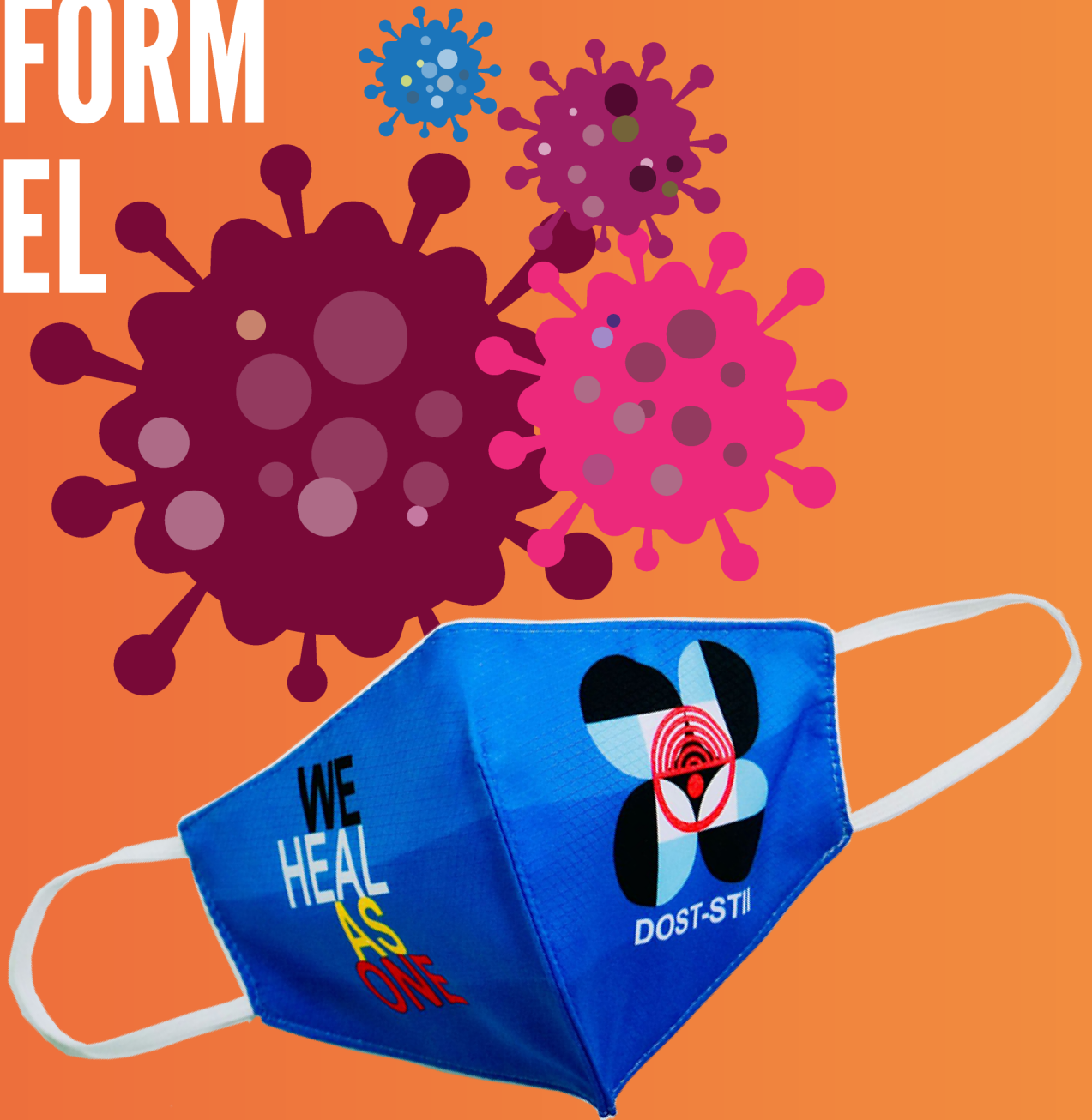


PIVOT PERFORM EXCEL

2020 Performance
Report



Department of Science and Technology
**SCIENCE AND TECHNOLOGY
INFORMATION INSTITUTE**



Scan this QR code for a
quick view of DOST-STII
Performance Report

ABOUT THE COVER



The cover concept and design of the 2020 Performance Report of the DOST-Science and Technology Information Institute reflects the theme, “Pivot, Perform, Excel” which describes how the Institute adapted to the challenges brought about by the COVID-19 pandemic. The visual composition is a mix of an actual photograph of the face mask symbolizing adaptability, agility, and resiliency of the Institute and its response to embrace the new normal while thriving amid the virus rendered as vector art. These elements interact with one another amid a splash of vibrant colors that show dynamism against adversities as the Institute recalibrated its organizational strategies and recast its day-to-day operation to still fulfill its mandate of providing science, technology, and innovation information to its various stakeholders.



ABOUT THE INSTITUTE

The Science and Technology Information Institute (STII), established in 1987 through Executive Order No. 128, is the information and marketing arm of the Department of Science and Technology (DOST). DOST-STII is primarily tasked with providing S&T information services and advocacy and S&T information reference services through its library.

STII implements its mandates through the two major programs:

A. Operation of Science and Technology Center for Information Services

- Library operations covering multimedia materials acquisitions, cataloging, and reader's services classification
- Literature search, reference, and referral services
 - Current awareness services
 - Document delivery services
- Documentation
- Training and consultancy on IT, S&T information handling, processing and services

B. Science and Technology Promotion and Advocacy Services

- Information gathering and processing, packaging, and dissemination of S&T information to different media such as print, broadcast, radio, TV and new media
- Production and dissemination of in-house S&T publications
- Drafting and editing of speeches, messages, and DOST documents
- media guides, posters, and customized promotional materials
- Development of audio-visual production packages
- Media relations and related networking activities

Philosophy

DOST-STII's philosophy is rooted in its development mission to achieve and maintain S&T information excellence and deliver effective and efficient service in an environment where information at the moment of value is key to competitiveness.

DOST-STII promotes the widespread use and appreciation for S&T information. Through its continuing resource sharing activities, S&T popularization services, and IT-based solutions, DOST-STII makes S&T information more accessible and valuable to all Filipinos.

Its people are the Institute's most important resource. Librarians, writers, information analysts and communication specialists double up as information brokers, publicists, advertising executives, and image builders for DOST and DOST-STII. With the advances in ICT and the increasing demand for S&T information, DOST-STII must keep pace by

employing and training communication and information professionals who can meet the standards of competent service.

Mission

We provide accurate, relevant, timely, and inclusive Science, Technology, and Innovation (STI) information through resource sharing and efficient delivery systems.

We promote public awareness, understanding, and appreciation of gender-responsive STI information and its role in national development.

We capacitate our key stakeholders as partners and advocates in building an STI culture.

Vision

We are the leading agency and the authority on science, technology, and innovation (STI) information geared towards building a culture of STI to accelerate the nation's socio-economic development.

Mandate

The DOST-STII was created by virtue of Executive Order No. 128 issued on 30 January 1987, with the following mandates:

- Establish and develop a science and technology databank and library
- Disseminate science and technology information
- Undertake training on science and technology information

Quality Policy

"We, the management and employees of DOST-STII, are committed to establish a science and technology databank and library, disseminate and undertake training on science and technology information, and other related services to the private and government sectors, according to the core values stated below that define what the agency believes in and how it relates with its stakeholders:

INTEGRITY

Demonstrate consistently the generally accepted values and norms of professional and ethical behavior.



EXCELLENCE

Provides timely, accurate, and relevant public service to attain the highest level of client satisfaction.

COMMITMENT

Demonstrates passionate drive to deliver quality results.

INNOVATION

Adds value by pursuing continuous improvement of products and services.

COLLABORATION

Engages competent people to achieve a common objective.



We are committed to continually improve the effectivity of our Quality Management System at all times in order to meet customer satisfaction and all regulatory and statutory requirements; to address risks and opportunities; and to pursue the vision and strategic direction of the Institute to be the leading agency and the authority in Science, Technology, Innovation (STI) information geared towards building a culture of STI to accelerate the nation's socio-economic development."

CONTENTS

■ Note from the Secretary	9
■ Note from the Undersecretary	10
■ Note from the Director	11
■ Special Report of the Director	13
■ Digital transformation experience	20
■ What makes DOST-STI library the go-to place for students?	28
■ Library Collection: Revisiting available library resources	31
■ Extension services through InfoSerbilis and KNeL Project	33
■ From face-to-face seminars to virtual meetings and webinars	34
■ STARBOOKS turns nine	36
■ Creating relevant STI information at the right time, at the right place	42
■ Social Media Assets	45
■ Popular Publications	47
■ Media Dissemination	49
■ DOSTv: Science for the People	50
■ Knowledge and Inspiration in Science Stories (KISS)	53
■ S&T Awareness	55
■ Frontline Services	56
■ Thriving in the midst of adversities	60
■ Occupational Safety and Health (OSH)	63
■ Procurement Management	68
■ First Virtual 2020 National Science and Technology Week	74
■ Gender and Development	78
■ Organizational Chart	80
■ Executive Committee	81
■ Production Team	82

STII

AT GLANCE

Physical Accomplishment

Science and Technology Information Reference Services

ACTUAL ACCOMPLISHMENT

2019

2020



Quantity

Number of clients served

1,830,143

2,245,941



Quality

Percentage of clients who rated the services satisfactory or better

95.6%

98.48%



Content Build-up

S&T information materials scanned (titles/ pages)

increase in titles

2,902

506

increase in pages

182,005

55,457

Science and Technology Promotion and Advocacy Services

ACTUAL ACCOMPLISHMENT

2019

2020



Quantity

Number of promotion services rendered

1,123

1,045



Quality

Percentage of clients who rated the services satisfactory or better

99.74%

100%



Awareness

Percentage of National Awareness of S&T information

16%

23%



DOST Net Satisfaction Rating

+51
(Good)

+57
(Very Good)

Budget Utilization

ACTUAL ACCOMPLISHMENT

2019

2020



Obligations incurred/Allotment received

99%

94%

Disbursements/Obligations incurred rate

94%

97%

2020 Highlights

Promoting Science and Technology Information through DOSTv and Social Media

Expertalk Online (for 36 episodes) Reach 518,564 Engagement 40,013 Views 122,833	DOST Report (for 35 episodes) Reach 1,057,799 Engagement 96,626 Views 228,091	157%↑ Facebook page visits 135,912,987 96%↑ Organic Reach 42,797,496 38%↑ Audience Reach 5,626,417
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14th Gandingan ng Kaunlaran Award
 (Most development-oriented Radio/TV/Online Program)

Gold Anvil Award for Public Relations Program on a Standard Basis in the Environment/S&T Category and Silver Anvil Award for the Public Relations Tool Category

Finalist in Catholic Mass Media Awards

4,962

STARBOOKS Sites installed
 (Nationwide)

4th

Time to be included in the National Priority Plan of National Economic Development Authority

15

New partnerships sealed

3

STARBOOKS App: Mobile STARBOOKS
 STARBOOKS Quiz
 STARBOOKS Geomap

87

Out of 96 DOST-STII staff attended E-learning courses & webinars

ISO 9001:2015

Certification with no non-conformities and two best practices
 (2nd surveillance remote audit)



NOTE FROM THE SECRETARY

The year 2020 has been a year of challenges for people across the globe. On the other hand, it is a year of simplification; a return to the most basic of doing things, so to speak. We were thrust into recalibrating our plans and goals and learned to see things through a different lens.

Until now, the challenges of COVID-19 may seem to ramify in the years ahead. We are therefore inclined to discover new possibilities and adapt to new norms to continue with our responsibilities amidst these challenges, and strive to excel, if we are expected to thrive.

DOST-STII was also beset with very distinct challenges, which may have slowed down the Institute's performance in the early part of the year. But we saw how DOST-STII managed to remain on track and found its bearings along the way.

With determination and a spirit of cooperation among its personnel, DOST-STII was able to pivot from doing face-to-face communication activities and in providing library services by transitioning to virtual activities in order to deliver its services to the people. It was able to immediately set in motion alternative ways to fulfill its mandate despite the limitations and physical restrictions brought about by the community quarantine.

The Institute's decisive shift towards conducting virtual pressers while maintaining a warm relationship with our media friends is proof of their capability to adapt to change. The continued presence of DOSTv, heralding 'good' news stories in print and online, did not wane in numbers nor in quality.

STARBOOKS became more relevant as it remains in touch with its various stakeholders, particularly our students, by providing opportunities for alternative learning in these fast-changing times.

It is worthy to note the significant rise of DOST's presence in social media. Its compelling yet relatable stories were able to deliver our programs and messages in concise, visually appealing infographics and equally informative texts. The new environment paved the way for the DOST and its many initiatives to be recognized and appreciated by the public.

Congratulations to the DOST-STII for its performance under extraordinary circumstances. I hope that in the coming year, the Institute will take on bigger roles for the DOST system to leave positive impacts on people's lives, because more than anything else, science remains to be for the people.




PROF. FORTUNATO T. DE LA PEÑA
Secretary

NOTE FROM THE UNDERSECRETARY

The year 2020 has been a challenging year for all of us, with various natural hazards which started with the eruption of Taal Volcano and ending with a series of tropical cyclones, and the COVID-19 pandemic and the ensuing health and economic issues, and mobility and operational restrictions that affected institutional functions and services.

Despite these hurdles, 2020 has been a good year for the DOST system as it has been recognized as one of the organizations that were a source of important information, products and services that were very beneficial to the country.

For this, I would give credit to the Science and Technology and Information Institute that played a big role in creating a good perception of DOST, and at the same time contributed significantly in amplifying the communication efforts of DOST agencies and regional offices. With the unexpected imposition of quarantine restrictions, DOST-STII pivoted by capitalizing on social media and virtual platforms to bring the good news from the DOST. I congratulate and thank the DOST-STII team for a job well done.

I'm happy to note that the Institute continues to improve every year. Its communication group has been instrumental in developing innovative programs in broadcast and online platforms, organizing events like virtual pressers, and creating media releases and social media posts to bring relevant news and issues out for the public to appreciate.

Further on, STARBOOKS continues to be recognized as a key source of S&T information and is now part of the DepEd reference tools. DOST-STII staff, with the various webinars organized in 2020, have shown that they can be important resource persons for science and technology and information operations.

During these trying times, I saw that the DOST-STII adapted to the new normal by providing opportunities to continue with its mandated tasks while safeguarding the welfare of its employees through flexible work arrangements, enhanced physical facilities to maintain health protocols, and encouraged creative thinking to come up with new ideas on how to effectively deliver its messages despite the quarantine.

DOST-STII should not stop with these results. Looking forward to a 'better normal', it needs to plan and operate, bearing in mind the lessons learned from 2020, to move onwards with much vigor; conscious of the possibility that the same challenges will persist in the succeeding year.

I know that you can do these things as a team – a team that strives for EXCELLENCE, a team that AIMS RIGHT which crafts and owns an ambitious but doable strategic plan, treating each other with RESPECT and TRUST by building up one another, and with a HEART for public service.



DR. RENATO U. SOLIDUM JR.

Undersecretary for Scientific and Technical Services





NOTE FROM THE DIRECTOR

The year 2020 was unforgettable and many would consider it a year of the great upset when so much was lost but it also became the year of radical reset at it became the fulcrum towards going fully digital.

Amidst the pandemic, the Science and Technology Information Institute (STII) of the Department of Science and Technology did not stop communicating science for the people and it even paved the way to form its own 'PPE', our definition of Pivot, Perform and Excel, that enabled the institute to survive and thrive amid this most difficult period.



The DOST-STII immediately pivoted its operations and services in facing the new normal. First and foremost, the agency ensured the safety of its employees by implementing health and safety protocols inside the office that resulted in a COVID-free workplace. DOST-STII was also the first in the entire DOST System to implement the Occupational Safety and Health (OSH) program.

As one of the government agencies that adhered to the "Bayanihan To Heal as One Act" (RA 11469), the agency doubled its communication initiatives by providing S&T news related to COVID-19 using both traditional media and new media including social media platforms, DOSTv online reports and segments, mobile applications, digital publications, virtual pressers, virtual events, and webinars.

Furthermore, the agency leveraged its two major programs, STARBOOKS and DOSTv, that were both included in the National Priority Program in 2020. STARBOOKS, a digital S&T library-in-a-box, offered new ways to engage and reach its users across the country through the development of three mobile applications: STARBOOKS App, STARBOOKS Geomap, and the STARBOOKS Quiz. As a result, more than two million users are now able to access the contents of STARBOOKS online. Meanwhile, DOSTv, the broadcast program of the DOST, immediately reverted to live streaming in social media to keep the public informed, when and where the news is. The DOSTv platform also served as an effective tool to broadcast the weekly DOST Report of DOST Secretary Fortunato T. de la Peña, thus sustaining connectivity of the DOST to its audiences because science is for the people.

