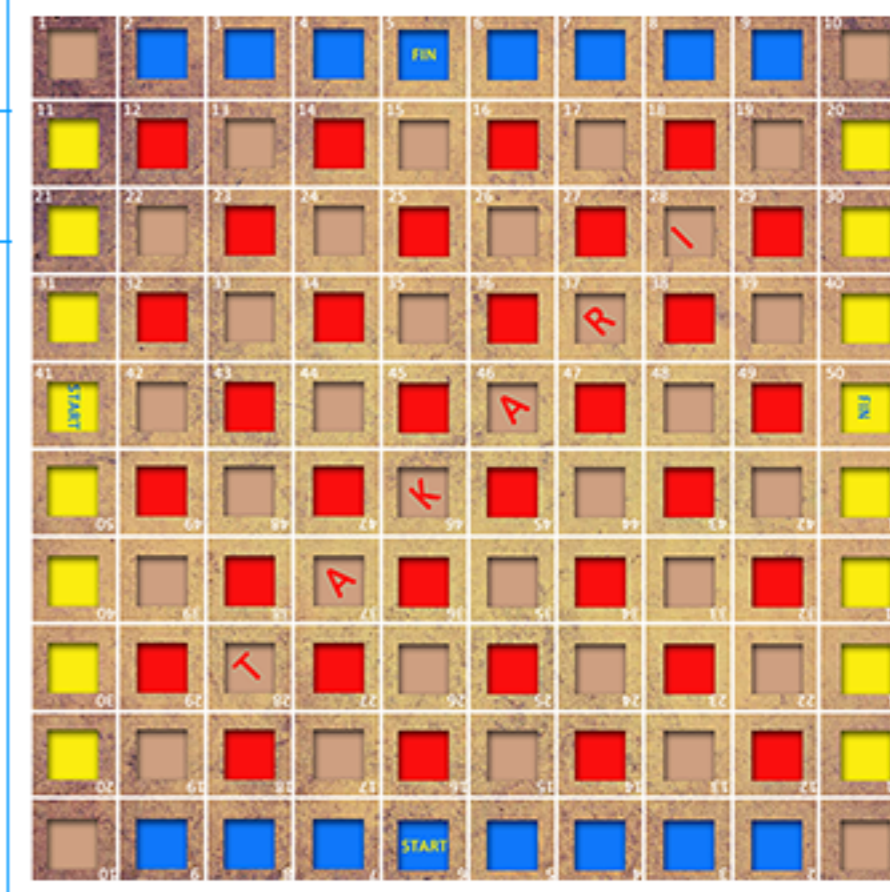
- Place units randomly
- Roll a dice
- $X = (\text{Dice outcome}) (\text{Operator}) (\text{cell number})$
- Opponent's unit on X cell number is killed.
- Occupy X
- Eliminate opponent



## Takari



- Place units in respective areas
- Aim is to move units from start to finish
- Single move each turn
- Units can jump over a single opponent unit.
- Units cannot jump over units on red cell

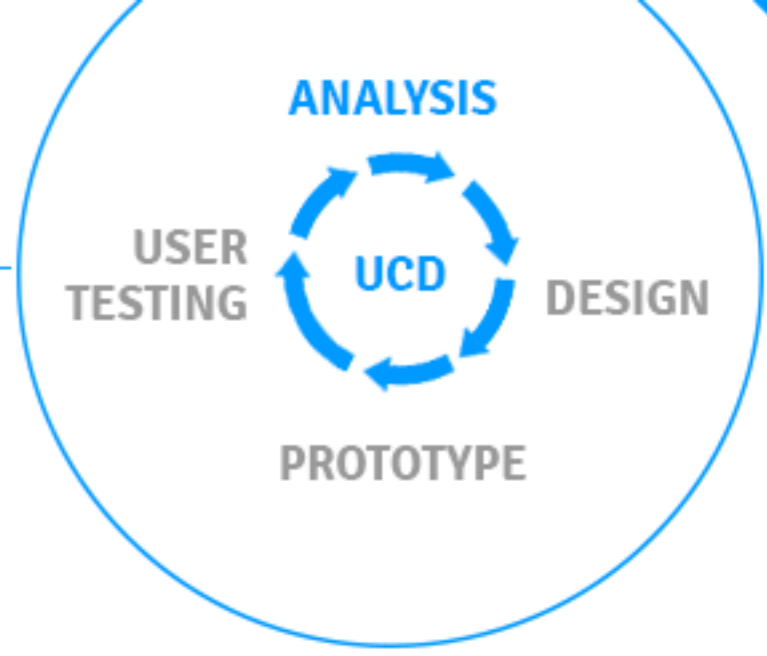


**EVEN CHECKERS AND CHESS CAN BE PLAYED ON THE SAME BOARD OF TAKARI**

# Lost and Forgotten India

Website design

## Design Process



### ANALYSIS

User research : Personas and Scenarios

#### Historical Enthusiasts



**Shailendra Yadav**  
35 years  
B.A in history

Interested in saving monuments in locality and promote tourism.  
He cannot afford to maintain a website.  
He wants to publish history books.

#### Mythological Enthusiasts



**Sajjan Dixit**  
35 years  
Priest at  
Brahmava ghat

He wants people to be made aware of the other places in Bithoor which also have historical as well as mythological importance.

