

INTRODUCTION

The **SMART Wireless Engineering Education Program** or SWEEP is a unique industry-academe partnership that aims to raise the level of technology and engineering education in the country, particularly in the field of Electronics and Communications Engineering (ECE). The program includes the provision of a wireless laboratory that helps students and faculty members in partner schools study different aspects of cellular networks as well as a continuing education program handled by SMART engineers and industry experts.

SWEEP also includes an awards program called the SWEEP Innovation and Excellence Awards, a nationwide search for the most innovative wireless applications designed by student-faculty teams of partner schools to benefit their respective communities. The awards program is highlighted by an annual event that presents an opportunity for budding engineers to showcase their technical know-how and ingenuity. This continuing initiative is a step towards fostering a culture of excellence and innovation among technological leaders of the future.

The 6th **SWEEP Innovation and Excellence Awards** will carry the theme ***“Empowering Communities Through Wireless Technologies”***.

Directions:

1. Entries must be replicable local wireless applications relevant to local development directions and local industries. These can be regional, Provincial, City or Municipal level applications.
2. Those interested to join can go beyond ECE and IT and engage other academic units like the colleges of social science, economics, business, etc. as appropriate. Allowing entries to benefit from a wider range of expertise as needed will strengthen ties within schools and prove more relevant to the schools in a cross-cutting manner
3. Participating student-faculty teams can earn more points for community relevance by collaborating with the appropriate and duly authorized local government unit /agency or recognized industry association.
4. Participating student-faculty teams are encouraged to employ a multi-disciplinary but technology-based approach in coming up with entries. If appropriate, the entry must be reviewed by the appropriate and relevant academic unit other than Engineering.

Possible Collaborators

1. Development councils at the Regional, Provincial, City or Municipal level;
2. Planning and Development Office at the Provincial, City or Municipal level;
3. Local chambers of industry.

Areas of Wireless Application

1. Delivery and management of basic public services – health, education, relief, operations, disaster response, postal services, etc.
2. Local government operations – taxation, permits, price monitoring, civil registry, etc.
3. Industry applications – coconut, flowers, tuna, seaweed, tourism, rural banking, micro-credit, financial transactions, transport, etc.

MECHANICS

Entries to the 6th Sweep Innovation and Excellence Awards will undergo four stages, namely:

1. Submission of entries.
2. Project Concept presentation during the regional road show.
3. Short Listing.
4. Final Judging.

Submission of Entries

What type of entries?

The wireless applications submitted as entries should strictly adhere to this year's theme. The project entry must also have as primary and direct beneficiary the community in which the project team belongs.

Entries that were part of the previous SWEEP Awards short list will no longer be eligible for this year's contest. This list can be found in the Awards section of the SWEEP website, www.smartsweep.ph.

How many entries?

A maximum of 10 entries can be submitted per school. SMART will assign an Entry Number upon submission to ensure the anonymity and confidentiality of the entries.

Who can join?

The contest is open to all undergraduate student-faculty teams from schools and universities that are part of SWEEP with signed MOA as of August 15, 2009. Participants must be bona fide students and faculty of the school or university submitting the entry.

Each team can only have one faculty member who will serve as the team's coach / mentor and one designated student team leader. To ensure the quality of entries, the schools are strongly encouraged to conduct preliminary short listing prior to submission to SMART.

Students and faculty members who are related to employees of Smart Communications, Inc. up to the second degree of affinity or consanguinity are prohibited from joining the competition.

How to join and submit an entry?

Three documents are required:

1. Official Entry Form
2. Statement of Innovation
3. Project Abstract

Official Entry Form - Interested parties must accomplish the official entry form, which can be downloaded at www.smartsweep.ph. Completed original entry forms must be endorsed and duly SIGNED by the Dean of the College of Engineering and / or the University President to certify the eligibility of the entry (i.e. team is composed of bona fide students with a legitimate faculty mentor).

Statement of Innovation - With this document, prospective participants guarantee that their entries were not copied from previous SWEEP Awards entries, that they were not entered in any other competition, and that they do not infringe on the intellectual property rights of any third party.