Despite the challenges, the agency did not just pivot its way to the new normal, -but also performed exceptionally well which resulted in several recognitions and shared partnerships with various stakeholders and organizations. Our new partners are the following: Department of Education, DepEd Commons, PhilRice of the Department of Agriculture, Carl Balita Learning Center (CBRC), Centro Escolar University, CISTEM, Digital Out-Of-Home Philippines (DOOH), FlipScience, Lenovo Philippines, Rizal Technological University (RTU), Summit Media, TripplesPH, Unilab Foundation, Inc., and United Neon.

Moreover, the agency also excelled in upholding integrity at all levels and its continuous quest to improve. The DOST-STII received the highest and best rating a government agency can receive from the Commission on Audit (COA), with an Unqualified Opinion rendered based on the Annual Audit Report

issued on 28 August 2020. The agency also successfully maintained the existing ISO 9001:2015 certification on 26 October 2020 with no nonconformities identified and two best practices that exceeded the requirements for the standard.

Other awards and recognitions received by the Institute included the following: three Anvil Awards from the Public Relations Society of the Philippines for DOSTv; four Gandingan awards from the University of the Philippines Los Baños including the Most Development Oriented Radio/TV/Online platform for DOSTv, a finalist in two categories of the Catholic Mass Media Awards 2020 for DOSTv; and inclusion of DOSTv and STARBOOKS in the 2020 National Priority Plans (NPP).

Finally, when it comes to the national awareness on S&T news, the public's level of awareness went up from 16% in 2019 and jumped seven percentage points to 23% in 2020, according to the latest survey conducted by the Social Weather Stations. Being the marketing arm of the DOST, the agency exceeded the target for its major final output despite of the pandemic.


RICHARD P. BURGOS
Director





Eight Lessons Learned from the Pandemic: The experience of DOST-STII

The year 2020 was memorable. So memorable that it had to be named twice: 2020. In this duality, many could consider it a year of the great upset, when so much was lost: incomes, jobs, travel, even lives. But it could also be the year of the radical reset as it became the fulcrum towards going more fully digital.

The Science and Technology Information Institute of the Department of Science and Technology (DOST-STII) is one of the smallest of the 18 agencies of the Department. Our budget is very small, a mere 0.48% of the entire DOST budget in 2020. Our regular plantilla is only 64. And yet, amidst the pandemic, we found out that with our “little mandate” to keep a science and technology library, to communicate Science For The People, and to capacitate our stakeholders, we have a big voice! From the numbers, we realized it was not a bad year after all:

- 2M library online users despite the pandemic
- 99.48% library users rated our services satisfactory or better
- 5M people reached online
- 7M people engaged online
- P11.4B media value generated
- 23% national awareness level on S&T, from 16% in 2019

We may have lost a lot in 2020 but we did not lose the lessons. We learned a lot. Here are the eight lessons we learned from this most challenging environment imposed by the COVID-19 pandemic:

Lesson 1: In adversity, remember your friends

Early in the quarantine period, we realized that many of our media contacts and friends lost income opportunities and even their jobs. We dug into our personal pockets to send them food packs. The packs were not even enough to feed them for a few days, but it created goodwill that will last for a long, long time. We organized a virtual memorial for one who passed away. We engaged our friends in many virtual pressers and interviews so they can report stories on science and technology. We became very good at doing virtual meetings that in fact DOST-STII became the go-to team to assist other DOST agencies in their initial virtual meetings and conferences.

Charity begins at home and we ensured that our employees were safe by strictly following prescribed health standards. At year-end, not a single infection occurred within our premises. We enforced the work-from-home arrangement with the utmost consideration for the welfare of some of our elderly, disabled, or at risk. We paid out salaries and benefits on time or earlier to assuage economic fears. We supported mental health to overcome the longer-term impact of the lockdown. By taking care of our own, we ensured the continuous delivery of our services and the commitment to make up for the slack occasioned by the pandemic.

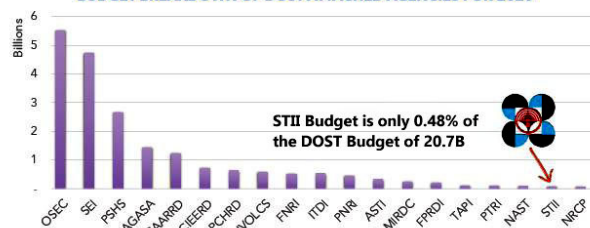


Lesson 2: Make size matter

We did not consider size a liability, instead we focused on our strengths. We leveraged our two major programs: STARBOOKS, a digital S&T library in a box, and DOSTv, our broadcast program for radio, television and online platforms. Both programs were included in the National Priority Plan of the National

Does size matter?

BUDGET BREAKDOWN OF DOST ATTACHED AGENCIES FOR 2020



Economic and Development Authority (NEDA) for 2020. There were only six projects included in that list and two were from our institute. Both programs, incidentally, are also digital natives.

STARBOOKS began 10 years ago after we digitized our S&T library materials and made them available for public access. By December, 4,962 units of STARBOOKS kiosks were deployed throughout the country. Significantly, 14 February 2020, just before the lockdown, the Department of Education signed a Memorandum of Agreement with DOST-STII adopting STARBOOKS and including it in their learning commons. We developed three mobile apps last year to make STARBOOKS even more accessible on Android gadgets. By year's end, while our physical library facilities were shuttered by the quarantine, more than two million accessed our contents online.

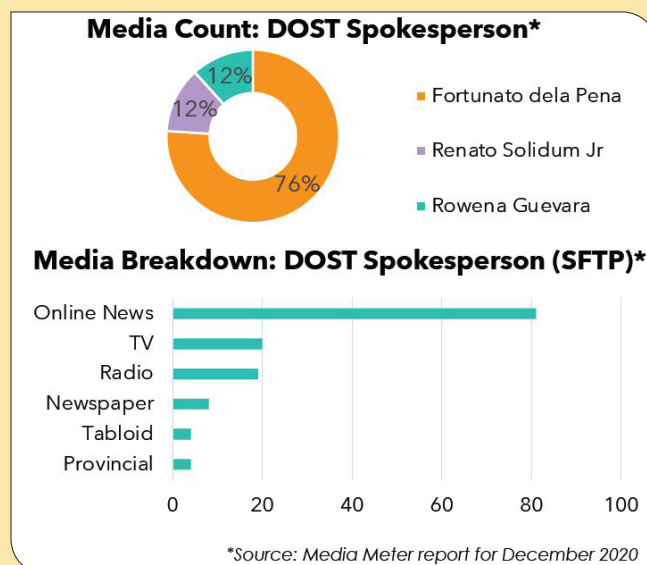
DOSTv, on the other hand, began live streaming in 2016 as a science and technology broadcast program. Eventually, it went on television via PTV4, GMA News TV, and GNN cable channel. We were also on Radyo Pilipinas 1. Through the lockdown, DOSTv became the voice of the Department for the outside world.

We overcame the limitations of our size to produce results that matter for the Institute, for DOST and for the country.

Lesson 3: Identify your spokesperson and be heard above the din

DOST is a house of experts but only three are designated official spokespersons for the Department: Secretary Fortunato T. de la Peña, and Usecretaries Rowena Cristina L. Guevara, and Usec. Renato U. Solidum Jr. Having designated spokespersons makes it easier for the media and the public to relate with the organization and for the organization to have a source of information that is authoritative, credible and reliable.

For Sec Boy, we created early in his term #scienceforthepeople as the tagline of his administration. Today, 6,000 Facebook (FB) users are using the hashtag, helping us to get the Secretary's voice heard above the din.



STARBOOKS Platforms in the New Normal

- 1 **STARBOOKS OFFLINE**
Offline Kiosks installed in schools, LGUs, libraries
- 2 **STARBOOKS ONLINE**
www.starbooks.ph
- 3 **MOBILE APPS**
STARBOOKS App
STARBOOKS Quiz
STARBOOKS Geomap
- 4 **STARBOOKS Webinar Series**
for science and math teachers

Library Services in the New Normal

- 1 **DOST-STII LIBRARY ONLINE REQUEST SERVICE**
Online request for DOST-STII Library materials
- 2 **ACCESS TO E-RESOURCES**
www.scinet.dost.gov.ph
- 3 **DOST-STII ONLINE LIBRARY LITERACY PROGRAM**
Online version of Library tour and orientation
- 4 **DOST-STII LIBRARY WEBINAR SERIES**
Online version of Library seminars
- 5 **PROMOTION OF DOST-STII LIBRARY SERVICES AND RESOURCES**
Through radio interviews and Facebook live shows

Lesson 4: Pivot

If at first you don't succeed, pivot! We do not need excuses even in disasters because we need to deliver on our major final outputs as our service to the public. Agility is key to successfully communicate Science For The People in a pandemic. We needed to recast our plans and programs to adapt to the shifting circumstances and capture new opportunities.



Our broadcast programs with the networks were no longer tenable and had to be suspended because of quarantine restrictions, so we immediately returned to live streaming to keep the public informed. Thus, the DOSTv Weekend Wrap Up was launched seven days after the lockdown, and eventually became the weekly DOST Report, the platform for Sec Boy to share the latest developments in S&T and for our media friends to pick their story leads from.

The annual National Science and Technology Week (NSTW) celebration had to be conducted entirely online for the first time in November 2020. Our social media campaign to participate in NSTW reached more than a million people compared to the few thousands in previous editions. With social media influencers, we had almost 1,000,000 views on Tiktok alone!

For our internal learning and development programs, we resorted to online courses and webinars and trained 91% of our staff. We organized webinars to inform and train our clients and the public and to heighten the confidence of our staff in their own expertise!

STARBOOKS Platforms in the New Normal

1 STARBOOKS OFFLINE

Offline Kiosks installed in schools, LGUs, libraries

482

STARBOOKS Sites

Installed from January-December 2020

- 26 installed by STII
- 456 installed by DOST Regions

4,962

Total STARBOOKS Sites
As of December 2020

2 STARBOOKS ONLINE

www.starbooks.ph



3 MOBILE APPS



3,369*
STARBOOKS App



344*
STARBOOKS Quiz



208*
STARBOOKS Geomap

*Number of app downloads as of 31 December 2020

4 WEBINAR SERIES

139,666
Facebook reach

34,525
Facebook engagement



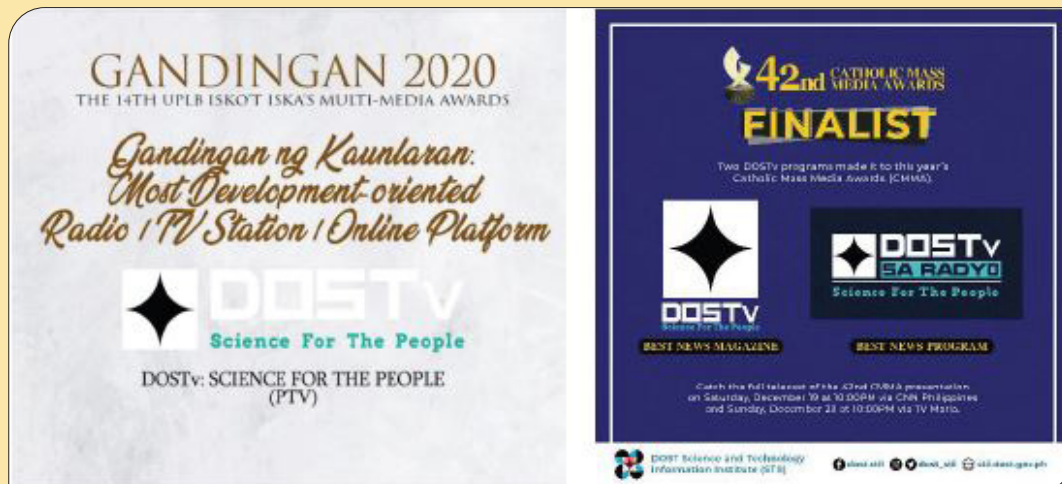
Lesson 5: Perform

There is no longer any security of tenure in government service. It is the performance that counts and continuous improvement leads to quality management excellence. In the pandemic, the need to innovate, to go beyond the usual, to create greater value added was more acute. Perform we did.

Despite the pandemic, STARBOOKS was installed in 482 sites with the help from our regional offices, bringing the total number of sites to 4,962. The number of users increased by 114.53% or 7,796, and the number of materials accessed rose by 38.76% or 527,554. We launched three mobile applications for STARBOOKS, which were downloaded by 3,921 users.

Our librarians responded to 2,610 online requests for materials and 10,052 requests to access e-resources, and enjoyed a 99% satisfaction rating. They launched an online library tour to reach 2,728 students from eight schools with a 90.32% satisfaction rating. Their webinars on library services in the new normal generated 4,901 participants, 5,904 FB engagements, 10,000 online views, and 17,276 reach.

Our social media campaign saw a decline of 22.05% in the number of posts year on year but enjoyed a 37.56% increase in reach totaling 5,626,417. Engagements also hit 7,364,781.



Lesson 6: Excel

Surprisingly, amid the pandemic we harvested a good crop of recognition and awards.

STARBOOKS and DOSTv were again included in the 2020 National Priority Plan of NEDA

DOSTv received three Anvils from the PR Society of the Philippines, and bagged four Gandingan awards from UPLB, including the Most Development Oriented Radio/TV/Online Platform. It was a finalist in two categories of the Catholic Mass Media Awards 2020.

The Commission on Audit gave DOST-STII an unqualified opinion on our financial statements, the highest audit rating for a government institution.

DOST-STII also maintained our 9001:2015 ISO accreditation with no non-conformities and two best practices.

So, Pivot, Perform and Excel became our PPE during the pandemic, enabling us to survive and even thrive through this most difficult period.

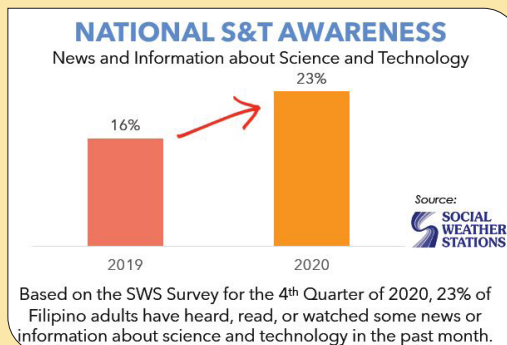
Lesson 7: Monitor, Evaluate, Recalibrate

The pandemic underscored the need for data to drive our communication efforts. Our staff understands this. We were also fortunate to engage external organizations to assist us in monitoring, analyzing, and reporting our media efforts and their impacts. They truly added value, boosted our confidence, and helped us win!



In 2016, we had no benchmark to establish the national level of awareness about science and technology. We established in 2017 that it was at a low 6%. We determined to double it in 2018 and got 13%. This went up to 16% in 2019 and jumped seven percentage points to 23% at the time of the pandemic.

We delivered 1,045 promotion services and generated P11.4 billion worth of media values.



Lesson 8: Be grateful. We're still here!

The most important lesson we learned from this pandemic is gratitude. It is the attitude that opens us up to the work of others, to the needs of the community, to the divine dimension, in order to realize what is truly valuable in our lives and our jobs, to enable us to receive more blessings and to begin the process of healing.

We are grateful that our workplace is safe and clean and that no one got infected by the virus here. We are still here. And we are more deeply committed to communicating Science For The People because it is what allows us to hope, to thrive, and to succeed.



Digital transformation experience

The year 2020 has been very challenging for the Information Technology Unit (ITU). The pandemic forced the sudden transition from an on-site and face-to-face work environment to a more modified experience that is highly dependent on the ability to perform and collaborate remotely.

Most of the work done by the ITU in 2020 was lined up to help the Institute in its digital transformation by providing technical support to the delivery of its various activities and services in this new environment.

Technical Support Services

When quarantine restrictions were implemented in the second quarter of 2020, the challenge was to continue the work flow even without physically reporting in the office. This prompted employees to be creative in their own work-from-home setup and ensure productivity amid the pandemic.

In 2020 alone, ITU provided a total of 384 support services, many of which were assistance to help employees in their transition to the alternative work arrangement, enabling them to work and collaborate with peers remotely. Compared to 2019, the current figure is 11% lower due to the lockdown implementation in April and May 2020.