#### Travel journalist / documenter



**Abhinav Sinha**  
25 years  
Photographer,  
Traveller

He looking for new sites for photography.  
He likes to share his eperiences of travel in social networking sites

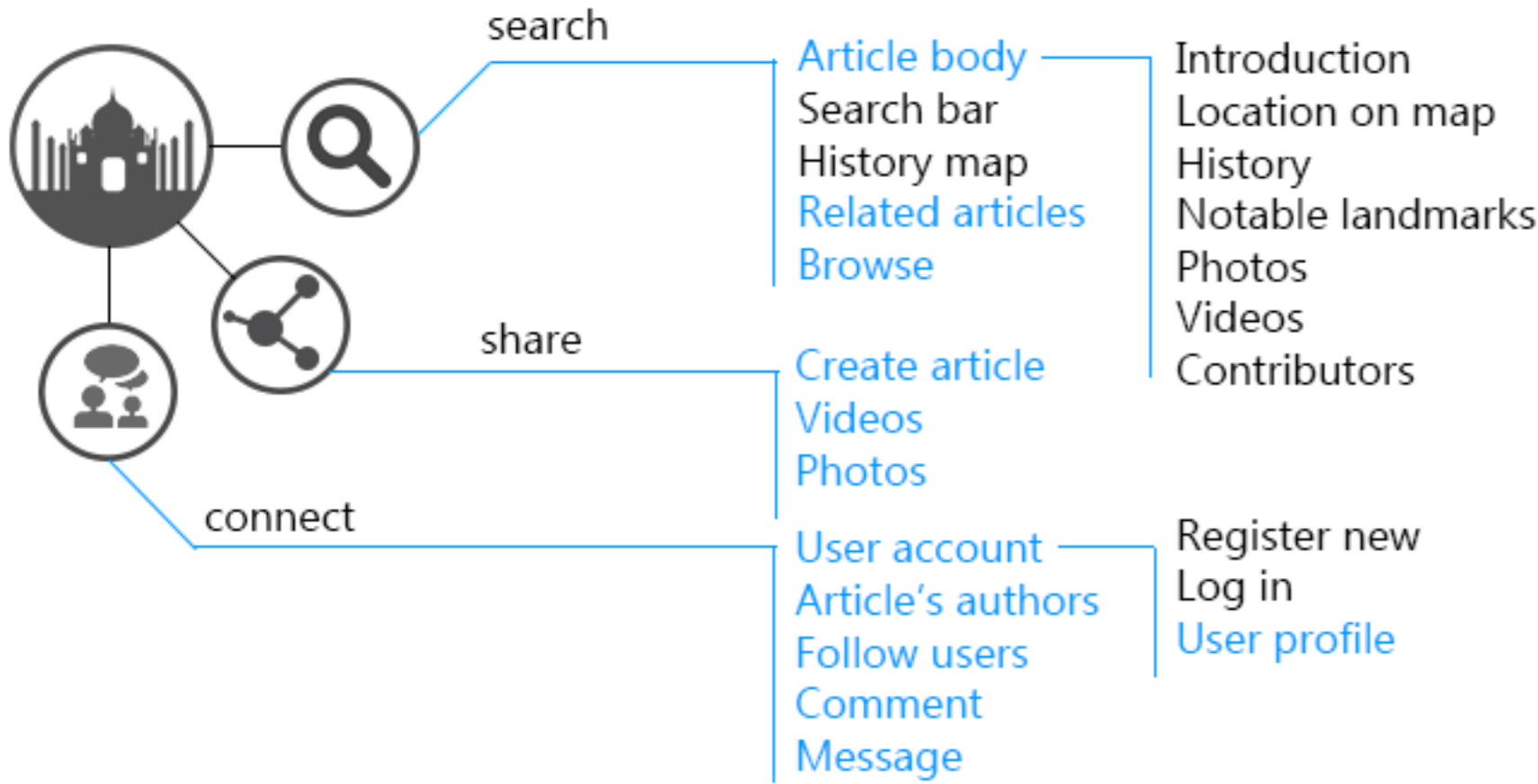
### About

Lost and Forgotten India is website that gathers and presents information about lost and forgotten monuments and historical sites for the propagation of history and preservation of heritage of the local population.