Project Abstract – This document gives a brief description of the wireless application.

All three (3) required documents: Official Entry Form, Statement of Innovation and Project Abstract can be submitted via personal delivery, courier, or postal mail to:

SWEEP Innovation and Excellence Awards
c/o Public Affairs (Attn: Ms. Marissa P. Mercado)
8/F SMART Tower 1
6799 Ayala Avenue, Makati City

For an entry to be considered **official**, all three (3) required documents must be duly accomplished and must be received by Smart Communications, Inc. Public Affairs Group on or before **September 11, 2009**. SMART will confirm receipt of said required documents via e-mail to the designated team leader.

Reminders

- Entry must adhere strictly to the contest theme
- Entry must not be one of those short listed in previous SWEEP Awards
- Team members and Coach-Mentor must be bona fide students and faculty of a SWEEP university or college
- Students and faculty participants must not be related to employees of SMART up to the second degree of affinity or consanguinity
- All required documents must be duly accomplished and submitted on or before published deadlines

Project Concept Presentation

Guidelines:

- Student-faculty teams that submitted entries are advised to take note of the schedule* of regional presentations:

DATE	AREA
September 21 to 22, 2009	Metro Manila and South Luzon
September 24 to 25, 2009	North Luzon
September 28, 2009	Visayas
September 30, 2009	Mindanao

**Dates may change depending on the number of entries received per area.*

- The presentation must follow the prescribed template for uniformity:
 - A. Font : Arial
 - B. 6 x 6 rule (not more than 6 lines per slides/around 6 words per line)
 - C. 10-15-30 rule (10 slides, 15 minutes presentation max, 30 font size)
 - D. No School logo or name
 - E. No animations
 - F. Use standard template provided by SMART
- The presenter will be provided the following:
 - A. Projector
 - B. Screen
 - C. Microphone
 - D. Laptop with following specs:
 - i. 1GB RAM
 - ii. Core 2 Duo
 - iii. 80GB hard disk
 - iv. Windows XP SP3
- Each presenter must ensure that the presentation is saved in a thumb drive and will run on the specified equipment. The presenter can also opt to bring his or her own laptop.
- Each team will be allowed only one presenter. He or she should be any one of the students whose names are indicated in the official entry form as team members. He or she should be at the venue at exactly 8:00 am.
- The order of presentation will be determined by drawing lots.
- Each presenter must start by stating his or her name and the project title.

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- Each presenter is given five (5) minutes to load his or her presentation or set up his or her laptop, fifteen (15) minutes to explain the entry and demonstrate the working models/prototypes and ten (10) minutes to answer questions during the Q&A. Time, if not fully consumed, may not be carried over from any previous segment (i.e., if a presentation finishes in ten (10) minutes, Q&A will remain at ten (10) minutes and not be extended to fifteen (15) minutes).
- Only the scheduled presenter and his or her team will be allowed inside the judging room. Team members are **STRICTLY PROHIBITED** from coaching their designated presenter during the presentation. The rest of the teams will be in a holding room and will be able to watch the presentation via live video feed. However, they will not be allowed to watch the Q&A.
- The presentation will be assigned points based on the following:
 - A. Service Description
 - B. Technical Description
 - C. Testing Plan

Short Listing

A team of experts from SMART, DOST and a technologies application NGO will determine the top 10 entries based on the Project Abstract submitted in the initial selection stage as well as the Project Concept Presentation. Entries that make it to the short list should have at least a passing score of 35.75.

SMART will inform the leader of the teams whose entries made it to the short list on **October 16, 2009**. Upon receiving the official notification, the finalists should already start preparing for the Final Judging.

Final Judging

SMART will identify and convene a distinguished Board of Judges, composed of two experts from SMART and three judges independent of the company. All decisions reached by the Board of Judges **shall be final**.

Short listed teams will be responsible for shipping, setting up and showcasing their entry during the Exhibit & Award Ceremony on the **first week of February 2010** in SM Megamall Megatrade Hall. SMART reserves the right to postpone or to change the time and the venue of the exhibit and awarding ceremony.