Of the total 384 technical support provided by ITU in 2020, 41% is related to software, 37% to hardware, while the rest required both types of assistance for the client.



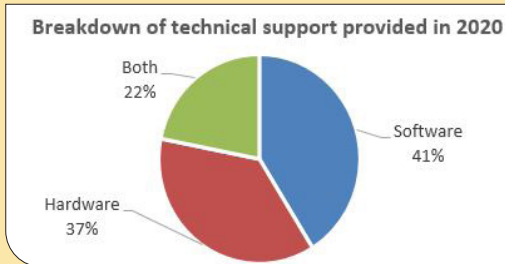


Figure 2. Breakdown of technical support provided in 2020

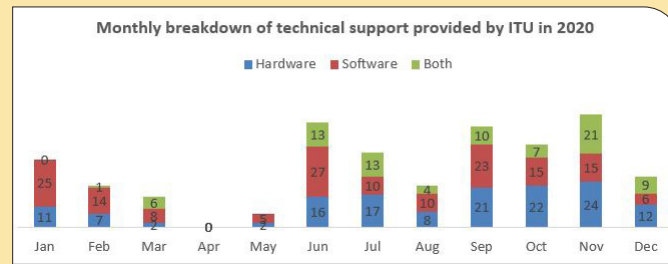


Figure 2. Monthly breakdown of technical support provided by ITU in 2020



Lloyd Frederick Mandapat, while working from home, assisted DOST Secretary Fortunato T. de la Peña during a live Virtual Presser.



The Electronic New Government Accounting System (eNGAS) accounting software that runs in private and secured network was made accessible for home-based employees without compromising its security features.

In terms of monthly breakdown, there was a decline in technical support during the lockdown period in April and May 2020, but there was a sudden increase in the following months when quarantine restrictions were relaxed in June 2020. This allowed the adoption of the alternative work arrangement and provided ample time for the institute to adjust its activities and services to the new normal.

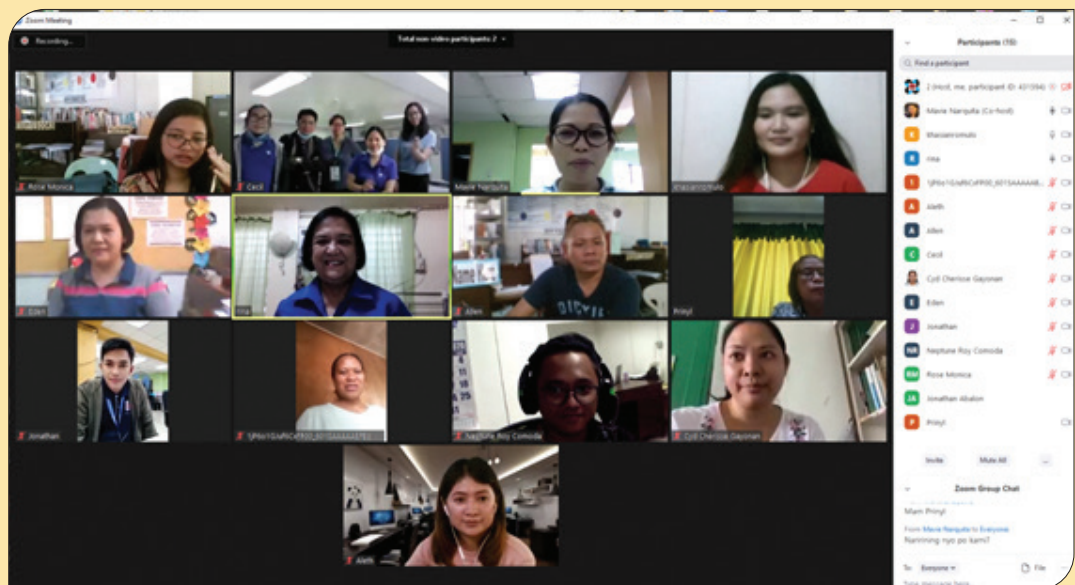
During this period, only 50% of the workforce were allowed on the premises at any given time as part of the health protocol. This resulted in the other 50% of the workforce that were unable to access internal applications to perform their tasks. As a solution, the ITU installed desktop applications such as Windows TeamViewer and Anydesk in the computers of home-based employees. Using these remote access applications, the employees were able to continue working as if they were in front of their office computers.

The ITU also introduced Zoom and Google meet as the newest platforms to conduct online meetings. These were used, together with other software applications, to hold virtual pressers for both DOST-STII and other DOST agencies as an alternative to the traditional media conferences that require the attendees to be physically present.

When it comes to the institute's internal business process, ITU aided in improving employee's attendance monitoring by developing an online platform, which enabled home-based employees to log-in and log-out of work and easily access forms such as the Health Declaration Form and Request to Report for Duty Form.

Science Library Integrated Management System (SLIMS)

Even with the restriction in face-to-face gatherings, ITU, together with IRAD, was able to conduct the deployment and training for the Science Library Integrated Management System (SLIMS) remotely to eight (8) of the Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (PCAARRD) regional consortia.



SLIMS remote deployment and training with Cagayan Valley Agriculture, Aquatic and Resources Research and Development (CVAARRD).



Table 1. List of regional consortia where SLIMS deployment and training was conducted in 2020.

July 2020
Cagayan Valley Agriculture, Aquatic and Natural Resources Research and Development Consortium (CVAARRD)
Ilocos Agriculture, Aquatic and Natural Resources Research and Development Consortium (ILAARRDEC)
Northern Mindanao Consortium for Agriculture, Aquatic and Natural Resources Research and Development (NOMCAARRD)
Southern Tagalog Agriculture, Aquatic and Resources Research, Development and Extension Consortium (STAARRDEC)
Western Visayas Agriculture, Aquatic and Resources Research and Development Consortium (WESVAARRDEC)
August 2020
CARAGA Consortium for Agriculture, Aquatic, Forestry, and Natural Resources Research and Development (CCAARRD)
Central Visayas Agriculture, Aquatic and Natural Resources Research and Development Consortium (CVAARRDEC)
MIMAROPA Agriculture, Aquatic and Natural Resources Research and Development Consortium (MAARRDEC)

Live streaming Services

DOST-STII has long been engaging in streaming services since the previous administration. With the restrictions in physical movement imposed during the quarantine period, the institute saw this as an opportunity to turn the experience into a viable service where it can take the lead.

In 2020, ITU participated in 45 online activities by providing technical means in transforming events into virtual activities.

Table 2. The list of streaming events supported by ITU in 2020

July 2020
DOST-FNRI Ted Talk
Opening of DOST-NAST – Annual Scientific Meeting
DOST-NAST Annual Scientific Meeting – forums
DOST-STII Webinar Series
DOST-FNRI Webinar Series: Dissemination of Expanded National Nutrition Survey Result for Year 1 and Year 2
STARBOOKS Webinar Series Part 1
Virtual Presser with DOST-NCR and DOST-TAPI
August 2020
DOST-STII Webinar Series – Regional Deployment Officers
STARBOOKS Virtual Training/Orientation with CBRC

STARBOOKS Webinar Series Session 2

Science E-Learning with IRAD

DOST-STII Webinar Series (External)

STARBOOKS Webinar Series Session 3

September 2020

Science E-Learning with IRAD

DOST Virtual Flag Raising Ceremony

PhilAAST Virtual Presser Dry Run

PhilAAST Virtual Presser

PhilAAST - Accelerating Regional Technology-based Development

PhilAAST - Industry-Academe Partnership in R&D

Science E-Learning with IRAD

PhilAAST - Community Empowerment through STI

PhilAAST - DOST-SUC-LGU Collaboration

SFTP Book Launch Virtual Presser

Installation and Setup/Host Zoom for IQA webinar

Installation and Setup/Host Zoom for IQA webinar

Installation and Setup/Host Zoom for IQA webinar

October 2020

iFWD PH Graduation Ceremony

National Research and Development Conference 2020

DOST-STII Library Webinar – Online Library Literacy 1

DOST-STII Library Webinar – Online Library Literacy 2

November 2020

DOST-STII Library webinar – Online Library Literacy 3

GAD Webinar

NSTW Opening Dry Run

NSTW 2020 Opening Ceremony

2020 Library and Information Services (LIS)

Online Kwentuhan with S&T Idols

Library Information Services Webinar Day 1

Library Information Services Webinar Day 2

NSTW Virtual Presser

Online Library Program for Las Pinas

December 2020

VCO Virtual Presser Dry run

DOST Virtual Presser Seeing Beyond COVID-19: The VCO Study

Online Library Literacy Program – Baliuag University (students)

Online Library Literacy Program – St. Mary's College

DOST-STII Virtual Thanksgiving

Virtual Presser for Nutrition Assessment Survey



ITU personnel were simultaneously working with other agencies during a live virtual presser.



The ITU together with the Audio-Visual team in a dry run for the DOST-Food and Nutrition Research Institute webinar series in July 2020.



RICHARD P. BURGOS

OFFICE OF THE DIRECTOR

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Administrative Assistant III





ALFON B. NARQUITA

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INFORMATION TECHNOLOGY UNIT

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Science Research Specialist I

What makes DOST-STII library the go-to place for students?





What makes the DOST-STII library the go-to place for students and researchers are its services and people—a huge collection of library materials, both printed and online library databases, and approachable library staff.

For the Information Resources and Analysis Division (IRAD), the year 2020 started in high spirit. Every day, the library was filled with students and researchers who were provided with materials for their school homework or maybe for something that could simply satisfy their curious minds. What is a science library without the students and researchers, who are born with a curiosity about science and technology?

However, the pandemic came unexpectedly in March, and consequently the community quarantine was enforced in most parts of the country resulting in the DOST-STII library taking a temporary hiatus in accepting physical walk-in library clients.

Despite the setback, the IRAD team believed that library services should not be hindered by any kind of unforeseen events such as natural calamities, disasters, and health emergencies. Learning must never stop and the thirst for STI knowledge must be satisfied at all cost. Thus, IRAD maneuvered to pivot and keep the library open for its clients without the need for them to be physically present by harnessing the power of digital technology.

Aiming for excellence, the DOST-STII library recalibrated its strategies and adapted to the current circumstances by tapping on partner institutions to share scientific publications and other knowledge resources. The library personnel also utilized online alternative learning tools on library services including the Science and Technology Academic and Research-Based Openly Operated Kiosks (STARBOOKS) to gain a wider client reach.

Embracing the new normal through online library services

A total of 2,245,941 library clients availed themselves of DOST-STII online library services for the entire year despite the lockdown.

Of this number, DOST-STII reached 2,216,496 online library clients in 2020 representing 21.4% compared to last year. This is proof that more library clients are accessing Science.ph and SCINET Integrated Library Management System-Online Public Access Catalog or SILMS OPAC.

Furthermore, there were 20,379 inquiries and requests received through several platforms while 419 were walk-in clients before the implementation of the enhanced community quarantine.

There were also 415 participants of the SILMS and STARBOOKS orientations for benchmarking guests and visitors; 5,504 on training and webinars, and 2,728 were participated in the online library literacy program.

LIBRARY SERVICES

2,245,941 TOTAL LIBRARY CLIENTS SERVED
vs. 1,830,143 clients (2019)

+21.3% ONLINE LIBRARY CLIENTS
2,216,496 (2020) vs. 1,826,684 (2019)

+14,052% INQUIRIES & REQUESTS RECEIVED
20,379 (2020) vs. 144 (2019)

+35.3% TRAINING & WEBINAR PARTICIPANTS
5,504 (2020) vs. 4,067 (2019)

98.48% OVERALL SATISFACTION RATING
vs. 95.6% satisfactory or better (2019)

DOCUMENTATION & DIGITIZATION

42,703 OCR-READY FILIPINIANA MATERIALS
pages vs. 24,364 pages (2019) or 75.3% increase

5,331 ADDED IN SILMS DATABASE
titles vs. 3,368 titles (2019) or 58.3% increase

64,126 PSTA DOWNLOADS
downloads vs. 25,824 downloads (2019) or 148% increase

21,980 SPHERES DOWNLOADS
downloads vs. 19,103 downloads (2019) or 15% increase

1,427,175 SCIENCE.PH WEBSITE
visits vs. 1,260,037 visits (2019) or 13.2% increase

789,321 DOST SCINET-PHIL WEBSITE
visits vs. 566,465 visits (2019) or 39.3% increase

STARBOOKS

2,216 QUIZ MATERIALS CONVERTED
*new entry

6,835 NEW MATERIALS PROCESSED
*new entry

9 NEW PARTNERS
for content, marketing and promotions,
deployment activities, and conduct of events

D
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R
A

In terms of client satisfaction, DOST-STII Library obtained an overall satisfaction rating of 98.48% (Satisfactory or higher) based on the consolidated Client Satisfaction Feedback form provided for walk-in and online clients.

Library Collection: Revisiting available library resources

During the imposition of the enhanced community quarantine, procurement activities were at a halt, thereby affecting the delivery of newly-acquired library resources during the first half of the year. The undelivered library resources hampered the processing of new library materials.

This challenge prompted the DOST-STII library management to pivot and resort to finding alternative ways to increase productivity by processing available library materials. As a result, 300 theses and dissertations received before the lockdown were processed, thus increasing the actual inventory with 462 titles and 2,660 issues of Filipiniana materials for archiving.

With easing up on quarantine restrictions towards the latter half of the year, 641 new library materials were processed before 2020 ended.

Documentation & Digitization: Pillars of library services

While the DOST-STII library pivoted, it continued performing with its frontline services by providing the public access to science, technology, engineering, and mathematics (STEM) information. At the back-end, the Documentation and Digitization Team continued to convert printed STEM materials into digital format.

The Digitization section came up with 42,703 OCR-ready pages on Filipiniana materials, representing a 75% increase versus the previous year.

Also, a total of 5,331 titles were added to the SILMS database and 10 scientists' profiles were registered in WebDB. This represented a 58.6% increase in bibliographic data for 2020.

From these bibliographic entries, IRAD produced two semi-annual publications, namely: the Philippine Science and Technology Abstracts or PSTA and the Specialized Philippine Enterprise Reference of Experts and Scientists or SPHERES.

The PSTA is a collection of classified abstracts of S&T information from journals and periodicals while SPHERES is a compilation of bibliographical information on the men and women specializing in science and technology.

Digitization

	ACTUAL ACCOMPLISHMENTS		PERCENTAGE INCREASE/(DECREASE)
	2019	2020	
SCANNED FULL-TEXT MATERIALS	182,005 pages	55,457 pages	(69.5%)
QUALITY ASSURED MATERIALS	125,324 pages	115,422 pages	(7.9%)
OCR-READY MATERIALS	24,364 pages	42,703 pages	75.3%
EXTRACTED MATERIALS	1,435 titles	3,433 titles	139.2%
FULL-TEXT ARTICLES UPLOADED TO SILMS DATABASE	1,609 titles	1,590 titles	(1.2%)
FULL-TEXT ARTICLES UPLOADED TO PHILIPPINE E-LIB PORTAL	868 titles	737 titles	(15.1%)





For 2020, PSTA accumulated 64,126 downloads against 25,824 in 2019 (148% increase) while SPHERES had 21,980 downloads in contrast with 19,103 in 2019 (15% increase).

For the same period, Science.ph and DOST SciNET-PHIL registered 1,427,175 and 789,321 website visits, respectively.

Lastly, STARBOOKS made a significant contribution to the library database as it converted 2,216 quiz materials and processed 6,835 new materials from partner institutions and individuals.

Extension services through InfoSerbilis and KNeL Project

Launched in 2019, DOST InfoSerbilis is a platform that hosts, consolidates, and converges DOST S&T information for a faster and more accurate information access. In particular, it responds to the inquiries relating to the following: DOST services; general information on DOST and its agencies; DOST key officials; DOST programs, projects, and activities; scholarship applications; and laboratory services.

Currently, DOST InfoSerbilis can be accessed through the Facebook platform and made available to all especially during the pandemic where people needed to connect with the government.

On the other hand, the project titled “Establishing the DOST-PCAARRD Knowledge Network of e-Libraries or KNeL Project is a collaboration with the DOST- Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST-PCAARRD), aims to transform the DOST-PCAARRD consortia of libraries into a digital information hub for easy retrieval and access on agriculture, aquatic, and natural resources (AANR) information.

For 2020, the KNeL Project deployed and installed the library management system, also known as Science Library Integrated Management System or SLIMS, and assigned digitization equipment to nine of the 15 DOST-PCAARRD consortia. Also, a virtual orientation workshop was conducted for technical staff of these nine DOST-PCAARRD consortia on organizing, processing, and managing information resources in AANR using SLIMS following the Resource Description and Access or RDA standards.