DESIGN

PROTOTYPE

Task list



USER TESTING - On each iteration of prototype

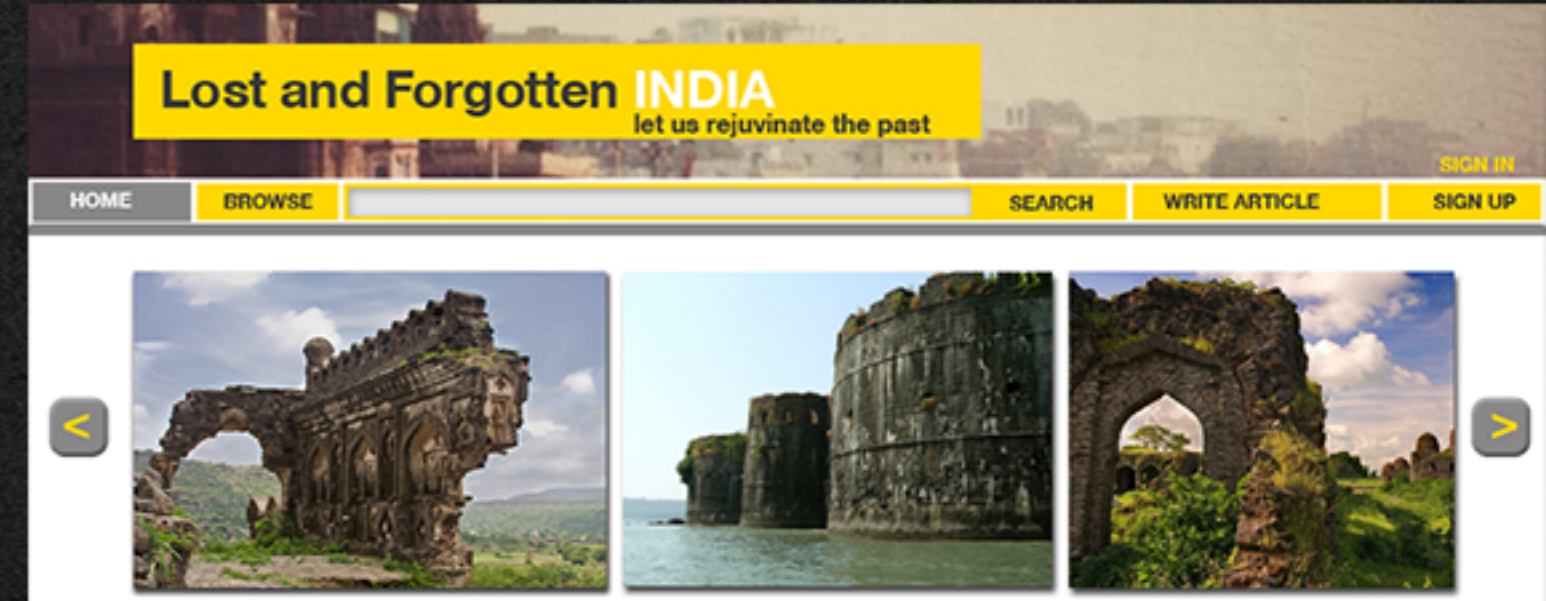


Webpage - wireframes

Home page  
Profile page

Search results  
Browse

Read article page  
Write article page



Discover the lost history and heritage of India.  
Write and publish your own articles on Historical monuments and sites.



FINAL PROTOTYPE

## Lost and Forgotten INDIA

let us rejuvenate the past

Welcome Parth [SIGN OUT](#)

HOME
BROWSE
SEARCH
WRITE ARTICLE
PROFILE

MESSAGES

MY ARTICLES

MY PHOTO ALBUMS

MY VIDEOS

### MY PROFILE

[ EDIT ]

**Parth Shukla**  
*Male, 24 years, Student*

**Basic info**  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas ut ligula nec mi pretium faucibus vitae quis est. Etiam tempus libero ac tortor laoreet mattis. Nam cursus massa quis augue consequat consequat. Ut non

**Contact info**  
email : parthparth@gmail.com  
phone: +91-9654854758

### MY ARTICLES

	<p><b>BITHOOR</b> (...History updated)</p> <p style="text-align: right;">[ EDIT ]</p>
	<p><b>TIRUVENGALANATH</b> (...an amazing place to visit...)</p> <p style="text-align: right;">[ EDIT ]</p>
	<p><b>VIJAY GARH FORT</b> (...ruined in time the majestic fort)</p> <p style="text-align: right;">[ EDIT ]</p>
	<p><b>PESHWA FORT</b> (...build by Nana sahib peshwa...)</p> <p style="text-align: right;">[ EDIT ]</p>
	<p><b>KOMBAGARH</b> (...the last resort.)</p> <p style="text-align: right;">[ EDIT ]</p>

### RECENTLY UPADATED ARTICLES

	<p><b>BITHOOR</b> (...History updated)</p>
	<p><b>TIRUVENGALANATH</b> (...an amazing place to visit...)</p>
	<p><b>VIJAY GARH FORT</b> (...ruined in time the majestic fort)</p>
	<p><b>PESHWA FORT</b> (...build by Nana sahib peshwa...)</p>
	<p><b>KOMBAGARH</b> (...the last resort.)</p>
	<p><b>CITY OF RUINS</b> (...in the ruins lies)</p>
	<p><b>BITHOOR</b> (...History updated)</p>
	<p><b>TIRUVENGALANATH</b> (...an amazing place to visit...)</p>
	<p><b>VIJAY GARH FORT</b> (...ruined in time the majestic fort)</p>

## Lost and Forgotten INDIA

let us rejuvenate the past

LOG IN

HOME
BROWSE
SEARCH
WRITE ARTICLE
REGISTER

### PHOTOS OF THE PLACE

### BITHOOR (BITHUR)

[ EDIT THIS ARTICLE ]

Bithoor or Bithur is a small town in Kanpur District, 23.4 kilometres (14.5 mi) by road north of the centre of Kanpur city, in Uttar Pradesh, India. Bithoor is situated on the left bank of the Ganges, and is the centre of Hindu pilgrimage.