The student-faculty teams whose entries made it to the short list must give a ten-minute presentation before the Board of Judges. Teams must have their working models ready by this time. Evaluation of their entries will continue during the event itself, where they will be asked to exhibit and explain their working models to the public.

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The student-faculty teams whose entries made it to the short list must follow the following guidelines during their demonstrations and final presentations to the panel of judges:

- Demonstration of prototypes to the panel of judges:
 - Each team will be allowed only one presenter. He or she should be any one of the students whose names are indicated in the official entry form as team members.
 - Each presenter will be given ample time to demonstrate and explain the prototype. If needed, team members are also allowed to answer question from the judges. Only the faculty mentor is strictly prohibited from answering questions regarding the prototype.
- Final presentations to the panel of judges:
 - The presentation must use the same template as the project concept presentations during the road shows and must follow the same guidelines:
 - Font : Arial
 - 6 x 6 rule (not more than 6 lines per slides/around 6 words per line)
 - 10-15-30 rule (10 slides, 15 minutes presentation max, 30 font size)
 - No school name or logo
 - No animations
 - The presenter will be provided the following:
 - Projector
 - Screen
 - Microphone
 - Laptop with following specs:
 - 1GB RAM
 - Core 2 Duo
 - 80GB hard disk
 - Windows XP SP3
 - Each presenter must ensure that the presentation is saved in a thumb drive and will run on the specified equipment. The presenter can also opt to bring his or her own laptop.
 - Each team will be allowed only one presenter. He or she should be any one of the students whose names are indicated in the official entry form as team members.
 - Each presenter must start by stating his or her name and the project title.

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- Each presenter is given five (5) minutes to load his or her presentation or set up his or her laptop, fifteen (15) minutes to explain the entry and ten (10) minutes to answer questions during the Q&A. Time, if not fully consumed, may not be carried over from any previous segment (i.e., if a presentation finishes in ten (10) minutes, Q&A will remain at ten (10) minutes and not be extended to fifteen (15) minutes).
- All presentations will be made before a panel of judges. Only the scheduled presenter and his or her team will be allowed inside the judging room. Team members are **STRICTLY PROHIBITED** from coaching their designated presenter during the presentation.
- Each finalist is required to submit a Statement of Local Engagement and an updated entry form.

Statement of Local Engagement - This document warrants that the team engaged the LGU/ local NGO in identifying local issues and concerns that the application addresses. The form can be downloaded at www.smartsweep.ph.

All two (2) required documents: Updated Entry Form and Statement of Local Engagement, can be submitted via personal delivery, courier, or postal mail to:

SWEEP Innovation and Excellence Awards

c/o Public Affairs (Attn: Ms. Marissa P. Mercado)
8/F SMART Tower 1
6799 Ayala Avenue, Makati City

For an entry to be considered **official**, all two (2) required documents must be duly accomplished and must be **RECEIVED** by Smart Communications, Inc. Public Affairs Group on or before **January 22, 2010**. SMART will confirm receipt of said required documents via e-mail to the designated team leader.

Final Judging will have the following criteria:

- A. Technical Feasibility (10 Pts.)
 1. Is the prototype working?
 2. Were the objectives met? Was the problem addressed?
 3. Is it feasible? Are resources available and sufficient?
 4. Is it scalable?
 5. Was the expected output in the test plan achieved?
 6. Is it a complete system?
- B. Innovation (5 Pts.)
 1. Is the idea novel?
 2. What are its outstanding characteristics?

C. Social Impact and Relevance (10 Pts.)

1. What need of the community does it address and is it an essential problem?
2. How wide is the scope of service? Does it solve all aspects of the problem?
3. Is the new application cost-effective?
4. Will it have an adverse effect on the environment? If yes, are there efforts to mitigate these?
5. Was the community engaged?

Computation of the final score will follow a *median rating system*.

Median Rating System:

All five judges will rate an entry per criteria based on the above breakdown. The highest and lowest judge's rating of an entry for a particular criterion will be excluded. Only the three middle ratings will be added up and averaged. This will be the criterion score of an entry. The final score of an entry will be the total of all three criteria scores.