SLIMS deployment

Southern Mindanao Agriculture and Resources Research and Development Consortium (SMARRDEC)

Actual deployment 01-04 March 2020

Northern Mindanao Consortium for Agriculture, Aquatic and Natural Resources Research and Development (NOMCAARRD)

Virtual/remote deployment
Installation 24 June 2020
Training 02 July 2020

Cagayan Valley Agricultural and Aquatic Resources Research and Development (CVAARRD)

Virtual/remote deployment
Installation 18 June 2020
Training 08 July 2020

Ilocos Agriculture, Aquatic, and Natural Resources Research and Development Consortium (ILAARRDEC)

Virtual/remote deployment
Installation 13 June 2020
Training 15 July 2020

Southern Tagalog Agriculture, Aquatic and Resources Research, Development and Extension Consortium (STAARRDEC)

Virtual/remote deployment
Installation 01 July 2020
Training 30 July 2020

Western Visayas Agriculture, Aquatic and Natural Resources Research and Development Consortium (WESVAARRDEC)

Virtual/remote deployment
Installation 29 July 2020
Training 05 August 2020

Central Visayas Agriculture, Aquatic and Natural Resources Research and Development Consortium (CVAARDEC)

Virtual/remote deployment
Installation 10 August 2020
Training 13 August 2020

MIMAROPA Agriculture, Aquatic and Natural Resources Research and Development Consortium (MAARRDEC)

Virtual/remote deployment
Installation 10 August 2020
Training 20 August 2020

Caraga Consortium for Agriculture, Forestry and Resources Research and Development (CCARRD)

Virtual/remote deployment
Installation 17 August 2020
Training 27 August 2020



2,728
participants

35% 945
MALE

65% 1,783
FEMALE

90.32%
Very Satisfactory
or better

Kasarinlan High School, Caloocan City

13 October 2020
26 participants

Victoria Catholic School, Tarlac

22 October 2020
141 participants

Koronadal National Comprehensive High School, South Cotabato

04 November 2020
35 participants

Divine Light Academy, Las Piñas Campus

19 November 2020
650 participants

Baliuag University

09 December 2020
852 participants

St. Mary's College of Baliuag

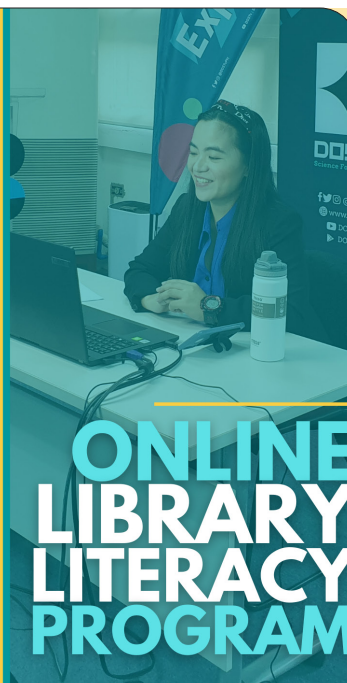
10 December 2020
659 participants

National University

10 December 2020
194 participants

Philippine Science High School - Eastern Visayas, CAR, and Ilocos Region Campuses

10 December 2020
194 participants



From face-to-face seminars to virtual meetings and webinars

Knowing fully well that most of the people are now working online and to further strengthen partner relations, IRAD adopted the virtual platform for conducting trainings and meetings with its various stakeholders.

To fulfill the DOST-STII mandate of providing the public easy access to training and seminars, IRAD conducted 16 webinars on library sciences and STARBOOKS in collaboration with its respective institutional partners.

DOST-STII LIBRARY TRAINING AND WEBINAR SERVICES



Print your Ideas: 3D Design and Modelling in partnership with Puzzlebox3D

Resource Speaker: EJ Escanilla
03-05 March 2020
51 participants

Webinar on Free e-Resources for Online Learning in partnership with the National Library of the Philippines

Resource Speakers: Lynderlitta M. Maglaque & Marievic V. Narquita
23 October 2020
552 participants

Introduction to Gender Sensitivity for Librarians

Resource Speaker: Ma. Gichelle A. Cruz
10 November 2020
407 participants



Do You Want to Build an Archive? An Introduction to Core Archival Functions

Resource Speaker: Dr. Iyra S. Buenrostro-Cabbab
10 November 2020
2,247 participants



Improving Library Sciences Using Google Collaborative Tools

Resource Speaker: Maricel C. Paya
10 November 2020
2,247 participants

90.32%
Very Satisfactory or better

5,504 21% 1,176
participants 79% 4,328
MALE
FEMALE

The year 2020 set a milestone for STARBOOKS to continue to flourish despite the challenges brought by the COVID-19 pandemic. Hurdling the year of uncertainty, STARBOOKS managed to record positive growth in the number of sites, broadened partnerships, launched the STARBOOKS Quiz Mobile App and STARBOOKS Online App, and held the STARBOOKS Deployment Officers' Virtual Assembly.

The National Economic Development Authority included STARBOOKS for the fourth time in its National Priority Plan for 2020.

STARBOOKS turns nine

Nine years ago, STARBOOKS started out as a simple undertaking to highlight several DOST programs and knowledge products and to deliver information and scientific researches to the public.

Little did we know that from a small, bootstrap idea, a star was born nine years ago and STARBOOKS continues to grow in numbers and breadth.

On the 24 June 2020 episode of ExpertTalk Online in DOSTv, STARBOOKS celebrated its anniversary and showcased its milestones in the last nine years. This also became an opportunity to take a sneak-peek at its latest partners that helped bring science and technology information more accessible to the public.

Also featured in that episode was the launch of the two mobile apps, the STARBOOKS Quiz and the STARBOOKS Online, that topped the year's bountiful harvest of breakthroughs.

STARBOOKS nine new partners

In its ninth year, STARBOOKS added nine new partners that helped in providing new content, marketing and promotions, deployment activities, and conduct of events.

These partners included the following: TripplesPH, Unilab Foundation, Inc., and CISTEM for the events, marketing, and promotion of STARBOOKS while the Philippine Rice Research Institute of the Department of Agriculture, FlipScience, and Rizal Technological University – Department of Earth and Sciences contributed content to further enhance the library collections.

Moreover, the Department of Education, Lenovo Philippines, and Carl Balita Review Center made possible the STARBOOKS deployment in their respective areas.



STARBOOKS online will be linked to DepED Commons. Memorandum of Agreement signing on 14 February 2020 together with DOST Undersecretary Renato U. Solidum, Director Richard P. Burgos, Department of Education Undersecretary Alain Del Pascua, and Director Abram Abanil.



Virtual launch of STARBOOKS in Carl Balita Learning Center (CBRC) via zoom on June 22, 2020 attended by more than 647 clients of CBRC. STARBOOKS were also installed in other 120 CBRCs nationwide.



Virtual MOA signing with Unilab Foundation Inc., FlipScience, TRipplesPH, and PhilRice of DA via Zoom on 22 June 2020.



MOA signing with Lenovo Philippines on 22 October 2020.



The Department of Earth and Sciences of the Rizal Technological University collaborated with STARBOOKS for a content sharing partnership.



STARBOOKS keeps on rolling

Despite the community quarantine brought about by the pandemic, the STARBOOKS team in the regions continued to render technical services through monitoring and system upgrading; content partnerships; and training clients, beneficiaries, institutions, and other partners.

As of 31 December 2020, a total of 4,962 STARBOOKS sites have been installed nationwide.

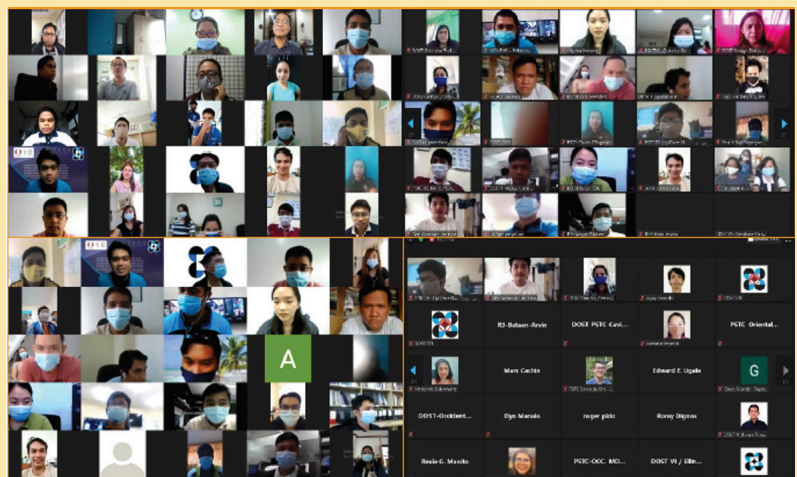


STARBOOKS Deployment on the 2nd District of Marikina.

STARBOOKS Deployment Officers' Assembly

Since 2015, the DOST-STII has regularly held the STARBOOKS Deployment Officers' Assembly. This activity gives the regional partners, an avenue to reach out with fellow partners and exchange experiences and best practices to further improve plans and activities that will enhance the growth of the STARBOOKS network to fully complement projects in the regions.

For this year, the assembly was held virtually for the first time on 18 June and 21 October 2020. Members from the various stakeholders were present during the assembly despite the several logistical challenges and mobilization concerns.



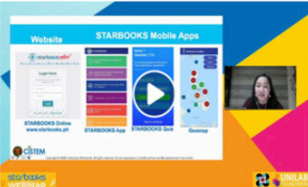
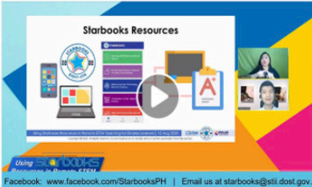

A total of 115 STARBOOKS Deployment Officers from all of the 17 DOST regional offices attended the virtual meeting last 21 October 2020 via Zoom

STARBOOKS webinars for the better normal

To mark its ninth year, the DOST-STII launched a three-part webinar series for science and mathematics teachers from 29 July to 19 August 2020 via live stream at the DOST-STARBOOKS Facebook page. These activities were conducted in partnership with the Unilab Foundation through the Center for Integrated STEM Education, Inc. (CISTEM, Inc.).

The three-day webinar series introduced and guided teachers in developing fundamental learning modules for STEM using STARBOOKS resources for remote teaching in the new normal. The whole webinar series had a total of 6,386 registered participants but reached more than 60,000 individuals.

The STARBOOKS partnered with TRipplesPH as its digital marketing and promotion for the said event.

 <p>Reframing STEM Education for the New Normal</p> <p>Reach: 29,246 Engagement: 7,804 Likes/comments/share: 2,834</p>	 <p>Using STARBOOKS Resources in Remote STEM Teaching for Diverse Learners</p> <p>Reach: 47,105 Engagement: 11,449 Likes/comments/share: 3,230</p>	 <p>Using STARBOOKS Resources in Designing Assessment Activities for Remote Learning</p> <p>Reach: 63,315 Engagement: 15,272 Likes/comments/share: 5,143</p>
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Webinar on “Free eResources for Online Learning”

23 October 2020 | 9AM-12NN

Kindly accomplish these forms to register:
Google Form: <https://forms.gle/8DZSTH-NLP>
Webinar Jam: <https://event.webinarjam.com/register/48/m2z53bv>

Speakers



Lynderlitte M. Maglaque
Supervising Librarian, Research Services, DOST-STII



Marievic V. Narquita
Senior Research Specialist II, DOST-STII



Xenia B. Romero
Regional Librarian
Designated Training Section Head
NLP, NLP

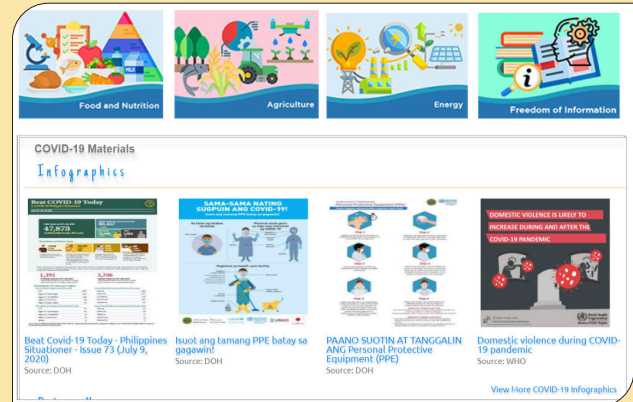
Hosted by: 

On 23 October 2020, a webinar titled “Webinar on Free E-resources for Online Learning” was jointly organized by DOST-STII and the National Library of the Philippines for public librarians and book enthusiasts that showcased STARBOOKS and other products and services offered by the DOST-STII library.

To be more inclusive, STARBOOKS also conducted webinars in different regions.

STARBOOKS at the tip of every student's fingers

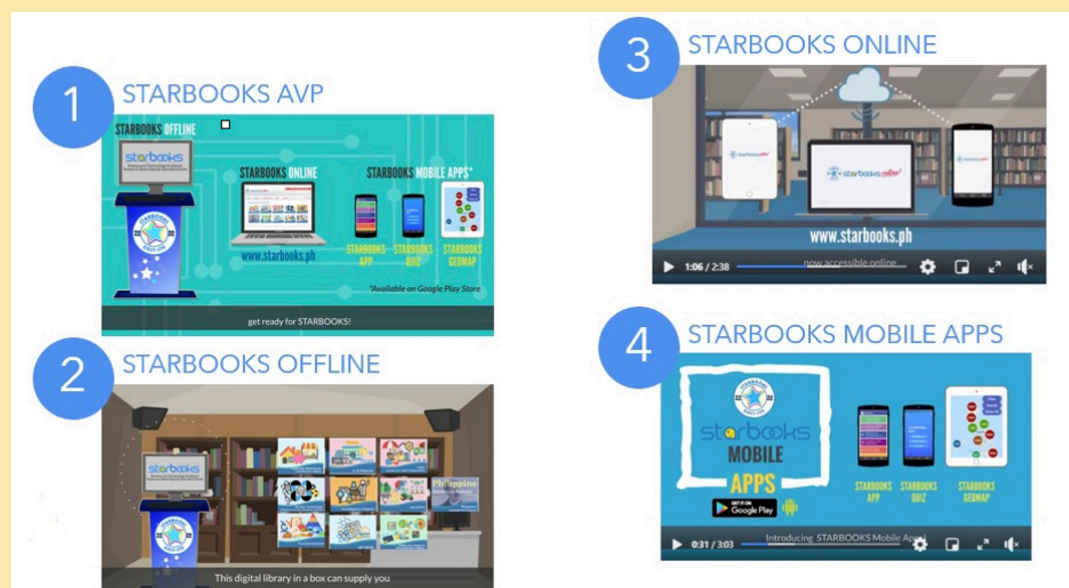
At the onset of the global health emergency, the education landscape was greatly affected as the government tried to implement blended learning such as virtual classes and modular learning. Despite the many limitations in logistics, internet connectivity and availability of gadgets, the education sector pivoted and was able to adjust to distant learning.



Prior to this scenario, DOST-STII already saw the need for online platforms to complement the offline mode of STARBOOKS. Thus, STARBOOKS leveled up not only as an offline resource platform and onsite digital library but is now online and available in various mobile applications to provide information at the tip of a finger.

STARBOOKS informational videos

Finally, to provide simpler, bite-sized information about the STARBOOKS, the DOST-STII produced four informational videos that are lodged on its official Facebook page.





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Chief Science Research Specialist

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PIVOT, PERFORM, EXCEL

Creating relevant STI information at the right time, at the right place



Information creation and sharing has always been at the core of the Communication Resources and Production Division (CRPD) since day one of its existence. To consistently promote science, technology and innovation, which is the main mandate of the Institute, CRPD remained focus on creating and producing relevant STI information using all available platforms, at the right time, at the right place.

When Taal Volcano manifested its fury on 12 January 2020, the CRPD team immediately implemented communication initiatives to keep the public informed of what the DOST, particularly DOST-PHIVOLCS, was doing: writing press releases, creating feature stories for its publications, conducting coverages of press conferences, and creating social media posts.



image source: <http://www.observatory.ph/2020/01/18/taal-volcano-2020-eruption-impact-on-air-quality-part-ii-air-quality-measurements-and-current-plume-conditions/>

In February, CRPD took the lead in promoting the “Big 20 in 2020” campaign initiated by the Office of the Undersecretary for Research and Development. This initiative showcased the top or big 20 technologies, innovations, projects, and programs of the DOST and its various agencies that provide science-based solutions to the pressing problems besetting the country.