### VIDEOS ON THE PLACE

Bithoor - A documentary

9:01

Bithoor (part 1)

9:01

Sadhus of bithoor

### HISTORY

Bithoor has been closely associated with the Indian independence movement, especially the Indian Rebellion of 1857. It was at one time home to many of the rebellion's most prominent characters including the Rani of Jhansi, Lakshmi Bai. During the British Raj, Bithur used to be part of Cawnpore district (now Kanpur) in the United Provinces. The last of the Peshwas, Baji Rao II, was banished to Bithur; his adopt-ed son, Nana Sahib, made the town his headquarters. Bithur was captured by General Havelock on July 19, 1857. The town was laid waste by the British who razed Nana Sahib's palace and the temples in the town in retaliation for the brutal killing of over 500 British men, women and children who had been lured out of their defences at Cawnpore with a promise of truce during the Siege of Cawnpore.

Notable landmarks

### RELATED ARTICLES FOR THIS PLACE

	<p><b>VIJAY GARH FORT</b> (...ruined in time the majestic fort)</p>
	<p><b>PESHWA FORT</b> (...build by Nana sahib peshwa...)</p>
	<p><b>KOMBAGARH</b> (...the last resort.)</p>
	<p><b>CITY OF RUINS</b> (...in the ruins lies)</p>
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	<p><b>KOMBAGARH</b> (...the last resort.)</p>
	<p><b>CITY OF RUINS</b> (...in the ruins lies)</p>

### CONTRIBUTORS OF THIS ARTICLE

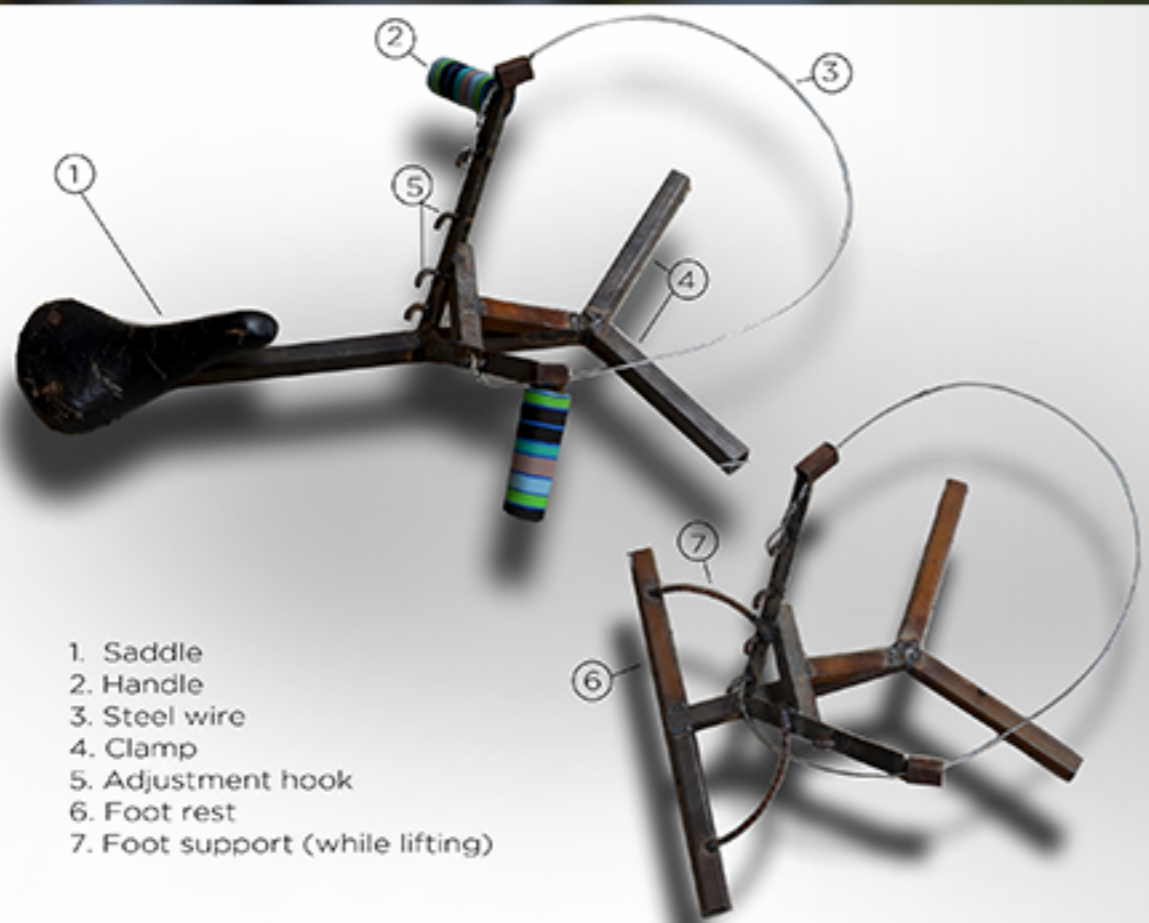


# Coconut tree climber

## Product design

### About

A coconut tree climbing apparatus for unprofessional users. The climber is efficient and easy to use and very light weighted.



