

Purpose: The purpose of this community worksheet is to provide a step-by-step guide for initially conducting proper due diligence on a community being considered for SMART MoBee enablement leading to a "GO or NO GO" decision for engagement. Each community is different with different challenges and needs. The analyst is encouraged to step outside the boundaries set forth by these guidelines and to amend the worksheet to add relevant community information captured during this process that are deemed important for decision-making.

Suggested Steps for Analyzing a Community for SMART MoBee Enablement

STEP 1: Gather Basic Community Information

Community Name: Bacoor, Cavite Analyst Name: DF

Location: Philippines Analyst Phone: _____

Analyst Email: _____

Type of Community: Local Government Unit (County, City, Living Community, Military Base, School, etc.)

Population: 664,625 (2020 Census)

Description of Community:

"In "Relaciones de las Yslas Filipinas", annals of history written by Miguel Lopez De Legaspi, it was mentioned by Miguel De Loarca, an encomendero, that the barrios of Cavite were named while their galleon ships embarked on the coastal villages. These towns are Vacol (now known as Bacoor), Minakaya (now called Binakayan) and Maragondon, all near Manila Bay.

The name Bacood (derived from the Tagalog word bakod, meaning fence) is suggestive of its role as a suburb of Parañaque (known before as Palanyag) constituting the boundary between the mother town of Cavite del Viejo (now known as Kawit) and Silang. In early times during the Spanish regime, Bacood was thickly covered with bamboo groves running from Zapote to sitio Talaba. The term "Bakood" also refers to those who lived in the place who were called such by the early Tagalog settlers. According to "Historia, Geografica, Geologica y Estadistica de Filipinas" (por D. Agustin de la Cavada, Mendez de Vega, Tesoro de Hacienda, Cesanti). Bacoor was founded in 1671 with a population of 10,165. Migration from Palanyag (Parañaque) to Bacoor started in 1669, the period wherein ilustrado families like the Cuenca, Bauan, Farolan, Pagtakhan, De Ocampo, Gregorio and Guevarra established residency in Bacoor.

Bacooreños in the 16th century lived not only in the coastal areas but also in lands devoted to agriculture. The names of earliest towns, in fact, showed the people were involved in agricultural endeavors like : Zapote (chico), Sineguelasan (plum fruit), Alima (arimas), Daangbukid (passageway), Banalo (tree), Mabolo (kamagong tree), Ligas (tree), Pinyahan (pineapple plantation), and Molino (dam or water reservoir).

In the 16th century, Bacoor is a typical town with a parish priest and a Governor under the diocese of Imus. Bacoor is found along Manila Bay with a very refreshing cool weather coming from nearby Bacoor Bay. About 2,068 houses made of tiles and wood existed with a parochial house, a trial court, and a primary school.

Significant contributions of Bacoor to Philippine independence was the Battle of Zapote Bridge in February 15, 1897 that witnessed the bravery and heroism of General Edilberto Evangelista “the Engineer of the Revolution” and “Hero of Zapote Bridge” and awakened nationalism among Filipinos. On July 4, 1898, Bacoor became the main headquarters and capital of the Revolutionary government. The residence of Juan Cuenca and Candida Chaves in Digman was the First Malacañang of the Republic of the Philippines.” (Source: <https://bacoor.gov.ph/historical-background-of-bacoor/>)

Relevant Figures:

Mayor: Strike B. Revilla
Cavite Governor: Juanito Victor "Jonvic" Catibayan Remulla Jr.

Reason for considering this community for SMART MoBee Enablement:

Project RISE (Resiliency Improvement Support and Education) initial target community. Goal of the mobile app is to support the implementation of disaster preparedness programs for the community.

STEP 2: Assess the Community’s Website

- a) Does the community have an existing website (Y or N)? If N, proceed to Step 3. Y

- b) Is the website owned & operated by the Governing Body of the Community (Y or N)? Y

- c) Is the website responsibly designed to support mobile devices (Y or N)? Y

Please describe the types of information and services provided on the website in the box below:

Website Link: <https://bacoor.gov.ph/>

Home Page: Panel at the top followed by latest articles below. About section on the right side and panels for multiple news videos at the bottom.