In early March, CRPD again took the front seat by spearheading the communication campaign for “Handa Pilipinas” as initiated by DOST-NCR, a project that featured the many initiatives of the DOST in the areas of disaster risk reduction and management,



The Automated Guideway Transit (AGT), developed by engineers from DOST-MIRDC was turned over to the Bataan Peninsula State University to help their academic program in Railway Engineering at the baccalaureate level.



Project ULAT in Dumangas, Iloilo is a Ground Receiving Station (GRS) aims to provide additional capability in communicating with the Philippine microsatellites.

disaster science, emergency response, and climate change adaptation. This involved collaboration of the Institute with almost all of the DOST agencies, councils, and regional offices in creating content in text and videos using multimedia platforms.

CRPD was in high gear then when the COVID-19 pandemic came. When the government implemented the Enhanced Community Quarantine that limited physical movement, the division quickly shifted to maximum overdrive to hurdle the hump. As frontliners don the protective personal equipment or PPE, CRPD took stock of its resources and riding on the momentum of earlier campaigns, it immediately suited up with its own PPE – pivot, perform, and excel – to adapt to the “new normal”.

S&T Promotion Services

Due to restrictions brought about by the pandemic in mid-March, the Content Development and Editorial Section (CDES) of the Communication Resources and Production Division (CRPD) heavily focused on online and social media-based promotions and communications activities of which it generated a total of 7,364,781 engagements and impressions through the official Facebook pages—DOST-Science and Technology Information Institute, DOST-Philippines, Science Journo Ako, and National Science and Technology Week (NSTW).

DOST-STII Press Releases



**One Nation, One Time:
Pilipinas ON Time**

NATIONAL TIME CONSCIOUSNESS WEEK
1-7 JANUARY 2021

DOST RALLIES BEHIND ORAS PINAS, THE NEW FILIPINO TIME

To synchronize all timepieces across the country's more than 7,100 islands, the Department of Science and Technology (DOST) unveiled the new "ORAS PINAS" in compliance to the Philippine Standard Time (PST). Previously dubbed as "Juan Time", the ORAS PINAS campaign aims to promote the PST nationwide and 'sync' timepieces with the PST, the new Filipino Time.

 DOST-Science and Technology
Information Institute

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  @dost_stii

DOST-STII Press Releases



DOST HIGHLIGHTS 2020 PIVOT ON HEALTH EMERGENCY, CONTINUES R&D

The Science Department stepped up amidst the pandemic and its different initiatives have never been much sought after in the larger scale of things. In fact, the DOST, for its part, recalibrated some of its research and development (R&D) programs to give way to more pressing concerns in the country's fight against COVID-19 while continuing other activities, true to its mandate, to address other socio-economic concerns using science, technology, and innovation (STI).

 DOST Science and Technology
Information Institute (STII)

 dost.stii  dost_stii  dost_stii  stii.dost.gov.ph

Social media assets

The total number of posts fell by 22% from 1,220 in 2019 to 951 but social media reach leapt by about 1.54 M from 4,090,274 in 2019 to 5,626,417. The drop may be attributed to the lack of a dedicated social media team for the first three quarters of the year. However, the number of posts swelled during the NSTW celebration held in the fourth quarter, when a full-force social media team was hired in October. Furthermore, three new social media segments were launched this year—"Bilib in Science," DOST Advisory, and "S&T (science and technology) Bakit List."

With the migration of the NSTW celebration to the digital platform amid the COVID-19 pandemic, the social media reach of the NSTW page was amplified that reached 1,189,049 in aggregate for all posts and 326,781 for all webinars. The NSTW social media influencers attracted substantial audience size across various platforms: 995,656 TikTok views, 233,129 Facebook reach, 174,526 YouTube views, 109,133 TikTok likes, 12,698 Facebook engagements, and 410 blog reads. Furthermore, a total of 87 S&T articles and 127 videos were uploaded to the official DOST mobile app.

Social Media Influencers

#ScienceJournoAko
Facebook Live E-Learning Session

Bite-sized Science:
Harnessing the power of
Twitter and Instagram
to create S&T stories

FEEDBACK SESSION
29 May 2020, Friday, 4PM

Resource Speaker:
Ruby Shaira F. Panela
Science Contributor, Rappler

Interpreted by:
Ms. Rhodora B. Doel
Philippine School for the Deaf

#ScienceJournoAko

DEPARTMENT OF SCIENCE AND TECHNOLOGY
SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE

Follow us on: @dost_stii

BILIB IN SCIENCE

Marami ang nagsasabi na nasaan ang mga scientist noong napakaraming basura sa Manila Bay. Kung titignan nila yung mga trabaho ng mga scientist at engineers, marami na ring nagawa na trabaho sa Manila Bay. Scientists like me, we risk our lives and we devote our time in studying Manila Bay so we would know ano'ng pwede nating gawin. Nandoon kami maski noon pa, and nandito parin kami para makatulong.

Dr. Fernando P. Siringan
Professor and the former Director of the Marine Research Institute of the University of the Philippines Diliman

"Quote from Expertalk"
In an interview from DOSTv Expertalk Episode aired October 7, 2020.

#ScienceJournoAko

SCIENCE WRITING
101

TIPS PARA SA MAS EPEKTIBONG INTERVIEW O PANAYAM SA MGA SIYENTIPIKO AT EKSPERTO

Source: DOST-STII Resource Persons

DEPARTMENT OF SCIENCE AND TECHNOLOGY
SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE

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FROM THE ARCHIVES:
#ScienceJournoAko
Seminar Series

INTRODUCTION
TO
SCIENCE COMMUNICATION

FRAMELIA V. ANONAS
Supvg. Science Research Specialist, DOST-PNRI and
former Editor-in-Chief, S&T Post

Stay tuned on 18 June 2020, 2:00 PM at the
Science Journo Ako Facebook Page

DEPARTMENT OF SCIENCE AND TECHNOLOGY
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S&T BAK?!

Bakit ba matagal ang pag-debelop ng bakuna?

Ang bakuna (vaccine) ay isang produktong nagbibigay ng proteksiyon sa katawan laban sa mga mikroorganismo. Ang pag-debelop ng bakuna ay isang prosesong komplikado at mahalagang kinakailangan ng maraming oras at efort para sa mga siyentista at teknikal na eksperto.

Pangato ang potential vaccine na maddelbelop ay time-test sa mga hayop upang malaman kung ito ba ay safe at effective sa mga tao.

Pang-apat to clinical trials kung saan time-test ang mga bakuna na matatagpuan sa hayop sa mga malaking grupo ng mga tao. Sa clinical trials, time-test muna ang potential na bakuna sa maliit na grupo. Kung ito ay magandang pagpapalagan, pagpapalagan ang testing sa mas malaking grupo at sa mga may mataas na risk sa impleyasyon sa publiko.

Pang-lima ay ang pag-aprub sa bakuna para sa pangmalawakang paggamit.

Mahaba at metikulo ang proseso sa pag-debelop ng bakuna.

Una ay ang basic research kung saan itataguri ang genetic sequence ng isang virus, kung ano ang nature nito at paano nito inaatake ang ating katawan.

Pangalawa ay ang pag-debelop na mismo sa bakuna gamit ang iba-ibang estratehiya tulad ng pag-inactivate ng virus, pagpapalagan sa strain ng isang virus, at pagkuha ng isang virus component ng isang virus at gamitin ito sa bakuna.

Ang pagbuo ng isang bakuna ay dumadaan sa mahabang proseso na nangangailangan ng oras at effort mula sa mga siyentista at researchers. Mahalaga na dumaman sa proseso upang masiguro na **safe at epektib** ang isang bakuna.

Few Slots Left! Register now!

#ScienceJournoAko:
Science Bits, Creating Compelling Science News
(E-learning session with Communication Students)

19 November 2020 · 10 AM

SPEAKER:
Mikael Angelo Francisco
Founder of FilipScience

Link to the Zoom meeting room will be emailed to confirmed participants before 19 November 2020.

#SCIENCEJOURNOAKO
DOST-STII

Follow us on: /sciejourn



Virtual learning

Compared to only four in 2019, the number of training events on S&T communication climbed to six using the virtual platform. Mikael Angelo S. Francisco of FlipScience.ph shared his expertise in "Science Blogging in the Time of Pandemic" in April and again in "Science Bits, Creating Compelling Science News" in November, while Rappler contributor Ruby Shaira F. Panela handled "Bite-sized Science: Harnessing the Power of Twitter and Instagram to Create S&T Stories" in May. CRPD personnel joined the foray in "Flip, Clic, Live: The DOST-STII Webinar on Library Services, Mobile Photography, and Live streaming in the New Normal" in August, "Virtual Forum on Science Journalism" in October, and "Communicating Science, Technology, and Innovation in the New Normal" in November. A total of 2,067 students participated in the abovementioned webinars.

Popular Publications

CRPD produced two issues of the quarterly magazine, S&T Post, that chronicled the many accomplishments of the DOST, its agencies, and regional offices in news and feature stories both in text and in images. Because of the pandemic and natural calamities that happened in 2020, the magazine adopted themes that mirrors how science, technology, and innovation played an important role in finding solutions to problems. Thus, the quarterly issues carried the following themes: "Science Resiliency" for the first quarter and "Science Adaptation" for the second quarter. Due to the challenges brought by quarantine restrictions, the third quarter issue with the theme, "Science Bayanihan" is still in the pipeline and expected to be released by the first quarter of the succeeding year.

Despite the pandemic, the division produced 11 issues of the monthly newsletter, the DOST Digest (in English) and Balitang RapiDOST (in Pilipino).

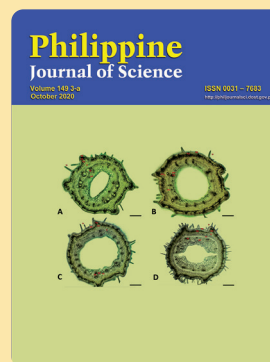


Scientific Journal

Four regular issues of the Philippine Journal of Science (PJS), the oldest scientific journal in the country, were published despite the pandemic. It is noteworthy that the number of peer-reviewed articles published in the PJS went up by 35% from 95 in 2019 to 128 this year. This came about as the total number of received manuscripts rose by 185% (from 186 in 2019 to 345 in 2020) and the average review duration was considerably shortened (from 90.87 days in 2019 to 75.06 days in 2020).



Furthermore, PJS was able to publish online a special issue on nuclear S&T in collaboration with the Philippine Nuclear Research Institute in January plus an adjunct issue in October.



Media Dissemination

The Public Affairs Section (PAS) organized 121 pressers and other media engagements in 2020, a 26% boost from only 96 in 2019, as the institute pivoted to the virtual platform that proved more effective compared to the traditional face-to-face press conference.

By platform, the total number of S&T news stories disseminated fell by 11% for print (from 3,576 in 2019 to 3,174) and 2% for online (from 10,007 in 2019 to 9,773), but major gains were noted for television with 38% increase (from 2,026 in 2019 to 2,803) and radio with 80% leap (from 1,073 in 2019 to 1,931). This year's top three DOST press releases in terms of media pick-ups are on the following: *DOST-SEI stipend release* (eight times), *Low-cost air quality monitor* (six times), and *Virgin coconut oil clinical trials* (four times). Despite the above decline in physical output, the media value generated of S&T news increased by 46.15% from PHP 7.4 billion in 2019 to PHP 11.4 billion.

S&T News Engagement

	2019	2020	Increase/Decrease (percent)
Presser	96	121	
News stories			
print	3,576	3,174	11%↓
online	10,009	9,773	2%↓
television	2,026	2,803	38%↑
radio	1,073	1,931	80%↑

The section also organized three webinars for media practitioners. Atty. Judie Rose T. Dimayuga of the Philippine Commission on Women presided over the “DOST-STII GAD Sensitivity Webinar for Media” in October and the “DOST-STII GAD Sensitivity Webinar for DOST Media Core” in December. Moreover, Kristine Angeli Sabillo of ABS-CBN took handled the “Bite-sized Science Reporting in the Time of Pandemic” in November.

DOSTv: Science for the People

The DOSTv, with its regular Science for the People program, remained unfazed by the lockdown brought about by the COVID-19 pandemic, and in just four days, it was able to pivot from broadcasting in PTV-4 to airing on Facebook and Youtube. The innovative spirit of the DOSTv team emerged as the regular programs were transformed into digital assets; resulting in the production and broadcast of the weekly DOST Report, ExperTalk Online, and Siyensikat.





With the shift in the platform, DOSTv episodes aired declined by 43% from 584 in 2019 to 330 in 2020. Nonetheless, DOSTv pivoted when it launched Expertalk Online in April and the DOST Report with Secretary Fortunato T. de la Peña in May, which ran 36 and 35 episodes, respectively.

In fact, its online audience reach totaled 135,912,987 this year—a 157% surge from just 52,878,041 in 2019. Meanwhile, its organic reach was 42,797,496—a 96% rise from 21,878,041 in 2019. Its five highest-viewed episodes are on the following: *Bantay Taal* (185,703 views; aired on 22 January), *DOST Report on PSHS* (103,095 views; aired on 22 May), *Taal Update* (89,605 views; aired on 17 January), *DOSTv Exclusive with PHIVOLCS* (62,707 views; aired on 15 January), and *DOST Report on Disaster Risk Reduction Innovations* (55,079 views; aired on 03 July).

Despite the pandemic, DOSTv aimed and strived for excellence and won. Again, the DOSTv garnered several recognitions; a total of seven awards and citations this year. The project was certified as a national priority program of the government by the National Economic Development Authority for three years now.

42nd CATHOLIC MASS MEDIA AWARDS

FINALIST

Two DOSTv programs made it to this year's Catholic Mass Media Awards (CMMA).

DOSTv
Science For The People
BEST NEWS MAGAZINE

DOSTv SA RADYO
Science For The People
BEST NEWS PROGRAM

Catch the full telecast of the 42nd CMMA presentation on Saturday, December 19 at 10:00PM via CNN Philippines and Sunday, December 20 at 10:00PM via TV Maria.

DOST Science and Technology Information Institute (STII)

[f dost.stii](https://www.facebook.com/dost.stii) [@dost_stii](https://www.instagram.com/dost_stii) [t dost_stii](https://twitter.com/dost_stii) stii.dost.gov.ph

DOSTv was hailed at the 14th Gandingan ng Kaunlaran Awards as the most development-oriented radio/TV/online platform. A number of its episodes likewise won in various categories: “*Genomics*” (under S&T program), “*SWABE Herbal Tea*” (under livelihood program), and “*Bakery sa Jail*” (under feature story). DOSTv, likewise, grabbed the Gold Anvil Award for the category “public relations program on a sustained basis (environment/S&T),” as well as the Silver Anvil Award for the category “public relations tools (multimedia/digital tools, online video/news/podcast).” At the 42nd Catholic Mass Media Awards, DOSTv: Science For The People and DOSTv sa Radyo-RP1 were named as finalists in the best news magazine and program categories, respectively.

Partnerships

On 30 September 2020, DOST-STII formalized its partnership with Centro Escolar University through a virtual signing of a memorandum of understanding. Under the agreement, both will share their respective resources such as subject matter experts, creative staff, and facilities in producing S&T content with the aim of boosting awareness and appreciation for science, technology, and innovation.

DOSTv forged collaborations with six media partners this year: the Philippine Society of Youth Science Clubs, CBRC.TV, TRipplesPH, Digital Out-Of-Home Philippines, United Neon, and Summit Media.



Knowledge and Inspiration in Science Stories (KISS)

To maximize the use of the visual communication as a potent tool for imparting science, technology, and innovation information, the DOST-STII produced a total of 50 short videos in collaboration with the Technology Application and Promotion Institute called KISS or Knowledge and Inspiration in Science Stories. The short videos captured heartwarming and inspiring stories where science and technology became the instruments of change for a better life. The KISS videos were shown initially during the 33rd founding anniversary of the Institute aptly held on 14 February 2020 and were uploaded thereafter in all its digital media assets.



