

Developing Community Mobility Applications

Dinesh

Janastu

“Let it be.. people”

Non-profit organization providing open source information solutions for community development & to the organizations involved in the social development sectors.

The mission of Janastu is to “e-nable” the social development sector to manage their community-based knowledge.



PANTOTO

Communities

Janastu provides its community tool builder **Pantoto** to:

Enable people and organizations to access ICT for information gathering and networking.

Network and support NGOs in using ICT to build and strengthen linkages between grassroots and other stakeholder institutions.

To help create a participatory platform for governance that will encourage transparency and accountability.

Projects

- **Online Resource Center for Solidarity and Action Against The HIV Infection in India (SAATHII) – <http://pantoto.org/saathii>**
- **Global Village Energy Partnership (GVEP) for development and Implementation of a Geographical Information System (GIS) and Knowledge Management tools for Capacity Development at National Level for Remote Village Electrification Programs in India - <http://gvep.servelots.com/>**
- **PAN Asia ICT R&D grant for integrating a GIS/Mapping solution system in the Tsunami Knowledge Center portal - <http://tsunamiindia.org/>**
- **Shramik <http://shramik.org/>; CHIREC public school – intranet**

CHIREC

A school where the teachers have a need for various software applications:

- * Admission process management,
 - * Library catalogues and checkout information
 - * Personnel office that caters to students/teachers/parents
 - * Web-site management
- All of which can be build by themselves, say using Pantoto.



Mobility

Power Lunch

Push
(notifications)

Pull
(status)

Interaction
(browse)

Application Framework

Predictive behavior
(social and personal statistics)

Essence Cache
(APIs mine/capture commonality)

Define Styles
(Situational style for situational apps)

Available Support

SMS-gateway

email-gateway

SMPP

Embedded Apps
Browsers

Multi Media

Voice forms
(VoiceXML)

Video pulls
(social clipping)

Sessions

Signin

Secure-signin

Order of messages

Continuity

Disconnection

SMS versus GPRS

Wifi/Bluetooth Sharing/Serving

Trusted networks and identity management

SMS

GSM Mobile started, CDMA wireless followed.

SMS message 140 bytes (1120 bits) of data.

160 characters if 7-bit character.

70 characters if 16-bit Unicode.

100% GSM mobile phones.

Almost all wireless carriers plans.

Inexpensive SMS messaging service.

Can be Sent to an Offline Mobile Phone.

SMS Social Application

Me: meeting 10AM Wed?

Aditi: OK.

Sapana: Conflict. 11:30 Wed?

TeXtyles

sms **texting**

css like **styles**

=

AJAX like interactions

Sample Session

< **help admissions**

> send admission app date
| send admission approvals
num

< **send admission app today**

> 7

< **send admission approvals
list**

> _306 ramappa
_308 shamappa
_310 hanumappa
_314 iramma

> _325 samappa

_336 singamappa

_337 bomramappa

also 6 appl pending
and 17 appl rejected

< **send admission show**

323

> _323 Sundravva

Appl 27 Dec

Entrance score 140 (149)

Pending (no show)

TeXtyle Session

< **help admissions**

Screen0:

> send admission app date
| send admission approvals num

< **send admission app today**

Screen1:

7 approved admissions today

< **[list]**

Screen2:

_306 ramappa
_308 shamappa
_310 hanumappa
_314 iramma
_325 samappa

Note:

Also 6 applications pending
and 17 applications rejected

< **[show _323]**

>

Screen 3:

_323 Sundravva

Applied on 27 Dec

Entrance score 140 (Need 149)

Pending, revisited based on no
shows

Shifting Positions

Standards

Indigenous Improvisations

Availability

Dinesh
Janastu, Bangalore
<http://janastu.org>
<http://pantoto.com>
dinesh@servlets.com

Susan Uskudarli
Bogazici University, Turkey
<http://cmpe.boun.edu.tr/~uskudarli/>

Thanks:
Sapana Rawat, and team Janastu