Menu Options: Unavailable pages are highlighted in red

- About Bacoor
 - Mission & Vision
 - Historical Background of Bacoor
 - Seal of Bacoor
 - Ang Himno ng Bacoor

- Tourism
- City Government
 - Citizen Charter
 - City Officials
 - City and Units Heads
 - Barangay Officials
 - City Ordinances
 - DILG Full Disclosure Policy
 - CLUP (2015-2024)
 - Job Vacancies
 - Privacy Policy
- Mayor's Corner
 - Awards/Accomplishment
 - Official Facebook
 - Strike Sa Serbisyo App Website
- Gallery
- Services
 - Ligtas Bacoor - CEIR Registration
 - Online Application for Business & Building Permits
 - Online Appointment for Real Property Tax Business & Building Permits
 - Online Scholarship Program
 - RIS Technical Training
 - Downloadable Forms
 - City Ordinances
 - Procurement
 - Resolution
 - Bid Bulletin
 - LGUIDS City of Bacoor
- Directory
 - Hospital Directory
 - Local Gov't Offices
 - City and Unit Heads

Relevant Departments to our project

- Provincial Disaster Risk Reduction and Management Office (<https://cavite.gov.ph/home/pdrrmo/>)

STEP 3: Assess Community's Mobile App

a) Does the community have a mobile app or multiple mobile apps or social media?

Y

For each community mobile app or social media account you discover, please provide the information below:

Mobile App Name or Social Media Name	Mobile App or Social Media Description of Functionalities	Link
Stay Safe Bacoor	Contact tracing mobile app to curb spread of Covid-19.	https://r3.rappler.com/nation/264305-ba

		coor-city-stay-safe-app
Bacoor Vaccine Registration Guideline	Bacoor’s official website provides citizens with information on how to register COVID-19 vaccines.	https://bacoor.gov.ph/latest-news/ligtas-bacoor-covid-19-vaccine-registration/
Cavite School Life	Communication between school, teachers, parents	https://play.google.com/store/apps/details?id=com.csolb
SBR Mobile App	Mobile Card to make payments or send funds. Exclusive to city of Bacoor Only says 10+ downloads, might not be active	https://play.google.com/store/apps/details?id=com.bacoorgov.sbr
Bacoor Facebook Page	Followed by 340K people No immediate information about resources other than a phone number and email	https://www.facebook.com/CityGovtBacoor
Bacoor Disaster Risk Reduction & Management Office	Separate Bacoor Facebook page for Disaster Risk Reduction. Followed by 117K people. Link to their website redirects back to Facebook page. Provide phone number and address to office location. Page posts regularly and appears to be up to date with latest information.	https://www.facebook.com/bacoordrrmofice

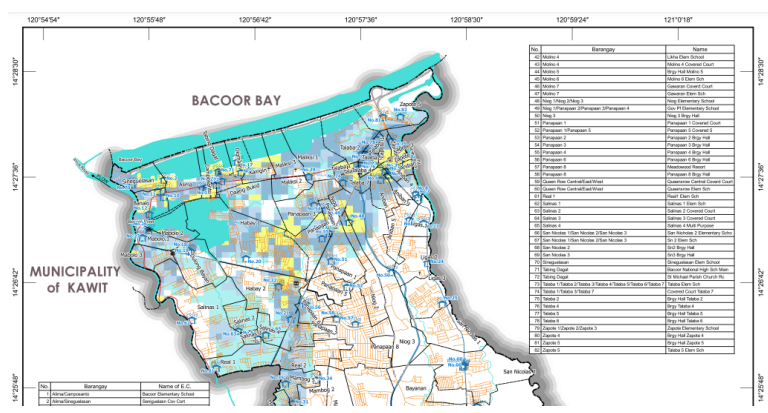
STEP 4: Research and Analyze Community Challenges

Conduct your research and due diligence on the challenges faced by the community and document below.

Analysis of Balayan Disaster Level Preparedness
<p>Inconsistent Information: Different outlets of information from different Facebook pages. Old “Public Information Office of Bacoor” Facebook page still exists but has not posted since 2017. Links to this website are still attached to 2022 news articles.</p> <p>** Source of Information: https://www.facebook.com/juan.bacoor</p>

