

messE

Convenient meal cancellation facility for hostel students to reduce food wastage & distribution of excess food through NGOs

Mannu Amrit, Naman Govil, Jeel Jasani, Hari Krishna Prabhu

MessE: Final Pitch

What: System connecting students, mess managers and NGO's to manage daily meals efficiently and avoid food wastage.

Why: Students pay for meals they don't eat; Mess managers misuse / throw away left over food they shouldn't; NGO's don't know where excess food is easily available for charity.

How: Mobile application + Sms service connected to a system which allows students to intimate mess managers about absence in advance helping him make an estimate of amount of food to prepare. System also calculates actual no. of students eating in the mess, and informs NGO about excess food (if any). System stats also used to keep check on mess manager.

Open: Deploying a reliable system to count number of students actually eating in the mess – technically feasibility, internet dependability of the system.

Who: Mannu Amrit, Jeel Jasani, Naman Govil, Hari K. Prabhu

Interviews : 3 mess managers + 3 students = 6 users



Affinity

Classifying user statements on the basis of common problems; Classifying problems further on the basis of user



Persona / Scenario



Raj Nair
IIT Delhi
Masters Student

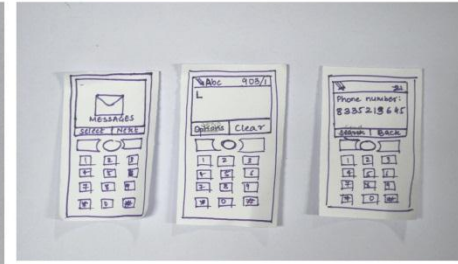
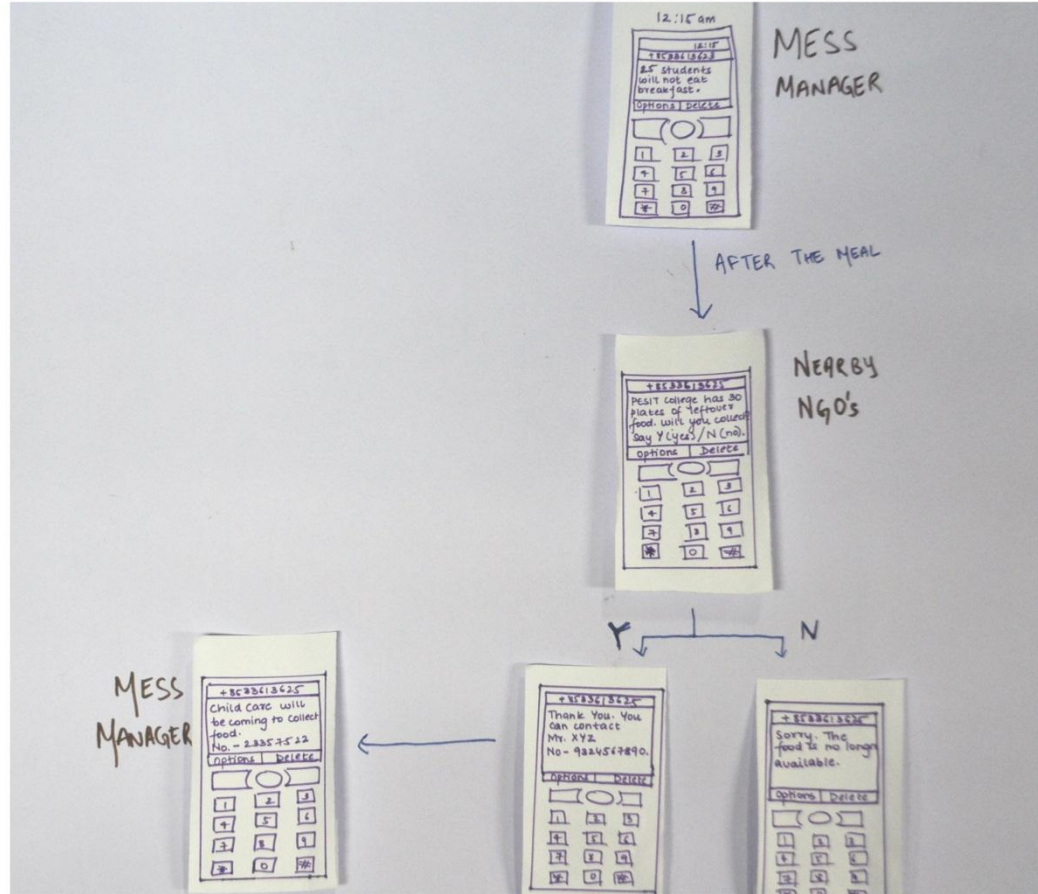
"It is compulsory for me to pay on a monthly basis my hostel mess bill . Usually, I skip my breakfast since I'm late for classes. I also go out to eat with friends on weekends and hence skip my mess meals then."