## Design process



### 1 Problem identification

Unsafe  
 Strenuous process  
 Severe injuries, amputation  
 Scars, legions on feet and palm



### 2 Market study / Existing solutions

Costly  
 Heavy weighted  
 Lengthy assembly process



### 3 Concept generation and Functionaity testing

Scaled prototypes  
 Material selection  
 Ergonomics



### 4 Working Prototype Development

Comfortable  
 Easy to assemble  
 Total weight: 4.5 kg  
 Material Cost: Rs. 420  
 Labour charge: Rs. 500



### 5 User Testing

# Travel calender

Website design

# WHO WHERE WHEN

## About

Travel calender is an online website that connects people who want to travel together in groups. The project started as an entry to an online 24 hour design challenge called OzCHI 24. The problem statement was to use "Cloud Services" to facilitate "collaboration". The idea for "Travel Calendar" was conceived during the 24 hrs of the competition and presented with the required deliverables.

## Persona and Scenario



### Shashi Kumar

35 years  
India  
Photographer,  
Documenter.

Looking for someone who can accompany him in his journey to Dalhousie.

Passionate about capturing the daily life around him and all his travel moments.



### Avi Seth

29 years  
Engineer, IT  
New Zealand

Looking for someone who can accompany him on his Fiordland mountain trekking.

Loves adventure sports, paragliding, rafting, trekking.

## WHY TRAVEL IN GROUPS ?

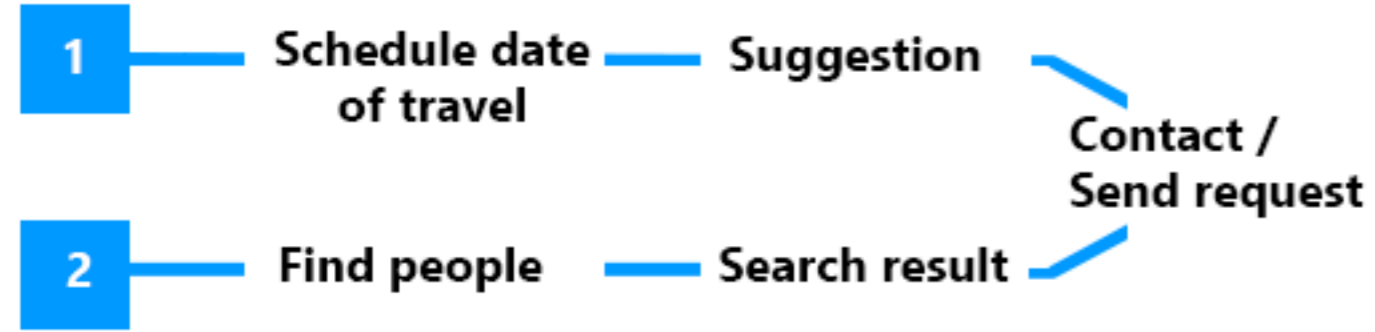
**Avoid loneliness.**  
**Easier to make the arrangements.**  
**Safety and dependability.**  
**Save money.**

## Design



Connect people  
Share travel schedule dates  
Shared global calender

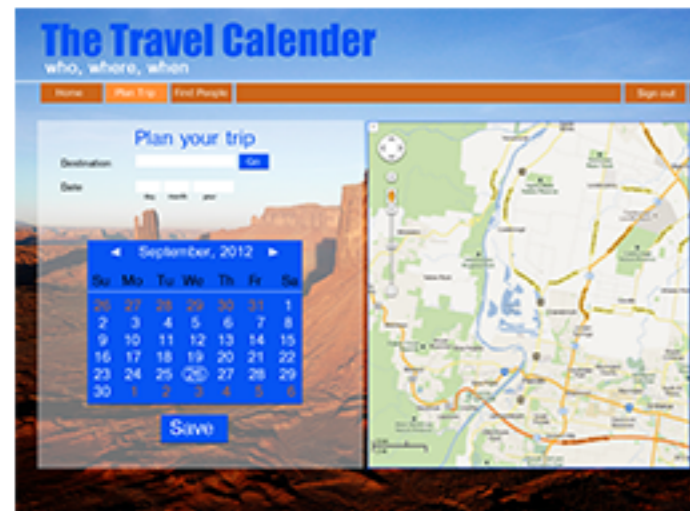
# How it works



# Prototypes



Prototype 1



Prototype 2

## TRAVEL CALENDAR (who where when)

Home Profile Schedule trip Search Companion

log out  
 GO

Welcome  
Rajesh Kumar

- Find People
- My Schedule
- Past Travel log
- Messages
- Settings

### New travel schedule

Place \*

Date \*  /  /   
*day month year*

SAVE

### View Schedule

◀ September, 2012 ▶

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

### 26 September 2012

### Travel to Sydney, Australia

The following people would like to travel with you

Aniruddha Sharma Accept Reject

Rishikesh Mukherjee Accepted

[FAQ](#) | [About us](#) | [Contact us](#)