KISS VIDEOS FROM DOST-STII

Topic	Agency Involved
1 Pangarap (a scholar testimonial in Itbayat, Batanes)	DOST-II/DOST-SEI
2 Laya (ZAMPEN testimonial in San Ramon Prison and Penal Farm)	DOST-IX/DOST-PCAARRD
3 Tren Laban sa Traffic? (featuring Hybrid Electric Train)	DOST-MIRDC
4 Dugong (where do our scholar graduates go?)	DOST-PSHS/DOST-SEI
5 Oil Spill (Chitosan-technology to fight oil spill)	DOST-ITDI
6 SETUP: AJ's Bread and Pastries in Batanes	DOST-II
7 Tubo (New developed variants of Tubo in Negros)	DOST-PCAARRD
8 Dengue Prevention: Mosquito Repellent Clothes	DOST-PTRI
9 Dengue Diagnosis: Biotek-M (early diagnosis of dengue)	DOST-PCHRD
10 Dengue Treatment: Tawa-Tawa Capsule	DOST-PCHRD
11 Prawn in Carcar, Cebu (boost production of prawn farming)	DOST-PCAARRD
12 SETUP: Tawsen Agriventures	DOST-II
13 Forest Products	DOST-FPRDI
14 DOSTv	DOST-STII
15 Newest National Scientist: Dr. Emil Q. Javier	NAST-PHL
16 STARBOOKS	DOST-STII
17 FAME Transponders	DOST-PCIEERD
18 Outstanding Young Scientist: Dr. Patricia Jaranilla-Sanchez	NAST-PHL

19	Acad. Mudjeekewis Santos: Fisheries	NAST-PHL
20	CEST: Flying fish in Batanes	DOST-II
21	Acad. Rex Victor Cruz: Watershed Management	NAT-PHL
22	DIWATA	DOST-PCIEERD
23	TECHNOLOGY: Vigormin	DOST-PCIEERD
24	PERFECT FIT: 3D BODY SCANNER	DOST-PTRI
25	Siquijor Scholar	DOST-SEI

KISS VIDEOS FROM DOST-TAPI

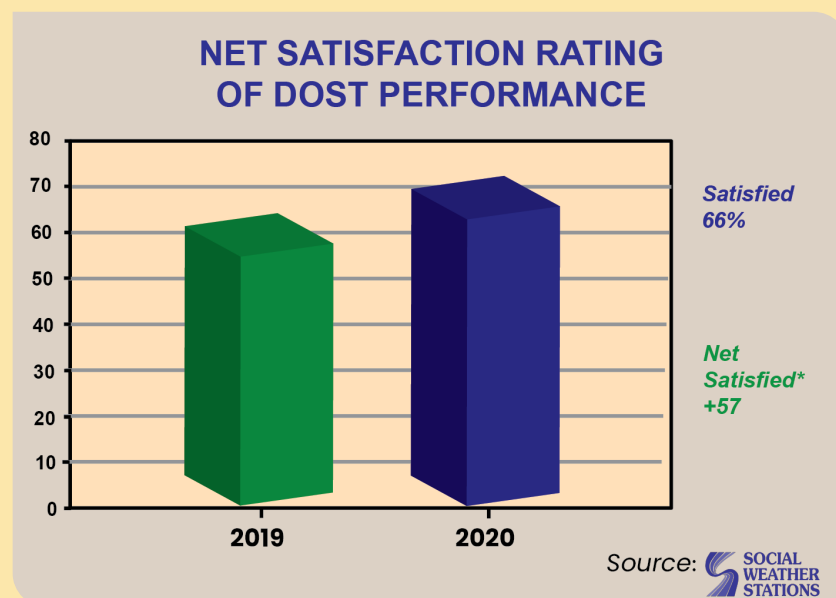
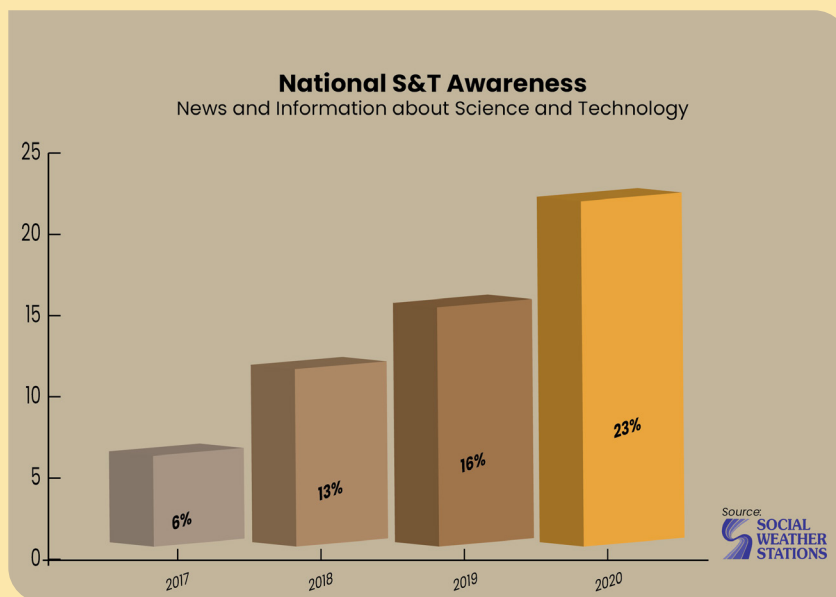
	Topic	Agency Involved
1	FISH-I	DOST - TAPI
2	RTA- Rice Transplanter	DOST - TAPI
3	Mongo Food Blend	DOST - TAPI
4	Rice Mongo Crunchies	DOST - TAPI
5	Rice Seeder	DOST - TAPI
6	Rice Combine Harvester	DOST - TAPI
7	Ready to Cook Complementary Food Blend Powder	DOST - TAPI
8	PEDRO The Philippines Earth Data Resource and Observation	DOST - TAPI
9	PECM – Protein-Enriched Copra Meal	DOST - TAPI
10	OL (Ovicidal Larvicidal) Trap	DOST - TAPI
11	Nipa Sap Sugar	DOST - TAPI
12	Micro Mix Biostimulant	DOST - TAPI
13	Microbial Rennet	DOST - TAPI
14	JOLT Mini and Pro	DOST - TAPI
15	Hybrid Electric Road Train	DOST - TAPI
16	e-HATID LGU	DOST - TAPI
17	Ethnobotanical Dewormer for Chickens	DOST - TAPI
18	Remote Sensing and Data Science	DOST - TAPI
19	Computing and Archiving Research Environment (COARE)	DOST - TAPI
20	Chevon	DOST - TAPI
21	Automated Rain Gauge	DOST - TAPI
22	Automated Guideway Transit	DOST - TAPI
23	ACTICON	DOST - TAPI
24	Smart Surface	DOST - TAPI



S&T Awareness

As per the survey conducted by the Social Weather Station—from a sample size of 1,500 adults from Metro Manila, Luzon, Visayas, and Mindanao—23% have heard, read, or watched some news or information about S&T in the fourth quarter of 2020 as it posted +57 against the +51 in the same period of 2019. (16%). Furthermore, there is an increase of +6 on the Net Satisfaction Rating for DOST for the year 2020 as it posted +57 against the +51 in 2019.

Additionally, 33% were aware of the DOST's research and development programs—primarily on the Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (9%); Grants-in-Aid (7%); and Business Innovation through S&T (6%). On the DOST's household, community, and livelihood programs, 37% were aware—mainly on the Malnutrition Reduction Program (19%), "Pinggang Pinoy" (7%), and the Small Enterprise Technology Upgrading Program (6%). Lastly, 23% of the respondents were aware of the DOST's technologies against COVID-19 such as the bamboo face shield and the re-wearable face mask.

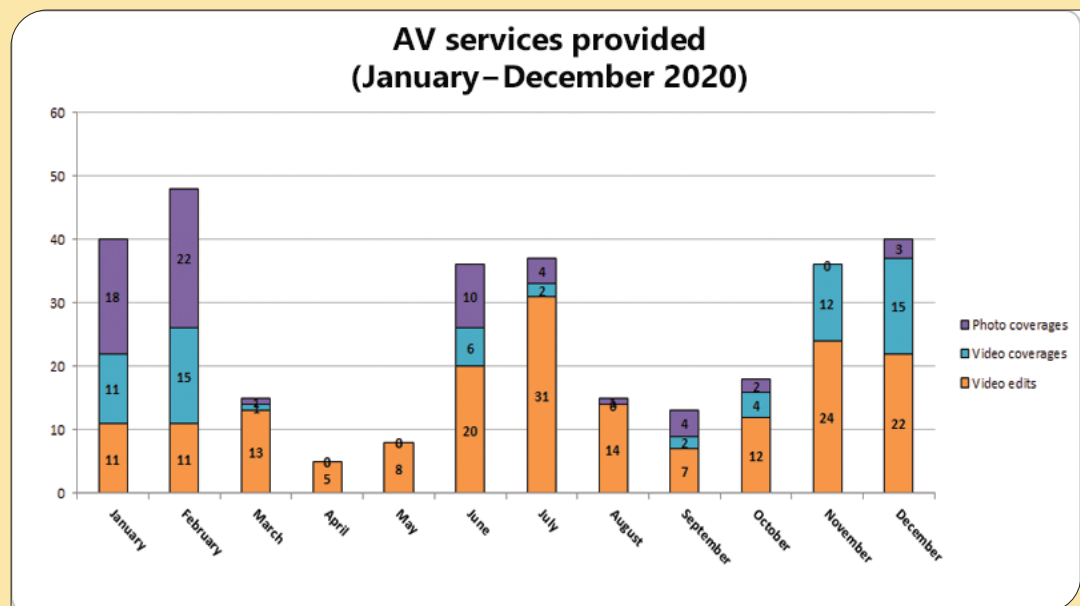


Frontline Services

In 2020, CRPD's Audiovisual Services Section rendered a combined 311 photo and video coverages, video coverages, and video editing services out of 325 requests received from various DOST agencies and offices—placing its overall accomplishment rate at 95.69%. This is quite comparable to the 97% rate achieved in 2019.

The rate for photo coverages was 90.28% this year with 65 accomplished out of 72 requests. For video coverages, value service was 90.67% representing 68 out of 75 requests delivered. Lastly, all 178 video editing requests were fulfilled at a 100% rate.

Furthermore, the Audio-Visual Services Section also provided unrelenting support in terms of providing quality photographs and videos (documentation and AVPs) used for media releases, publications, social media posts, virtual pressers, and other activities by the Content Development and Editorial Section, the Public Affairs Section and the DOSTv in their regular broadcast programs.





Section	Success indicator	Output				Critical factors + other remarks
		CY 2020	CY 2019	Growth	Variance	
CDES	Press and photo releases		275			
	Social media posts (total)	951	1,220	-22%	-269	Peak number of social media posts during the NSTW 2020
	Social media posts (viral)	0	51	-100%	-51	As per the advice of the social media team, we will not include viral posts since it's not measurable and difficult to set its standard. Will include "social media engagements and impressions" instead.
	Social media engagements and impressions	7,364,781				Highest reach for social media in January because of the released content on Taal Volcano eruption.
	Social media reach	5,626,417	4,090,274	38%	+1536143	Highest reach for social media in January because of the released content on Taal Volcano eruption.
	Events and trainings	6	4	50%	+2	In terms of logistics, it is easier to organize a virtual trainings than face to face set-up
	Collaborations and partnerships	1	0	-%	+1	On 30 September 2020, DOST-STII formalized its partnership with CEU through a virtual signing of memorandum of understanding. Under the agreement, both will share their respective resources such as subject matter experts, creative staff, and facilities in producing S&T content with the aim of boosting awareness and appreciation for science, technology, and innovation.

PJS	Peer-reviewed articles	128	95	35%	+33	Increase in total manuscripts received from 186 in CY 2019 to 345 in CY 2020; decrease in average review duration from 90.87 days in CY 2019 to 75.06 days in CY 2020
	Special and adjunct issues	2	1	100%	+1	Publication of Vol. 149 No. S1 (Special Issue on Nuclear S&T) in collaboration with DOST-PNRI, and Vol. 149 No. 3-a (October 2020 Issue)
	Collaborations and partnerships	1	1	0%	0	Publication of Vol. 149 No. S1 (Special Issue on Nuclear S&T) in collaboration with DOST-PNRI

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Thriving in the midst of adversities



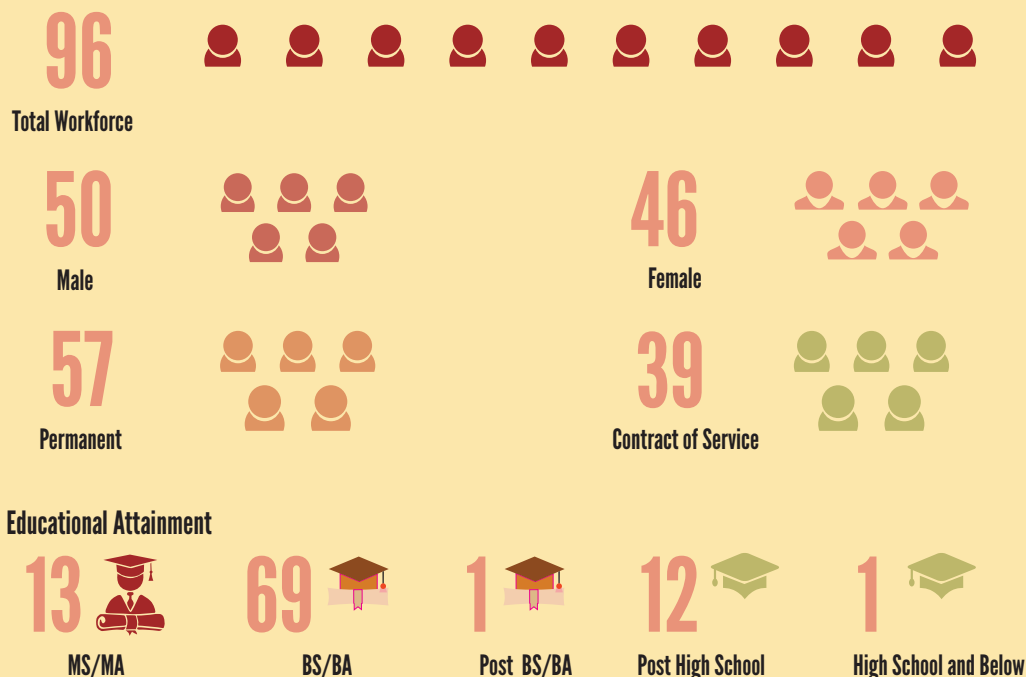


The COVID-19 phenomenon has taken the world by surprise and changed the way we do things. Though we were unprepared for such drastic alteration in how we live, on how we relate to others, and how we conduct our work on a daily basis, DOST-STII, through the Finance and Administrative Division (FAD), was able to ride the tide and took it as an opportunity, not only to continue doing the things we need to do but, to thrive amid adversities.

Relying fervently on the Institute's core values of Integrity, Excellence, Commitment, Innovation, and Collaboration, the Finance and Administrative Division buckled up on day one of the implementation of the Enhance Community Quarantine in March 2020 and shifted to higher gear by recalibrating its internal office policies and procedures to adapt to the IATF directives, instituted mandated health protocols, adopted flexible work arrangements, and judiciously allocated resources to fuel its operation to acceptable limits to continue serving its stakeholders, internally and externally.

Make Size Matter

With the implementation of the modified work arrangement, the Institute was able to maximize its human resource without sacrificing the welfare of its employees. There is a total of 96 in its workforce, 48 of which are female while 52 are male. Of the 96 DOST-STII personnel, 57 are permanent positions while 39 are under contract of service.



The employees were given the choice to select the appropriate work arrangement that will not compromise their health. The work schedule was adjusted to a 4-day workweek, starting from 7:00AM to 6:00PM, Monday to Thursday. Thus, there were four work arrangements implemented: Workforce A (reporting to the office on Monday and Tuesday and Work from Home or WFH on Wednesday and Thursday), Workforce B (reporting to the office on Wednesday and Thursday and WFH on Monday and Tuesday), Workforce C (reporting to the office straight from Monday to Thursday, every other week), Workforce D (WFH from Monday to Thursday due to health co-morbidities, PWD, and senior citizens), and Workforce E (reporting to office regularly from Monday to Thursday every week).

Pivot

Recruitment, Selection, and Placement

Despite restrictions on physical mobility, FAD was able to pivot effectively and delivered its mandate. There were 35 job vacancies filled up in 2020: this includes 19 Permanent Positions and 16 Contract of Service positions. As early as 01 April, DOST-STII started adopting virtual approaches to fulfill its commitment to ensuring the availability of personnel who will perform different jobs. Some of the procedures that were included were oath-taking via Zoom, online examinations and interviews, and the use of online apps to generate applicant's ratings.