Santosh Kumar
IIT Delhi
Mess Manager

"I prepare food on an approximate basis. Usually, food is left on holidays and when some function is happening in the college. More than often, we distribute this among the workers, or throw it away."

Design Sketch (low fidelity) - Sms system + mobile app



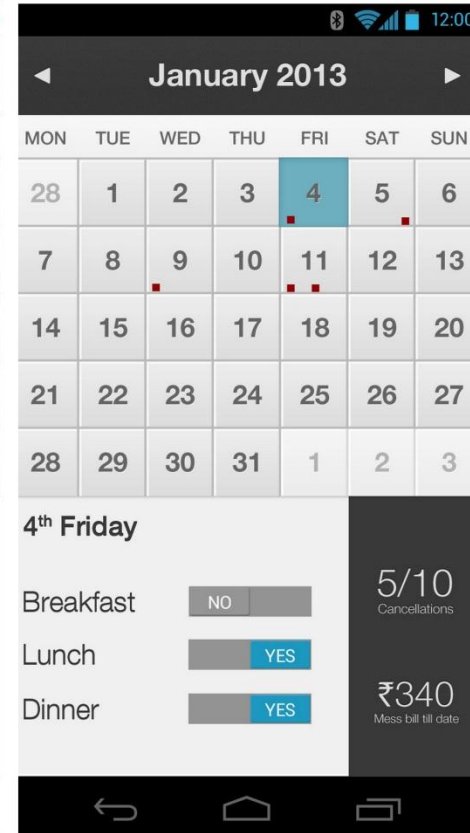
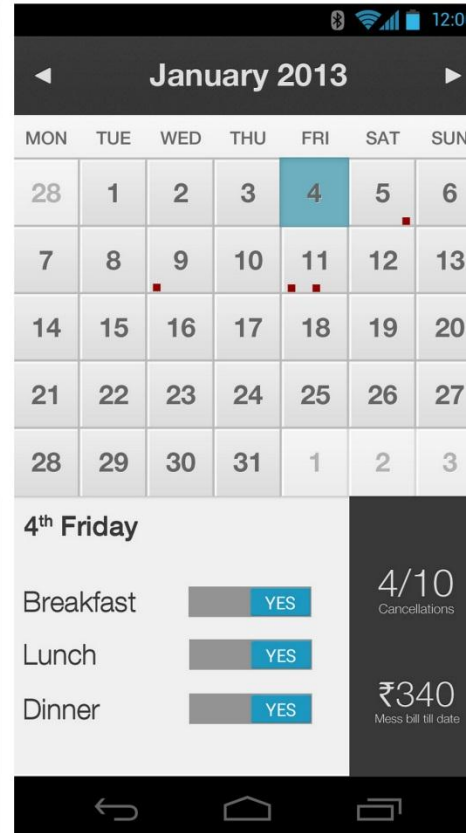
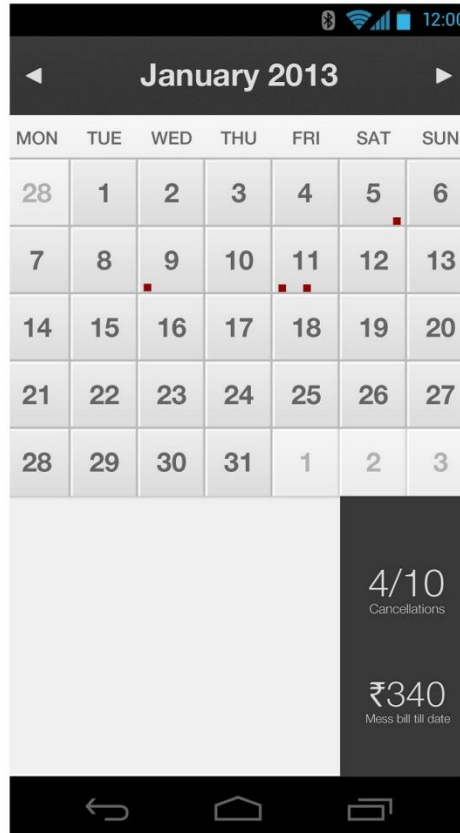
Sms system