# Internship Projects

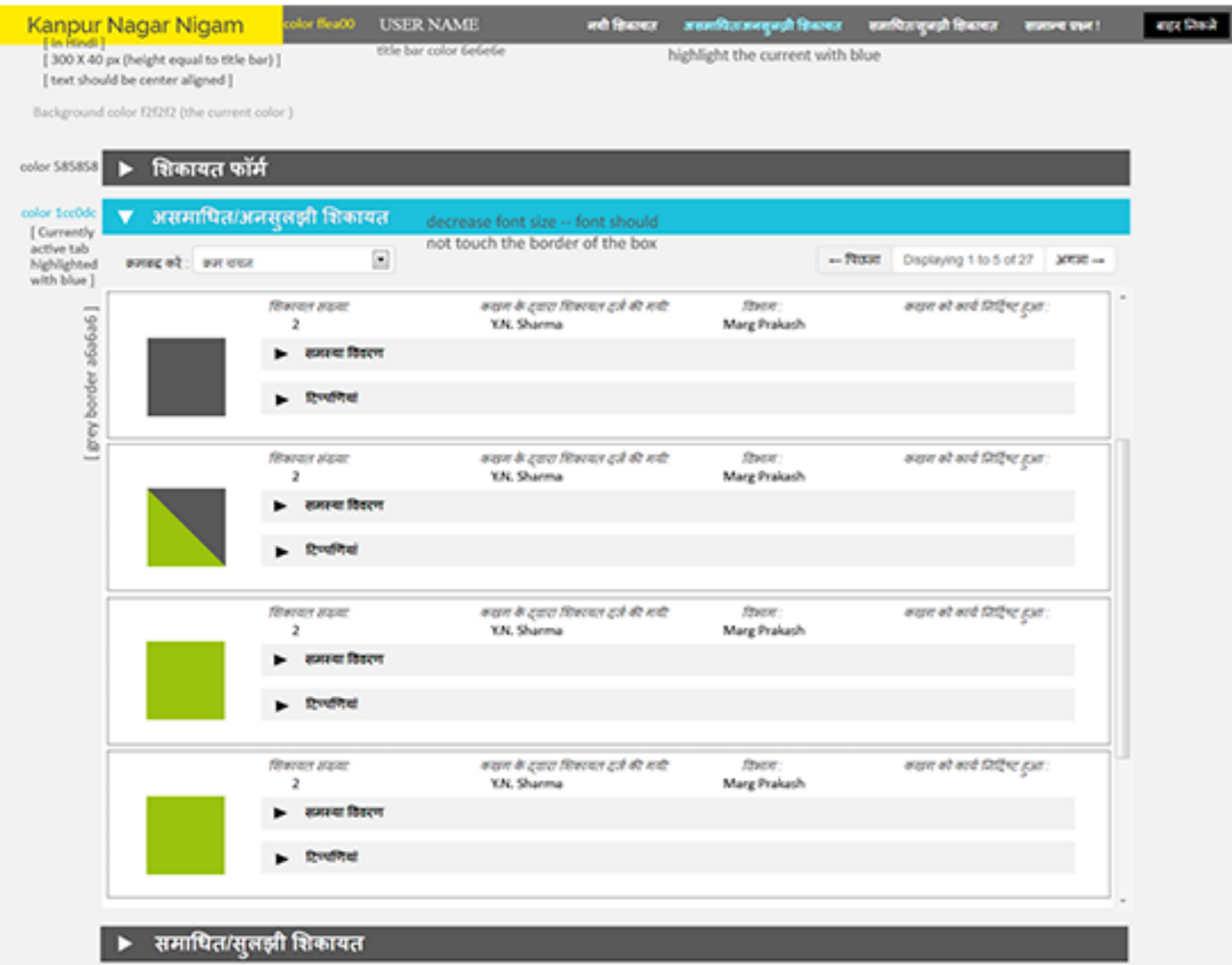
## at ARNIUM Technologies Pvt Ltd

During the internship period i had the opportunity to work on live projects with programmers and marketing team of the company. The project works included , brochure design for marketing of services offered by the company and UI design for different websites that were being built by the company.

### Brochure design



### UI Design



Janta.io

Browse complaints

Register complaint

Profile

log out

Me

My locality 4 new

Updates 5 new



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views 234 qweq 123 xcxc 23 comments 12



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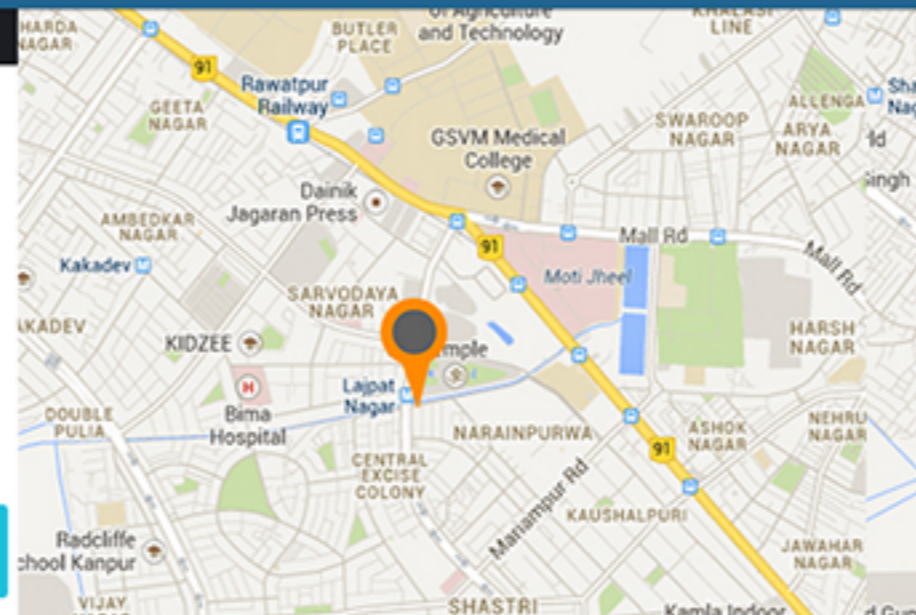


