



Office of Research Services

CERTIFICATION

Based on our records, we hereby certify that **Renato R. Maaliw III** is an active researcher at the Southern Luzon State University. Found below are some of the research undertakings of the same while affiliated with the University in the last three years:

Research Title	Status	Year Completed	Remarks
1. "Adaptive Virtual Learning Environment based on Learning Styles for Personalizing E-learning System: Design and Implementation"	Published	2020	Solo author, IJRTE
2. "Early Prediction of Electronics Engineering Licensure Examination Performance using Random Forest"	Presented & Published	2021	Solo author Best Paper in 2021 IEEE World AllOT (Seattle, Washington, USA and virtual) Published in IEEE & Scopus-Indexed
3. "Utilization of Different Wireless Technologies RSSI for Indoor Environment Classification Using Support Vector Machine"	Presented & Published	2021	Co-author Presented in 2021 IEEE ICSGRC (Shah Alam, Malaysia and virtual) Published in IEEE & Scopus-Indexed
4. "Time-Series Forecasting of COVID-19 Cases Using Stacked Long Short-Term Memory Networks"	Presented & Published	2021	Lead Author Best Paper in 2021 IEEE 3ICT (Zallaq, Bahrain and virtual) Published in IEEE & Scopus-Indexed
5. "An Ensemble Machine Learning Approach for Time Series Forecasting of COVID-19 Cases"	Presented & Published	2021	Lead Author Best Paper in 2021 IEEE IEMCON



Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
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Office of Research Services

			(Vancouver, Canada and virtual) Published in IEEE & Scopus-Indexed
6. "A Circuit Design of a Sensor Amplifier for Improving Blood Pressure Measurement in Telehealth System"	Presented & Published	2021	Co-author Presented in 2021 IEEE IEMCON (Vancouver, Canada and virtual) Published in IEEE & Scopus-Indexed
7. "A Personalized Virtual Learning Environment Using Multiple Modeling Techniques"	Presented & Published	2021	Solo Author Best Paper in 2021 IEEE UEMCON (New York, USA and virtual) Published in IEEE & Scopus-Indexed
8. "Employability Prediction of Engineering Graduates Using Ensemble Classification Modeling"	Presented & Published	2022	Lead Author Presented in 2022 IEEE CCWC (Las Vegas, USA and virtual) Published in IEEE & Scopus-Indexed
9. "Web-Based Performance Evaluation System Platform Using Rule-Based Algorithm"	Presented (Publication on-going)	2022	Co-author Presented in 2022 IEEE ICIET (Matsue, Japan and virtual) (Publication to IEEE on-going)
10. "Analysis of Exponential Smoothing Forecasting Model of Medical Cases for Resource Allocation Recommender System"	Presented (Publication on-going)	2022	Co-author Presented in 2022 IEEE ICIET (Matsue, Japan and virtual)
11. "An Efficient Safety and Authorized Helmet Detection using Deep Learning Approach"	Presented	2022	Co-author
12. "Deep Learning Technique Detection for Cotton and Leaf	Presented	2022	Co-author



Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
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Office of Research Services

Classification”	(Publication on-going)		Presented in 2022 IEEE SIST (Nur-Sultan, Kazakhstan and virtual) (Publication to IEEE on-going)
13. “A Deep Learning Approach for Automatic Scoliosis Cobb Angle Identification”	Accepted for Presentation	2022	Lead Author For Presentation in 2022 IEEE AIOT (Seattle, Washington, USA and virtual) (Publication to IEEE, if presented)
14. “Clustering and Classification Models for Student’s Grit Detection in E-Learning”	Accepted for Presentation	2022	Lead Author For Presentation in 2022 IEEE AIOT (Seattle, Washington, USA and virtual) (Publication to IEEE, if presented)
15. “Salted Egg Cleaning and Grading System Using Machine Vision”	Accepted for Presentation	2022	Co-author For Presentation in 2022 IEEE AIOT (Seattle, Washington, USA and virtual) (Publication to IEEE, if presented)
16. “SHAPE-MO (Self-Health Assessment for Pregnant or Expectant Mother) Mobile Application”	Proposal	2022	Co-author Institutional Research

This certification is issued on the 25th day of May 2022 for whatever legal purpose it may serve best.



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Certified true and correct:

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NICANOR L. GUINTO, Ph.D.
Director, Office of Research Services

myrual
MARISSA C. ESPERAL, Ph.D.
Vice President for Research, Extension,
Production, Development, & Innovation

[Signature]
DORACIE B. ZOLETA-NANTES, Ph.D.
University President