App interface

Design Sketch 1 (mid fidelity)

Screens created in Photoshop, prototyped in PowerPoint.



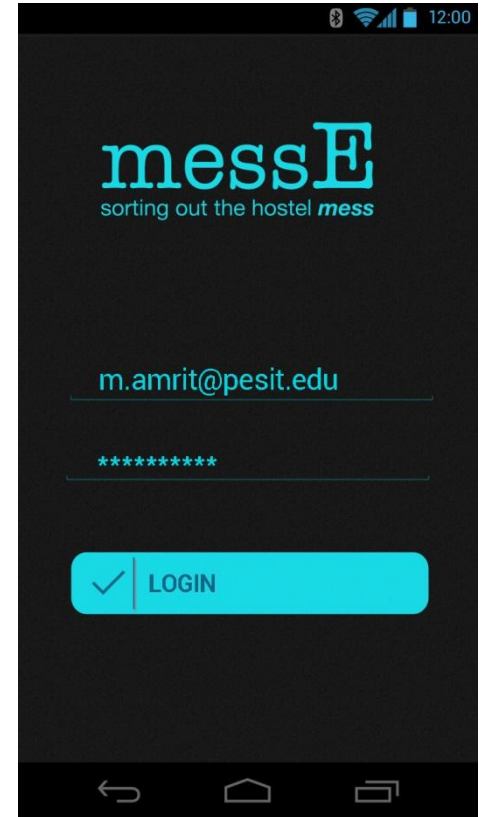
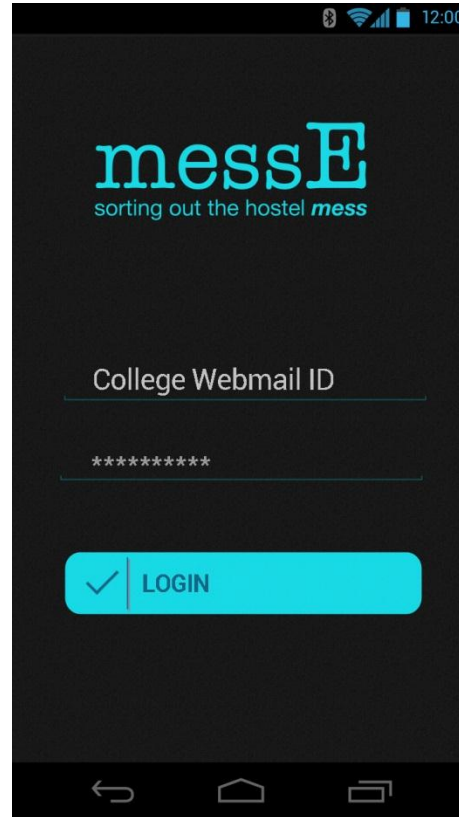
Usability Testing – 5 users (PPT prototype + paper based)

Concept and Product well accepted.
Minor changes in interface were advised by 2/5 users.



