

2022

ACCOMPLISHMENT REPORT

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



PANGASINAN STATE UNIVERSITY



SDG 9 ACCOMPLISHMENT REPORT

Research Outputs and Community Extension Projects

	Title	Author	Year	LINK
Scopus	A Comprehensive Analysis in Investigating the Impact of Big Data Analytics in Wireless Networks in Failure Prediction, Prevention and Recovery	Surya S.; Rajasekaran P.; Yuriy S.; Johar S.S.; Tripathi A.; Magno Ventayen R.J.	2022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135443804&doi=10.1109%2fCACITE53722.2022.9823870&partnerID=40&md5=1b0f324e463e453f483b665f7e4b24f4
Scopus	Role of cloud computing and its impact on consumer behavior in financial sector	Vemula D.H.L.; Khichi T.; Murugesan G.; Valderrama-Plasencia L.; Salazar-Gonzales M.; Ventayen R.J.M.	2022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127296992&doi=10.1016%2fj.matpr.2021.11.146&partnerID=40&md5=aaf4d10e9e7ef778b9842f092493bc8e
Scopus	The Recent Advancements of Radio Frequency Machine Learning (RFML) Approaches in Enhancing Wireless Security Using Multi Regression Analysis Approach (MRAA)	Khan Z.Z.; Dhinakaran M.; Deepthi P.; Johar S.S.; Ventayen R.J.M.; Kalpana R.	2022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135465246&doi=10.1109%2fCACITE53722.2022.9823548&partnerID=40&md5=b5629aaa32d88ceaf605e3a9702f0f7e



Scopus	A Comprehensive Review on the Application of 3D Printing in the Aerospace Industry	Martinez D.W.; Espino M.; Cascolan H.M.; Crisostomo J.L.; Dizon J.R.	2022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126800720&doi=10.4028%2fp-94a9zb&partnerID=40&md5=3d9a306d51f22f2c6c012eae0856b573
Scopus	3D Printing Technology and Materials for Automotive Application: A Mini-Review	Tuazon B.J.; Custodio N.A.V.; Basuel R.B.; Reyes L.A.D.; Dizon J.R.C.	2022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126786180&doi=10.4028%2fp-26o076&partnerID=40&md5=9fc3bdeb22180e6a0667b2782b81ef2d
Scopus	Intelligent Fake Node Identification on Wireless Sensor Network to Avoid Security Threats using Enhanced AODV Protocol	Rapaka G.K.; Pasupulla A.P.; Gupta R.K.; Firos A.; Ventayen R.J.M.; Yadav R.	2022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132981217&doi=10.1063%2f5.0089611&partnerID=40&md5=59616f3023168625c835b5e456036a0d

Relevant Activities and Programs

- ✓ [Solid Freeform Fabrication Research Laboratory \(SoFFReL\)](#)
- ✓ [PSU Library personnel undergo digitalization and system training](#)
- ✓ [PSU's Infrastructure Projects](#)
- ✓ [Advancing the Moringa Industry: Strengthening the Organic Moringa Stakeholders Network in Pangasinan through Participatory Research, Production, and Extension](#)
- ✓ [Mapping and Distribution of Salt Producers, Traders and Importers inPangasinan.](#)



- ✓ [PSU-Bayambang and SHELFLEX Food Products Elevate Buro to New Heights](#)
- ✓ [PSU FABLAB: A Nexus of Innovation and Economic Growth](#)
- ✓ [PSU Empowers STEM Education with 336 Dedicated Faculty Across Campuses](#)
- ✓ [Faculty Craft Excellence in Arts, Humanities, and Social Sciences](#)
- ✓ [PSU Nurtures Minds with 924 Strong Teaching and Non-Teaching Staff](#)
- ✓ [PSU Cultivates Medical Aspirations with 19 Faculty Members](#)
- ✓ [NEWS | SSF FabLab worth 13.8 million pesos launches at PSU-UC](#)
- ✓ [NEWS | 2 PSU-UCC IT students earn medals at 11th IT Skills Olympics](#)
- ✓ [NEWS | ACES holds CE Fair](#)
- ✓ [NEWS FEATURE | UAPSA-PSU celebrates National Architecture Week](#)
- ✓ [NEWS FEATURE | UAPSA-PSU celebrates National Architecture Week](#)
- ✓ [PSU Mushroom RD&E](#)
- ✓ [**PSU Sta. Maria dedicates newly renovated and constructed buildings**](#)

Policies and Guidelines

- ✓ [PSU FABLAB ADMATIC Operational Manual](#)