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views 234 qweq 123 xcxc 23 comments 12



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Complaint no: 1234  
KESCO, maintenance  
Location: Kalyanpur , opp. fire station  
house no 12345/68787

Curabitur molestie diam nulla, a laoreet metus imperdiet et. Fusce dapibus massa vel venenatis egestas. Sed vel nisi cursus metus malesuada dictum eget nec lorem. Phasellus pharetra elit augue, nec tristique elit pellentesque nec. Donec ac odio sed lorem tincidunt accumsan.

Details

Photos

Comments



## Discussion board



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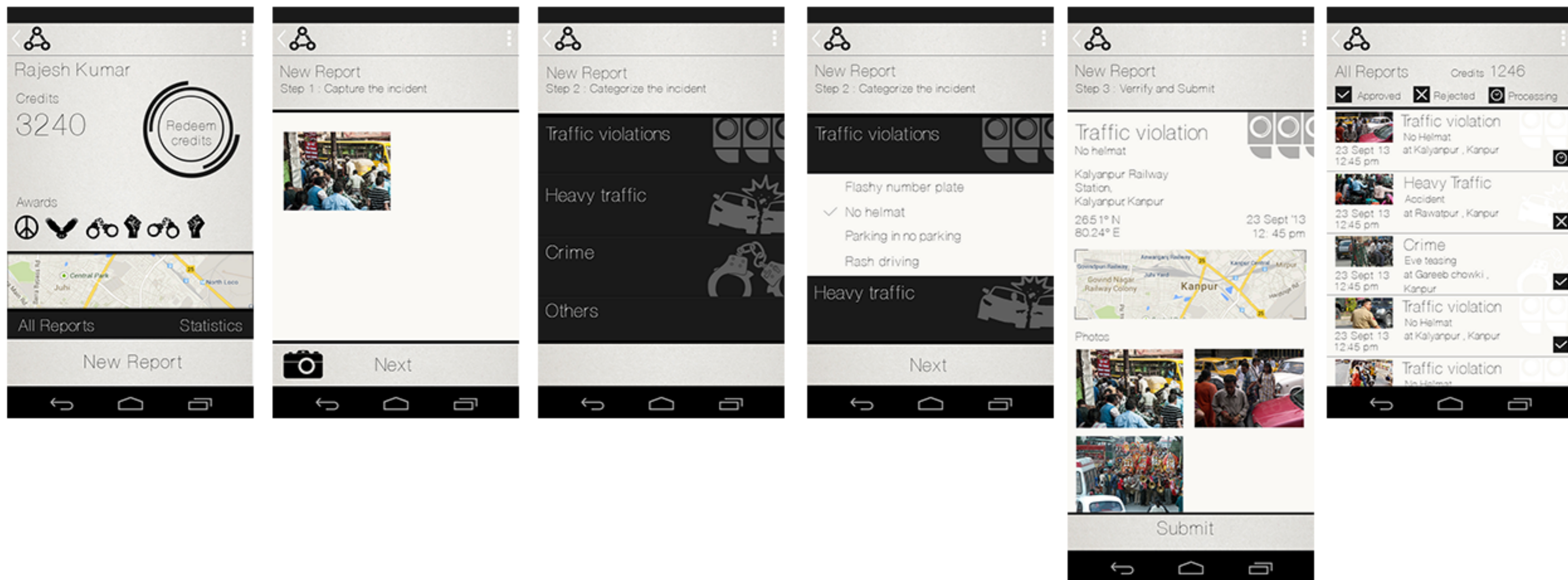
post

# Crowdsense

## Android app

Clean  
Black and white  
Easy to understand

User Interface and Graphic design of android app Crowdsense for [Mohalla](#)