Resiliency Issues (e.g., Risks to Climate Change, Disaster Management, etc.)		
Type of Issue	Description	Source of Information
Provincial Disaster Risk Reduction and Management Plan	The plan establishes policies and procedures that allow the Province to save lives, minimize injuries, protect property, preserve a functioning administration, and maintain activities essential to their survival and recovery from natural and man-made hazards. It establishes the guidelines for	https://wvphilippines.files.wordpress.com/2015/06/cav

	conducting efficient, effective, coordinated emergency operations involving the use of all resources belonging to the Province or available to it.	ite-pdrrm-plan.pdf (2011-2016)
Earthquakes	About 85% of land was prone to ground shaking in the event of an earthquake in 2018. The province is one of the top ten densely populated provinces in the Philippines and has a total population of around 3.7 million.	https://www.statista.com/statistics/1091565/philippines-earthquake-hazards-cavite-by-type/
Risk Profile Report, Cavite, Laguna, and Southern Part of Metro Manila	Outlines natural hazards in area (floods, typhoons, storm surges, earthquakes, tsunami, volcanoes) with current state of disaster risk management	https://openjicareport.jica.go.jp/pdf/1000023392.pdf (2015)
VIPER Project for the “Big One” a Earthquake that is set to hit the Ph	Project to prepare for Earthquakes to hit the Philippines. Reinforce disaster preparedness for Cavite. “The project formed through the Memorandum of Agreement (MOA) signed by the provincial government of Cavite led by Governor Jesus Crispin Remulla, the Humanitarian Leadership Academy (HLA) and the Adventist Development and Relief Agency (ADRA) is seen to scale up the province’s preparation for the Big One.”	https://reliefweb.int/report/philippines/viper-project-seen-reinforce-cavites-disaster-preparedness-big-one
Taal Volcano Eruption If Taal were to erupt again	Residents of Batangas and Cavite have been warned of the barangays that are susceptible to base surges, volcanic tsunamis, and ballistic projectiles that may occur if Taal Volcano has a magmatic eruption.	https://bit.ly/3r8Bu2C
Disability Inclusion in Disaster Preparedness Bacoor	The purpose of this study is to determine the typhoon preparedness of Bacoor, Cavite in providing services to persons with disabilities and to assess whether the city is disability inclusive or not when it comes to typhoon preparedness. Bacoor was chosen due to its high flood susceptibility and most number of persons with disabilities in the province of Cavite. Results: The majority of the LGUs have lists that identify PWDs in their area, relief goods that they distribute to PWDs, personnel support, means to educate and disseminate certain information to persons with disabilities regarding typhoon-related issues and have evacuation centers. However, there is lack of consistent approach towards helping PWDs in preparing for typhoons, such as uneven distribution of resources, lack of personnel education, and lack of professionals whose main concerns are PWDs; thus, there is an obvious contrast between the emphasis and effort towards the welfare of the whole community and towards the PWD community.	https://greenprints.dlshsi.edu.ph/bsot/17/

Flooding	 <p style="text-align: center;">Partial screenshot of Bacoor Bay and flooding-prone areas.</p>	<p>https://www.dpw.gov.ph/dpw/sites/default/files/reference/s/flood_hazard_maps/Bacoor%20Flood%20Map.pdf</p>
-----------------	--	--

STEP 5: Research and Analyze Interesting Facts and Positives about the Community

Conduct your research and due diligence on any interesting facts and positive community events or programs that helps build a positive image of the community. Look at social media to get a feel of any citizen sentiments, if possible. Look for interesting videos on YouTube that build the character of the community. Document your findings below:

Interesting Facts and Positives		
Type of Issue	Description	Source of Information
Bacoor Reclamation Project	“The proposed 420-hectare reclamation projects in Bacoor City earned overwhelming support from directly-impacted stakeholders during the public hearing conducted by the Environmental Management Bureau (EMB) of the Department of Environment and Natural Resources (DENR) on Jan. 9, which is part of the Environmental Impact Assessment System as mandated by Presidential Decree 1586 and DENR Administrative Order No. 2003-30.”	https://www.pna.gov.ph/articles/1091042#:~:text=The%20twin%20reclamation%20projects%20of,the%20PPP%20Co-de%20of%20Bacoor.
Bacoor Evacuation Center	Newly opened evacuation center for the city of Bacoor, Cavite on June 2022.	https://bacoor.gov.ph/latest-news/city-of-bacoor-evacuation-center/
Cavite State University	Has a Bacoor Campus. **Possible public-private-academic partnership Cavite State University has also partnered with the Department of Interior and Local Government on community resiliency and disaster preparedness	https://cvsu.edu.ph/bacoor/

Mayor's message on disaster preparedness	The Bacoor mayor talks about disaster preparedness on July 29, 2022	https://www.facebook.com/CityGovtBacoor/videos/636643984112316
---	---	---

STEP 6: Your recommendation to "GO" or "NO GO" with SMART MoBee Enablement

What is your recommendation ("Go" or "NO GO")?