Design Sketch 2 (mid fidelity)

Screens created in
Photoshop,
prototyped in
PowerPoint.



Design Sketch 2 (mid fidelity)

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24th Thursday Rama Krishna Mess

☀ Breakfast

YES

☀ Lunch

YES

☾ Dinner

YES

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26th Saturday Rama Krishna Mess

☀ Breakfast

YES

☀ Lunch

YES

☾ Dinner

YES

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26th Saturday Rama Krishna Mess

☀ Breakfast

NO

☀ Lunch

YES

☾ Dinner

YES

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CANCELLED

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12:00

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26th Saturday Rama Krishna Mess

☀ Breakfast

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☾ Dinner

YES

6/10

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Design Sketch 2 (mid fidelity – SMS based system)

Students can cancel meals by sending the first alphabet of the meal (B/L/D) to a number unique to each university.



Design Sketch 2 (mid fidelity – SMS based system)

Mess Manager
informed about
cancellations 6 hours
prior to the meal.



Design Sketch 2 (mid fidelity – SMS based system)

NGO's informed
about excess food, if
leftover.



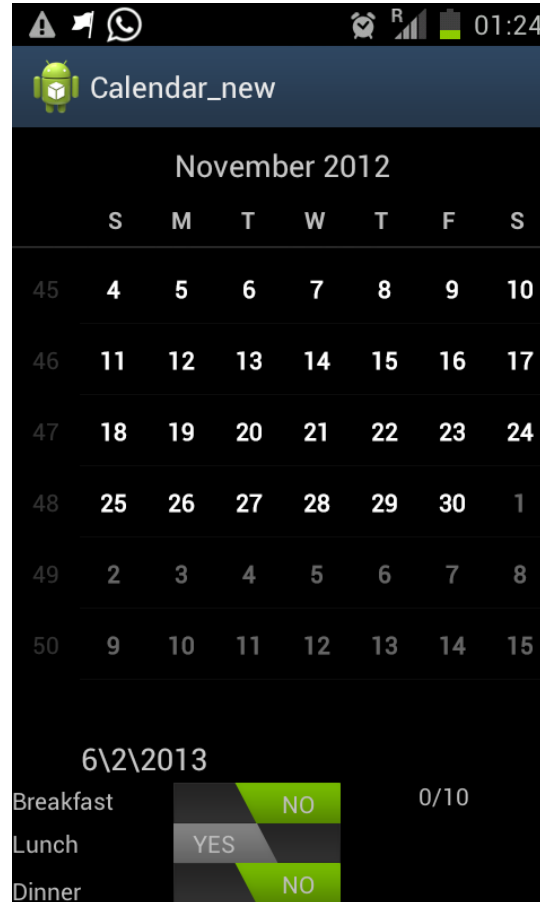
Phase 2 :Usability Testing – 5 users

New Interface well received. Positive feedback from 5 / 5 users.



Development

Basic structure implemented on Eclipse SDK. Minor padding and alignment issues to be resolved.



Concept Poster

Concept presented
through a poster.

messE
sorting out the hostel *mess*

	who	how	why
1	 UNIVERSITY STUDENTS cancel daily meals in hostel mess	 sms / app	 Save money by only paying for what you eat
2	 MESS MANAGER informed an estimate of meals to prepare	 sms	 Avoid food wastage by preparing correct amount
3	 LOCAL NGO'S informed about excess food left in mess (if any)	 sms	 Distribute excess food (if any) among needy

Mannu Amrit, Jeel Jasani, Naman Govil, Hari Krishna Prabhu
Mobile Ecosystems, Design Innovation India workshop
Bangalore, Jan 21 - 25, 2013

Team 8 : Composition



Mannu Amrit
IIT Guwahati
Designer



Naman Govil
IIIT Hyderabad
Electronics & Comm. Engineer



Jeel Jasani
VJTI, Mumbai
Comp. Science Engineer



Hari Krishna Prabhu
PESIT Bangalore
Comp. Science Engineer

Team Picture!