Occupational Safety and Health (OSH)

Safety and health protocols have been strictly observed and monitored from the onset of the lockdown to the present. For personal protection, DOST-STII provided facemasks, face shields and personal protective equipment to all its personnel. Also, as part of the COVID-19 response in the workplace, there were temperature scanners, disinfectant mats, and automatic alcohol dispensers installed in strategic locations. A handwashing area and an isolation area were designated to further heighten safety measures. Physical distancing markers and signages of foot traffic are visible on the premises. For the year 2020, NO DOST-STII staff has been tested positive of COVID-19, a result of vigilant efforts and clear communication between management and the employees.

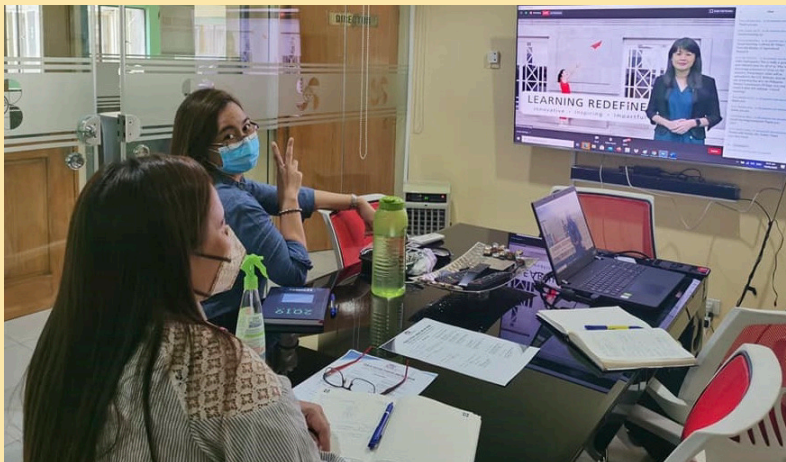


DOST-STII personnel underwent the Occupational Safety and Health seminar in compliance with minimum health protocols.

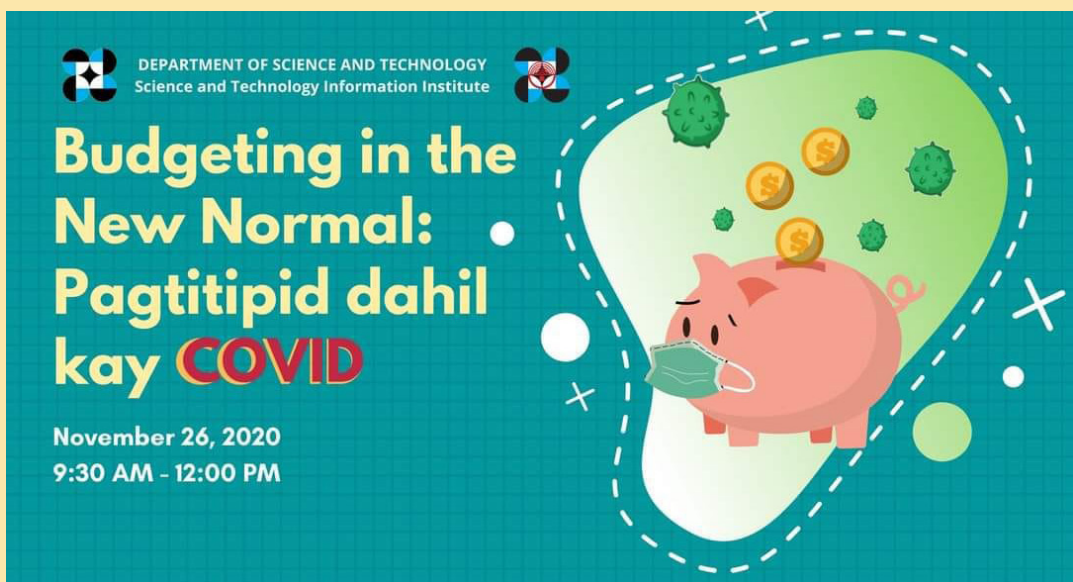
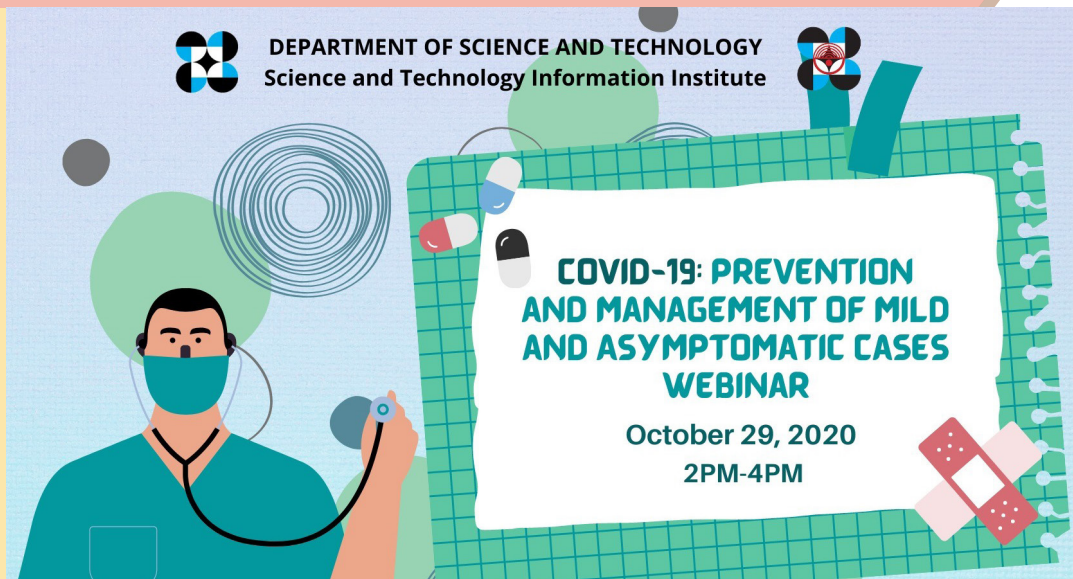


Learning and Development

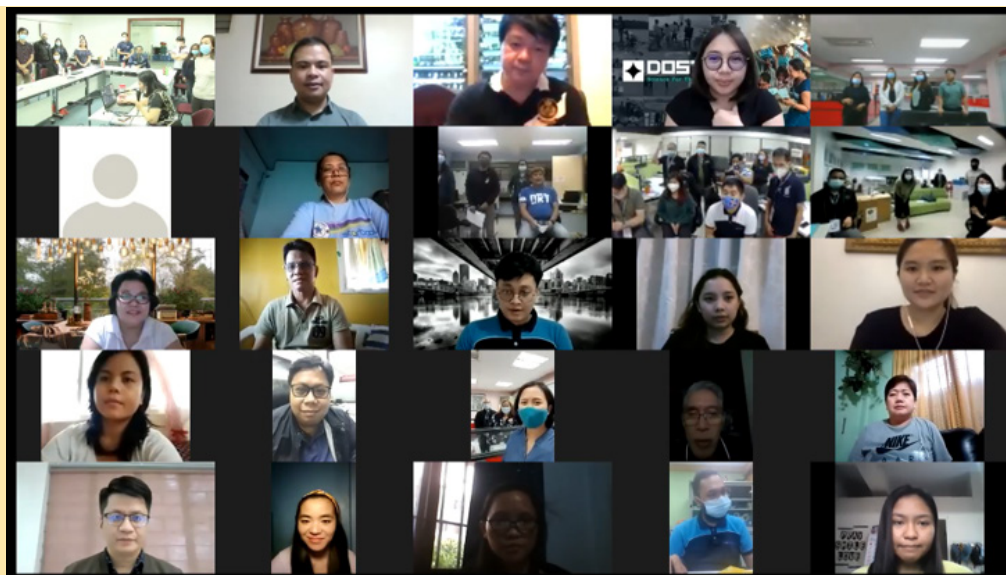
To capacitate and enhance skills and knowledge despite of the lockdown, the DOST-STII, through the Human Resources Section, explored free webinars and e-learning courses that were relevant to the functions of the staff. There were 12 Alternative L&D courses offered to the staff:



- Leadership Through Crisis
- Collaborate Effectively
- Fostering Strength in Time of Adversity
- Present with Purpose
- Drivers for Employees Engagement



- Nifty Facebook Tricks for Trainers and Facilitators
- How to Build Good Relationship with Your Boss
- Designing for Public Good: Design Thinking for the Public Sector
- How to Speak Confidently at Work
- Public Sector Innovation Laboratory
- Work From Home: How to make it efficient, engaging and fun
- In addition, there were five In-house Training Programs conducted to enable the employees to adapt to the “new normal”:



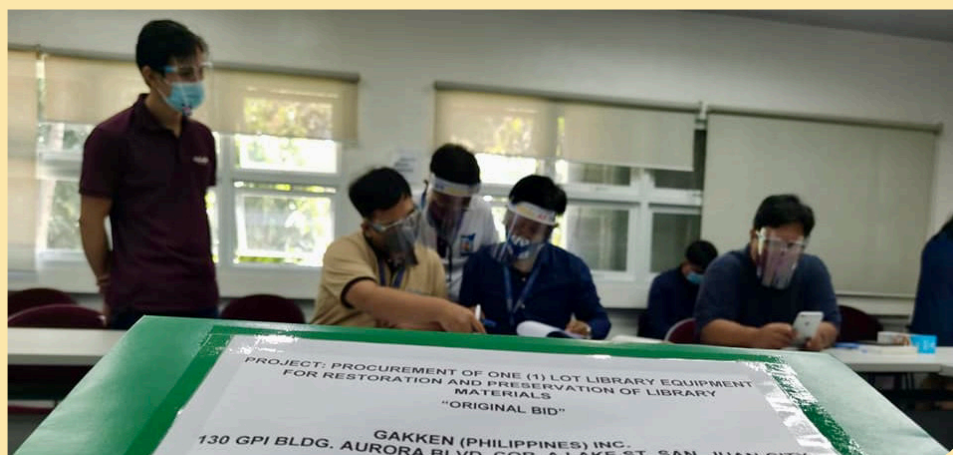
- ISO 9001:2015 Awareness Webinar
- Internal Quality Audit Webinar
- COVID-19 Prevention and Management
- Mandatory Eight-Hour Safety and Health Training for Workers
- Budgeting in the New Normal: Pagtitipid Dahil kay COVID

In all these L&D initiatives 87 out of 96 DOST-STII staff were able to attend, a high 91% participation rate.

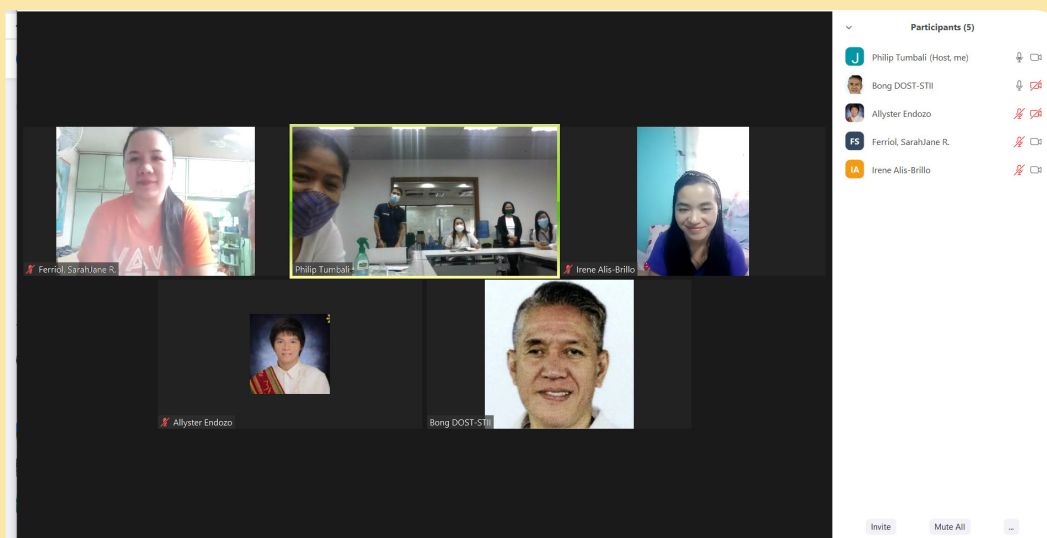
Procurement Management

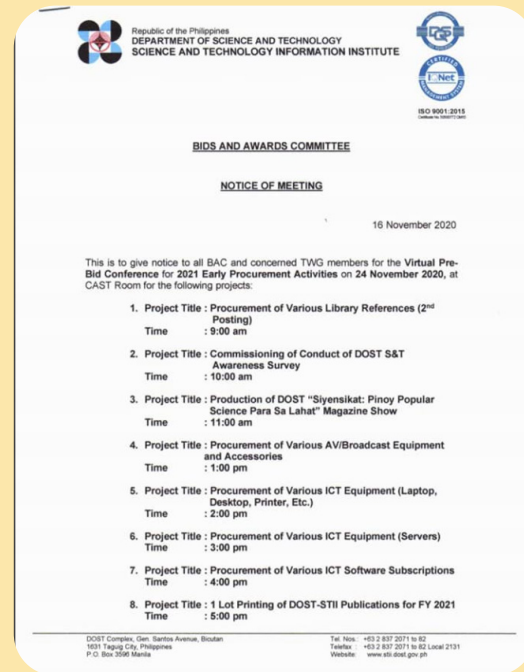
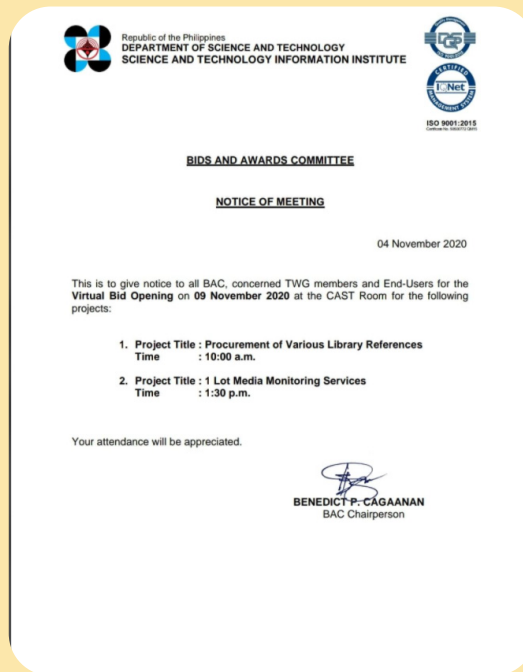
The pandemic did not stop DOST-STII from performing its mandate and delivering services to the public, and with the thrust to enable early procurement of supplies and services, the Institute successfully conducted 10 virtual competitive biddings as follows:

1 Lot procurement of Software Subscriptions and Online Resource Hubs for Digital Transcendence – Capacitating the DOSTv Production Team	P1,634,094
Procurement of Various Library References	P1,000,000



Media Monitoring Services	1,232,000
Commissioning of Conduct of DOST S&T Awareness Survey	1,000,000
Production of DOST "Siyensikat: Pinoy Popular Science para sa Lahat" Magazine Show	7,280,000
Procurement of Various AV Equipment and Accessories	3,754,065
Procurement of Various ICT Equipment	3,212,086





Procurement of DOST-STII Servers	2,955,195
Procurement of ICT Software subscription	1,240,000
Procurement of Various STII Publications	2,992,000
Total	26,299,440

Perform

Heeding the call for austerity in light of the ongoing pandemic, the DOST-STII adhered to the Compliance to National Budget Circular No. 580 by allocating the mandatory 5% savings equivalent to P5,455,000.00 of its total annual budget of P101,245,000.00 for the government's COVID-19 response.

Despite the budget reduction, DOST-STII was still able to perform its mandate, accomplish its commitment for 2020, and provide COVID-19 response in the workplace.

Further, the monthly salaries and benefits of employees were paid on time.

Excel

Because of prudent fiscal management and financial planning, the DOST-STII exceeded its 2020 targets and met its commitments as follows:

Obligation Rate at 94% or P90.073M obligations incurred over P95.491M allotment received, exceeding the 90% set target for 2020.

Disbursement Rate at 96% or P86.563M disbursements over P90.073M obligations incurred, exceeding the 85% set target for 2020.

Fully implemented 12 out of 19 AOMs or 63% exceeding the 30% AOM/NDs settlement target as part of PBB requirement.



Republic of the Philippines
COMMISSION ON AUDIT
Commonwealth Ave., Quezon City

ANNUAL AUDIT REPORT

on the

SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE

For the Year Ended December 31, 2019

DOST-STII received the highest and the best rating a government agency can be accorded by the Commission on Audit for fiscal year 2019.