Example: **Entry 1**

Criteria: Technical Feasibility

Judge 1	9
Judge 2	7
Judge 3	8
Judge 4	6
<u>Judge 5</u>	<u>5</u>

21 / 3 = **7.00 Technical Feasibility score**

Criteria: Innovation

Judge 1	3
Judge 2	5
Judge 3	4
Judge 4	2
<u>Judge 5</u>	<u>4</u>

11 / 3 = **3.66 Innovation score**

Criteria: Social Impact and Relevance

Judge 1	8
Judge 2	6
Judge 3	10
Judge 4	9
<u>Judge 5</u>	<u>7</u>

24 / 3 = **8.00 Social Impact and Relevance score**

Technical Feasibility	7.00
Innovation	3.66
<u>Social Impact & Relevance</u>	<u>8.00</u>
Final Score of Entry 1	18.66

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In the event of a tie between two or more entries, the final scores will be recomputed with the inclusion of the highest judge's rating in the Innovation criterion.

The entries with the top three final scores will be awarded the 1st, 2nd and 3rd place honors accordingly. The 1st place winner will receive Php 500,000; second prize, Php 300,000; and third prize, Php 150,000. Merit prizes of Php 30,000 each will be given to the rest of those short listed. Cash prizes will be subject to the following sharing scheme: 80% to the student proponent/s and 20% to the teacher-mentor. Schools of the top three winning students-faculty teams will be awarded the same amount (1st prize, Php 500,000; second prize, Php 300,000; and third prize, Php 150,000) in the form of a grant, the use of which will be mutually agreed upon between SMART and the school.

PROPERTY

Schools retain ownership of the submitted entries. However, SMART has the right to make the first offer to commercially develop any entry not selected as a SWEEP finalist within six (6) months following the conclusion of the Awards. Schools can offer the application to another entity if SMART does not make an offer within the period. For finalists and winning entries, SMART or any member of the PLDT Group has the exclusive right to develop the applications commercially for six (6) months following the conclusion of the Awards. In the event that SMART or any of member of the PLDT Group chooses to market any of the entries as a commercial product, SMART and the designer/s of the application will enter into a revenue-sharing contract.

The student/faculty team warrants that the entry is their original idea, has not been entered in any other competition, and does not infringe on the intellectual property rights of any third party. Wireless service applications that are already in commercial production may not be entered. With the exception of patented inventions and inventions covered by a pending patent application, entries must not have been publicly disclosed prior to submission and shall be maintained in confidence by the Entrant and by SMART until the Exhibit and Award Ceremony. However, SMART shall not be liable to any participant for commercializing ideas that have been independently developed by SMART but are similar in concept to submitted entries.

WAIVER

1. Entrants agree to abide by the terms of these Official Rules and by the decisions of SMART and/or the judges, which are final and binding on all matters pertaining to this contest. By joining the contest, the participants agree to waive any right to claim ambiguity or error in these Official Mechanics. Except where prohibited by law, the winners consent to the use of their name and/or likeness by SMART for advertising and publicity purposes without compensation.

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2. Each participant agrees that SMART and its parent company, agents, representatives, affiliates, and employees will have no liability whatsoever for any injuries, losses, or damages of any kind resulting from his participation in the contest, or resulting from the acceptance, possession, or use of these prizes, nor in any way are responsible for any warranty, representation, or guaranty, express or implied, in fact or in law, relative to any prize, including but not limited to the quality, condition, or fitness.
3. SMART assumes no responsibility for any problems or technical malfunction of any telephone network or lines, computer systems, servers, software, Internet service providers, or e-mail systems; failure of any entry to be received on account of technical problems or incomplete, late, lost, damaged, illegible, misdirected, or postage-due mail; or any combination thereof, including damage to participants' or anyone else's computer equipment related to or resulting from participation or downloading of any materials in this contest.
4. Any attempt by a participant to deliberately damage any website or undermine the legitimate operation of this contest is a violation of criminal and civil laws, and should such an attempt be made, SMART reserves the right to seek damages from any such participant to the fullest extent permitted by law.