Go

Please provide narrative in the box below to support your recommendation:

Balayan, Batangas is the initial target community for Project RISE.

Analyst Name: DF

Date: 8/9/2022

Analyst Phone: _____

Analyst Email: support@sdinst.org

STEP 7: If your recommendation is to "GO" with SMART MoBee Enablement and approval is given to proceed, go through the following workflow:

- 1) Go to the next worksheet shown in the tab below entitled "SM Mobile App Design FW" and review and understand the guidelines before proceeding with the actual design process of the mobile app.
- 2) After reviewing the SM Mobile App Design Framework, you are now ready to design the mobile app for the community using the next worksheet entitled "SM Mobile Icon Map & Features." This worksheet provides you with the tool to establish your mobile app's roadmap that follows the guidelines set forth in the SM Mobile App Design Framework. This is where you'll design the screen levels, the icon layout of each screen, and the most tedious process, defining the properties (i.e., icon label or title, icon graphics to use, feature of the icon, the type of information and source of information may provide or an icon may just be redirect to another screen, etc.)

The final product you'll produce in Step 2 above, will serve as the cornerstone and most important document for the development of the smart community. Allocate a considerable amount of time and thought on this process and it will serve all of us and most specially, our client or the community very well. You'll also learn so much about the community.

Design Considerations:

- 1) Try to keep the maximum number of icons to twelve (12) per screen level. SMART MoBee is designed to display a maximum of twelve (12) icons per screen. If there are more than 12 icons per screen level, then another screen on the same level will be generated in the background and the system will allow screen scrolling by swiping left or right. The number of dots below each screen indicates the number of screens on that level. Our goal is to prevent the user

from scrolling through multiple screens or scrolling screens at all.

- 2) If more than 12 icons are necessary per screen level, then group the icons in order of priority from the user's perspective.
- 3) Keep the screen levels, when clicking on icons, up to a maximum of three (3) levels before displaying the information the user is looking for. Simply put, maximum of three (3) clicks before the information is displayed.
- 4) Keep the icon titles or labels descriptive and intuitive.
- 5) Look for meaningful graphics that can be used as a background for the main screen. For example, a background of a Government building or City Hall may be a good background for a municipality; the main building of an academic institution may be a good background for an academic community; and the front gate of a military base may be a good background for a military base community. Ensure that we either get permission to use the graphic picture or we can buy a royalty-free graphic picture when the mobile app goes live. If we're coming up with a mock up, we can probably use it as long as it's not officially published and presented as a proof of concept.
- 6) Look for a community logo or logos that we can incorporate into the main screen. Ensure that we either get permission to use the logo or we can buy a royalty-free graphic picture of the logo when the mobile app goes live. If we're coming up with a mock up, we can probably use it as is as long as it's not officially published and presented as a proof of concept.

STEP 8: Envision the design and layout of the Smart MoBee Mobile App

In the box below, please provide the design and layout that you envision for a Smart MoBee Mobile App for the Community, based on your findings of gaps that can be closed with the use of technology:

➤ **Dashboard Panel Layout**

Panel	Theme	Content
1st	COVID-19 Updates	1) City Government of Bacoor and Vaccination Info/Schedule 2) COVID-19 Tracker in PH 3) National COVID-19 Vaccine Dashboard
2nd	EWS (weather information)	1) Links to PAGASA weather forecasts for now before our own WARN system 2) Emergency Hotlines (directory)
3rd	Disaster Preparedness	1) Mayor's message on Disaster preparedness 2) Directory + Map of evacuation centers 3) How to Guides (RISE Guidelines on what to do when a disaster, like earthquake, strikes) 4) Panahon TV's YouTube on Disaster Preparedness

4th	LGU Services & News	1) Links to the City's Official Facebook + CDRRMO Facebook 2) Directory of departments
5th	Useful Apps or Websites (designed to enhance citizens' disaster preparedness capabilities, health, and wellbeing)	1) PHILVOLCS 2) RED CROSS 3) Others
6th	Community Forum	1) Divided into topics: evacuation center related questions, disaster relief, general questions, etc. (** Capability to filter through questions with keywords so you can see if your question has already been answered) 2) Donation page (Page Feature)

➤ **Button Panel Layout**

Home	Incident Report	Directory	Disaster Education	Community Forum	LGU News
------	-----------------	-----------	--------------------	-----------------	----------