# RuTAG logo

Rural Technology Action Group, IIT Kanpur

### Description



House : upliftment of livelihood

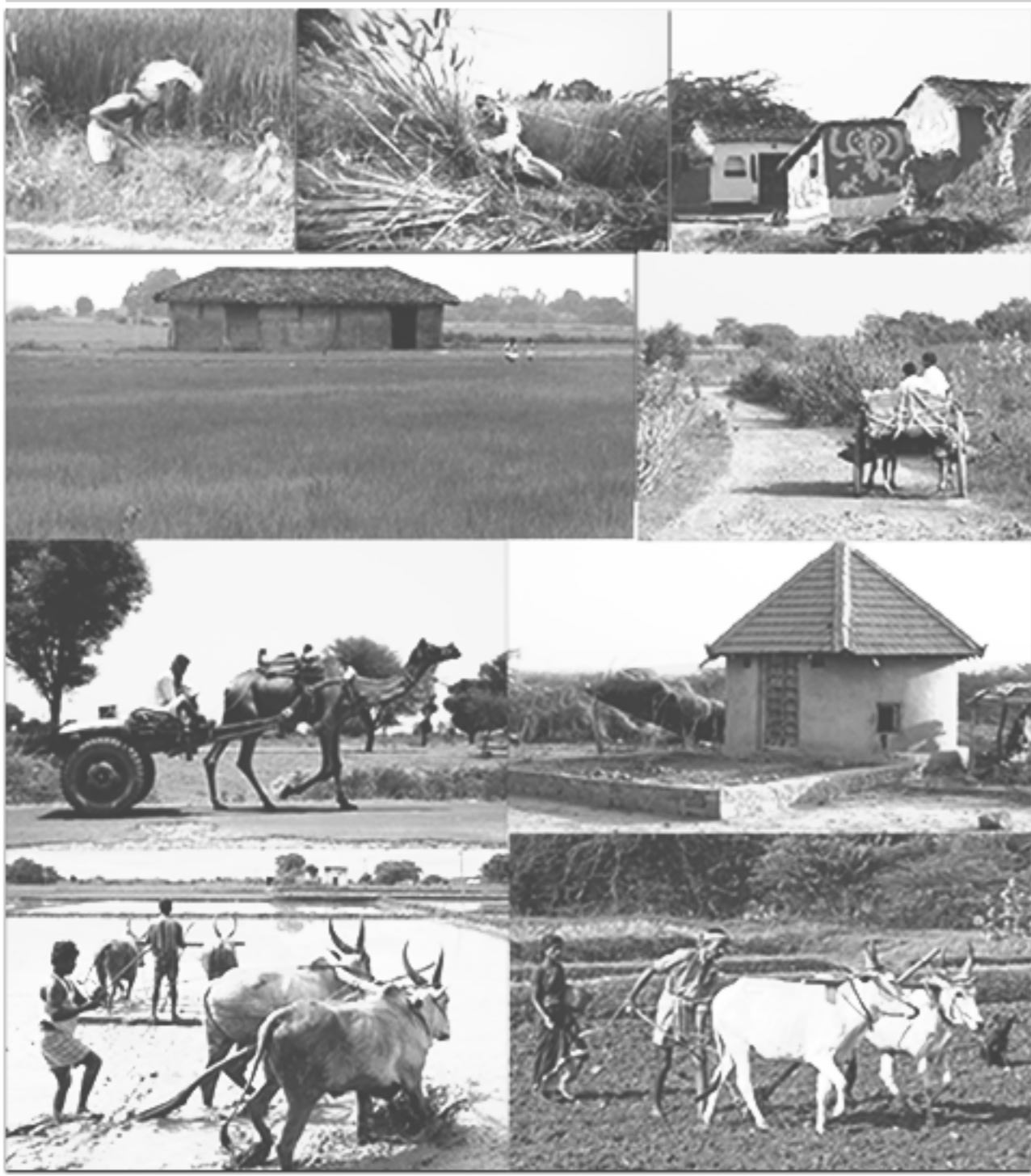
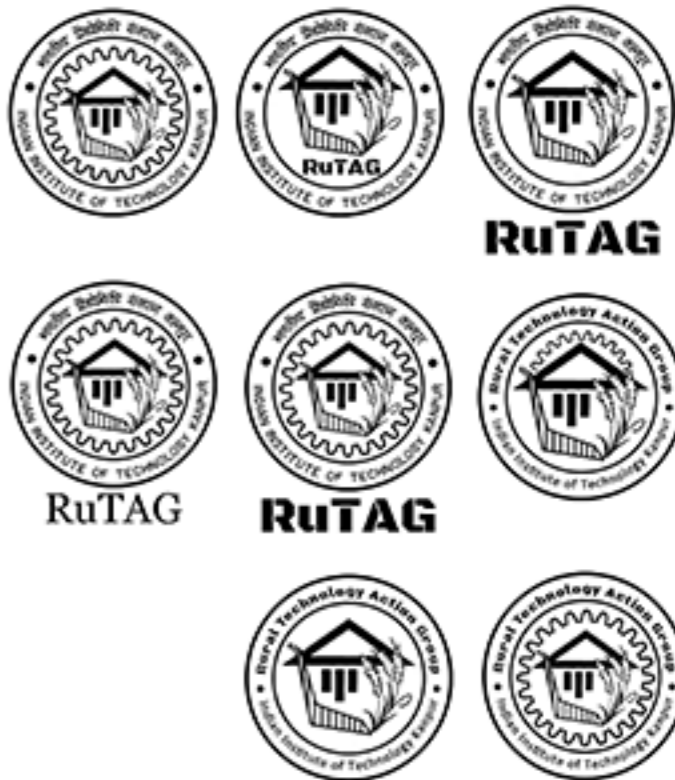
Wheat : development in the field of agriculture

Gear : symbolism of technology

Plough : development of systems for rural use

## RuTAG

### Variations



# Short films

These short films have been made as a part of requirements for the course curriculum of Special topics in Motion pictures DES 623. The team that made these videos comprised of five people namely me , Rachit , Mrityunjay , Basava, and Vivek.



## The interview

A candidate for an interview meets an odd person in an elevator. Due to power failure they are stuck in the elevator. Discussion takes place related to the interview.



## Strings

Two person suddenly realizes that they are no longer the person they were.



## Khujli

On a person with a Obsessive behavior of looking into others phone.



# Illustrations & Concept Art

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**Thank you**

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