DOST-STII successfully maintained the existing ISO 9001:2015 certification on its 2nd surveillance [remote] audit conducted on 26 October 2020 with No Nonconformities identified, with two strengths that exceeded the requirements to meet the standard.





Arlene E. Centeno
Chief Administrative Officer

FINANCE AND ADMINISTRATIVE DIVISION

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Accountant III, Section Head

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Administrative Officer IV

Hannah T. Barrientos

Administrative Aide I

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Administrative Officer II

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Administrative Officer IV

Riza C. Francia

Administrative Officer I

Romulo S. Rodriguez

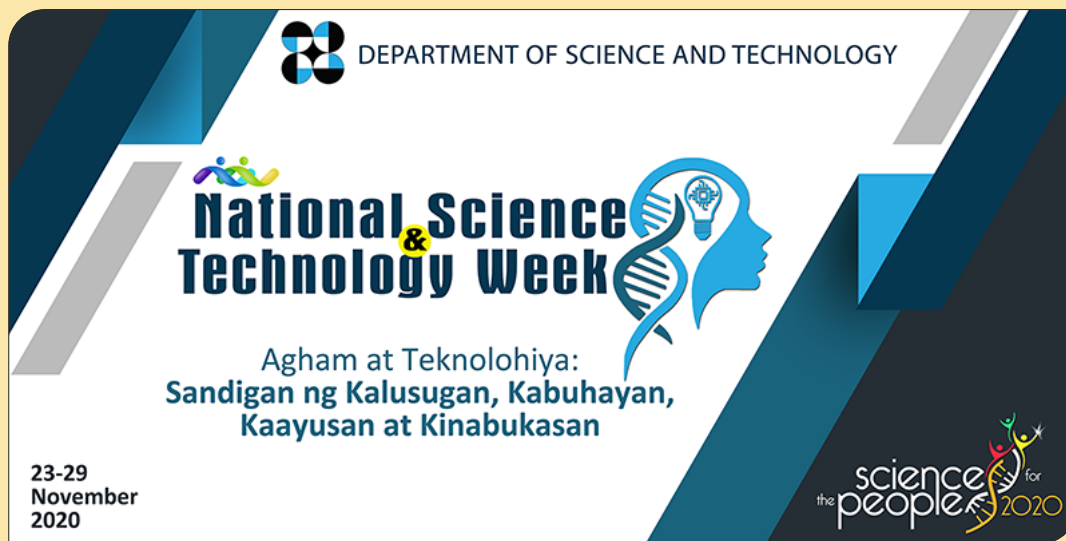
Administrative Aide IV

Jaime V. Reyes

Administrative Aide IV

Ma. Rachel Diana S. Mesias

Administrative Aide I



First Virtual 2020 National Science and Technology Week

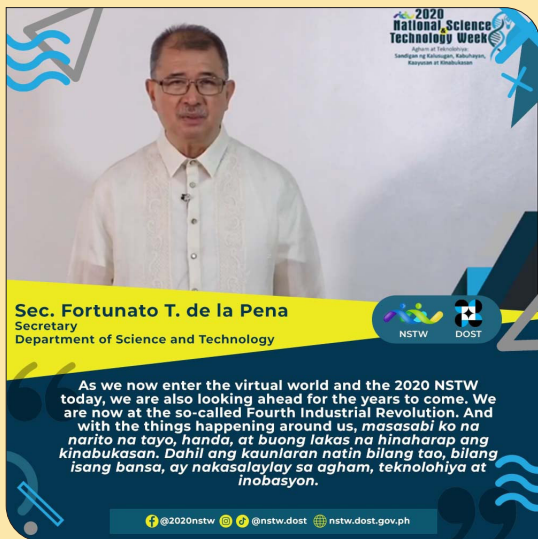
Capping off the year was a first for the 2020 National Science and Technology Week (NSTW) celebration as it went virtual because of the quarantine restrictions due to the COVID-19 pandemic.

Due to the challenges of the situation, technology played a big role in enabling the Department of Science and Technology to hold the NSTW in a digital platform. It resulted in a wider reach compared to previous years and it offered a new viewing experience with interactive exhibits and webinars that were made available at the convenience of everyone's home or office.

Also, for the first time, the NSTW was celebrated from 23-29 November when it was moved from the third week of July to the fourth week of November every year under Presidential Proclamation 780.

Anchored on the theme, "Agham at Teknolohiya: Sandigan ng Kalusugan, Kaayusan, Kabuhayan at Kinabukasan", the celebration once more showcased the various initiatives of the DOST and of the scientific community in the areas of research and development, practical technologies, agricultural innovations, industry development, health and nutrition, technical services, training, and assistance to entrepreneurs despite the pandemic. This time it was held virtually.

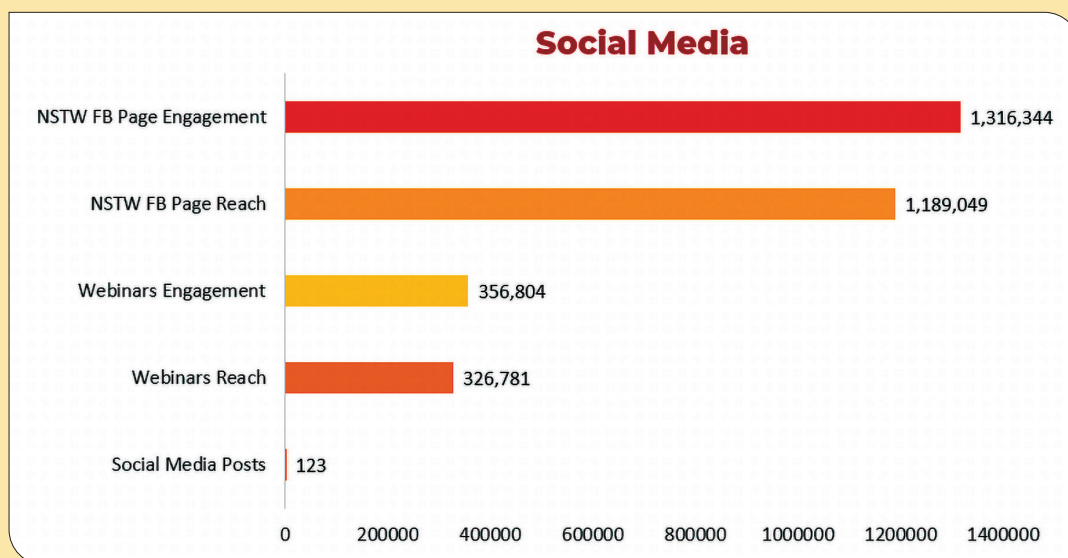




The Science and Technology Information Institute (DOST-STII) once more spearheaded the publicity and promotion of all the NSTW virtual exhibits, webinars, and forums. The institute focused its resources on developing social media promotional content, organized and/or assisted in the conduct of virtual pressers, and optimized the use of digital platforms like the DOSTv, NSTW websites, and Facebook pages.

From Tiktok to Youtube, the NSTW publicity and promotions efforts went on a roll, capitalizing on the novelty of new media. Much of the buzz created

was on teaser videos of social media influencers like Doc Adam Smith, Teacher Lyqa Maravilla, Ash Presto, Science Kwela, Nikka Gaddi, Seph Scientist, and Alley Alcantara. The posts created much hype as they were presented in a very entertaining way; colorful, funny, animated, yet very informative.



The DOST-STII attributed the success of its promotional campaign that appealed to all age groups, particularly to the millennials, to its relevant and valuable content as shown in the number of reach, engagements, and views of various social media posts.

NSTW Influencer Posts	
Total Reach	
FACEBOOK REACH	233,129
FACEBOOK ENGAGEMENTS	12,698
TIKTOK VIEWS	995,656
TIKTOK LIKES	109,133
YOUTUBE VIEWS	174,526
BLOG Reads	410

Other Promotional Activities	
Produced Press Releases (from September 17- December 09)	31
	4 DOSTv Special Episodes
Episodes of TechTalk broadcast in Quarantalk Media channel via Facebook and YouTube	7
	2 NSTW Teasers
NSTW articles uploaded in the NSTW website	20
	23 NSTW articles published in S&T Post (4th Quarter issue)
NSTW articles published in Digest and RapiDOST (October and November) Memorandum from Department of Education	16
	65 Arranged Radio and TV interviews (From October to December)
NSTW contents uploaded in the DOST App (25 articles and 6 videos)	31



HOSTED BY:
GEL MIRANDA



DOSTV
Science For The People

9:30AM | MON TO FRI

WWW.DOSTV.PH
@DOSTVPH





11AM | SATURDAYS



**DOSTV
SA RADYO**
Science For The People





HOSTED BY:
DOST SECRETARY FORTUNATO T. DE LA PEÑA

SIYENSIKAT
PINOY POPULAR SCIENCE PARA SA LAHAT

GMA
NEWS TV

4:00PM | SUNDAYS















Gender and Development

The year 2020, despite the challenges of the pandemic, marked the reaping of gains sowed in the previous year for the Institute. Once again, the Institute was able to pivot and managed to develop and submit another GAD Plan and Budget, and obtained another endorsement, its second, so far, for the 2021 GPB submitted in 2020. The Institute conducted the 2021 GAD Plan and Budget Workshop from 03-05 November 2020.

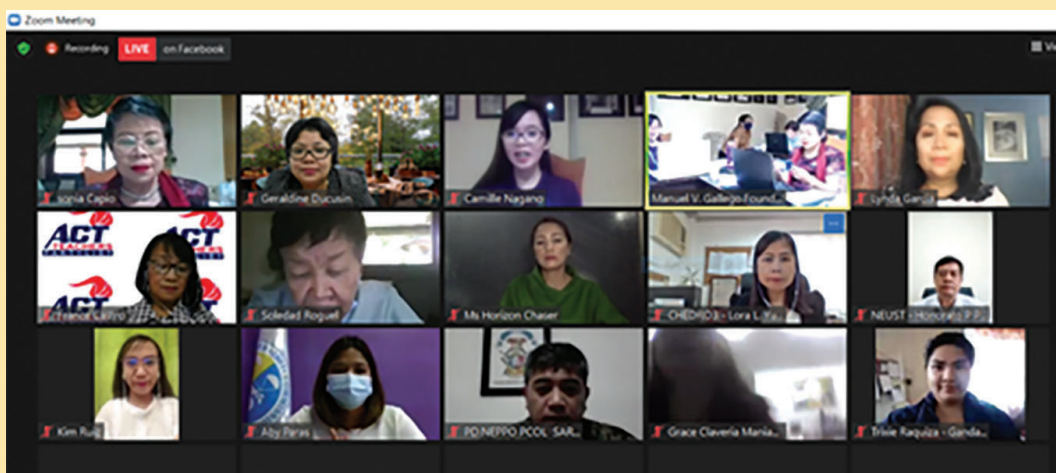


The DOST-STII was commended by DOST for its GAD mainstreaming efforts, placing 5th among the DOST agencies.

To enhance awareness of GAD concepts to its stakeholders, the Institute conducted two webinars for the DOST Mediacore on 3, 4 and 10 December 2020 and for external media partners on 15, 16 and 22 October 2020.

DOST-STII capitalized on this momentum and aimed for excellence. The Institute was shortlisted and landed 5th place among the 10 contenders for the DOST-GAD Mainstreaming Awards for the promotion of gender equality and women empowerment within the agency and its clientele.

Furthermore, DOST-STII was invited as panelist/speaker to the Roundtable Discussion to End Sexual Harassment and Gender-Based Violence conducted by the Manuel V. Gallego Foundation Colleges, Inc. held on 16 November 2020. It has also laid the groundwork for the succeeding GAD mainstreaming by holding a GAD Agenda orientation at the end of the year.



DOST-STII was invited as one of the panelists in the MVGallego Foundation College, Inc Roundtable Discussion to End Sexual Harassment and Gender-Based Violence.

2020 YEAR-END PROGRAM



Hall of Fame

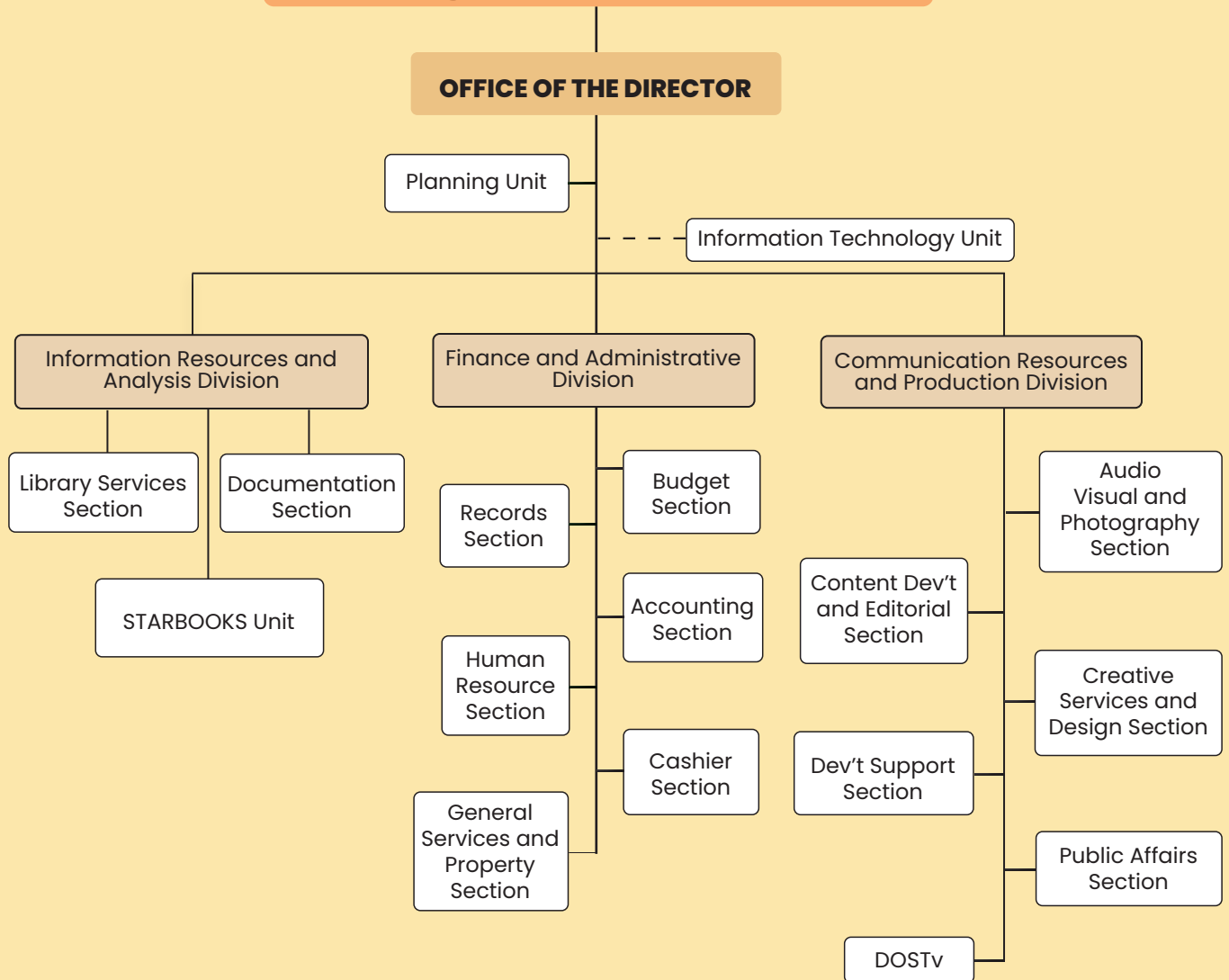


Ms. Arlene E. Centeno, FAD Chief, received the Hall of Fame Award which was given for her outstanding performance as manager for three consecutive years.



Officials and employees of the Department of Science and Technology-Science and Technology Information Institute (DOST-STII) came together virtually to celebrate its year-end accomplishments on 23 December 2020 with virtual games, group presentations and a special tribute to the Institute's longtime driver, Romulo P. Rodriguez. Gracing the occasion were DOST Secretary Fortunato T. de la Peña and Undersecretary for Scientific and Technical Services Dr. Renato U. Solidum Jr.

Organizational Chart





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ALAN C. TAULE
ARLENE E. CENTENO
NORLY B. VILLAR

PIVOT, PERFORM, EXCEL

PRODUCTION TEAM

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Arlene E. Centeno
Alan C. Taule
Norly B. Villar

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SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE