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| **CURRICULUM VITAE 2024**  **Prachyanun Nilsook, Ph.D. Professor  Division of Information and Communication Technology for Education Faculty of Technical Education King Mongkut's University of Technology North Bangkok (KMUTNB)** | **prachyanun2562_3** |

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Homepage : <http://www.prachyanun.com/en>

**EDUCATION :**

1975 : Grade 4 , or Prathom suksa 4  Anuban Phetchburi  School.  
1977 : Grade 6 , or Prathom suksa 6  Wat Kanlek School  
1981 : Grade 9 , or Muttayom suksa 3 Prommanusorn Phetchburi School.  
1984 : Vocational Certificate in Electronic , Phetchburi  Technical  College  
1986 : High Vocational Certificate in Electronic , Patumwan Institute of Technology, Bangkok.  
1989 : B.Ed. Audio-Visual Education , Ramkhamhang University , Bangkok.  
1995 : M.Ed. Educational Technology , Srinakarinwirot University  Prasarnmitra  ,Bangkok  
2001 : Ph.D.  Educational  Communications and  Technology,  Chulalongkorn University, Bangkok.

**EMPLOYMENT:**

1986 Technician , Ramkhamhang University ,Bangna Campus

1988 Instructor, Electronic Department , Samutsongkhram Technical College, Samutsongkhram Province

1994 Chief officer of Instructional Media , Samutsongkhram Technical College

1998 Dean, Faculty of Technical Education , Samutsongkhram Technical College

2001 Head of Internet Center , Samutsongkhram Technical College

2002 Head of ICT Center, Samutsongkhram Technical College

2004 Dean, Faculty of Information and Communication Technology,

Samutsongkhram Technical College

2006 Lecturer , Department of Technological Education  
Faculty of Technical Education  
King Mongkut's University of Technology North Bangkok (KMUTNB)

2008 Head of Vocational Education Technology Research Center  
 Science and Technology Research Institute  
 King Mongkut's University of Technology North Bangkok (KMUTNB)

2016 Head of Technological Education Department

Faculty of Technical Education  
 King Mongkut's University of Technology North Bangkok (KMUTNB)

2020 Coordinator of Information and Communication Technology for Education  
Department of Education Technology and Information

Faculty of Technical Education

King Mongkut's University of Technology North Bangkok (KMUTNB)

**OTHER PROFESSIONAL EXPERIENCE:**

Lecturer M.Ed., Ph.D. Program in Technical Education Technology , Department of Technological Education., Faculty of Technical Education (KMUTNB) (2007-present)  
Lecturer Ph.D. Program in Electrical Engineering Education , Department of Teacher Training in Electrical., Faculty of Technical Education (KMUTNB) (2010-present)  
Lecturer Ph.D. Program in Information and Communication Technology for Education. ,Division of Information and Communication Technology for Education, Faculty of Technical Education. (KMUTNB) (2011-present)  
Guest Lecturer ,MBA., M.Ed., Muban Chombung Rajabhat University (2002-2011)  
Guest Lecturer ,M.A Program in Information Science, Burapha University (2004-2011)   
Guest Lecturer ,M.Ed. Program in Educational Administration , Curriculum and Instruction , Bangkokthonburi University (2009-2011)   
Guest Lecturer ,Ph.D. Program in Technology Management, Petchburi Rajabhat University (2008-2012)  
Guest Lecturer ,Ph.D. Program in Innovation and Technology Management, Bansomdejchaopraya Rajabhat University Band (2010-2012)  
Guest Lecturer ,Ph.D Program in Management, Christian University of Thailand (2006-2011)  
Guest Lecturer M.Sc.Mass Communication Technology, Rachamungkala University of Technology Thanyaburi (2014)  
Guest Lecturer M.Ed. Educational Administration, Thonburi University (2016-2023)  
Member of Academic Council, Muban Chombung Rajabhat University (2010-2012)  
Member of Academic Council, Phetchburi Rajabhat University (2011-2012)  
Member of Academic Council, Rachamungkala University of Technology Rattanakkosin (RUTR) (2011-2014,2015-2018, 2019-2023)  
Member of Academic Council, Nakhon Si Thammarat Rajabhat University (2015-2017),(2018-2020)  
Member of University Council, Thonburi University (2013-2016, 2017-2023)   
Member of Academic Council, Chandrakasem Rajabhat University (2018-2022)

Member of Academic Council, Rajamangala University of Technology Suvarnabhumi.

(2018-2024)

Member of University Council, Nakhon Si Thammarat Rajabhat University (2020-2023)  
Member of University Council, Bangkok Suvarnabhumi University (2023-2025)

Member of University Council, Chandrakasem Rajabhat University (2023-2026)

Member of Academic Council, Songkhla Rajabhat University (2023-2025)

Member of Academic Council, Burapha University (2023-2025)

Member of Academic Council, Nakhon Ratchasima Rajabhat University (2023-2025)

**HONORS and AWARDS**

1. Outstanding Teacher Award of the Year 1995 in Samutsongkhram Province

Samutsongkhram Teacher Council.

1. Creative Teacher Award of the Year 1996.  
    National Teacher Council, Ministry of Education.
2. Outstanding Teacher Award of the Year 2004.

The Office of Vocational Education Commission, Ministry of Education

1. National Teachers Award of the Year in Higher Education 2004.

National Teacher Council, Ministry of Education

1. Father Award of the Year 2007-2008, Wat Parknum School.
2. Assistance Professor (Honorable) from Burapha University. 2007.
3. Assistance Professor, King Mongkut’s University of Technology North

Bangkok

1. Associate Professor, King Mongkut’s University of Technology North

Bangkok.

1. Visiting Researcher, Edith Cowan University, Mt Lawley ,WA Australia

2012-2013

1. President of Thai Association for Educational Communication and

Technology (Thai AECT)

2020 Professor, King Mongkut’s University of Technology North Bangkok.

2020 Outstanding Alumni, Ramkhamhang University.

2020 Outstanding Thesis Advisor, Graduate Collage, King Mongkut's University of

Technology North Bangkok

2021 Alumni Award of honor (Lifetime Achievement Award)

from the Faculty of Education, Chulalongkorn University, Bangkok, Thailand

1. Honorary Doctor of Education in Computer Education, Phranakhon Rajabhat

University, Thailand.

2022 Outstanding Alumin, Faculty of Education , Srinakharinwirot University

2023 Outstanding Alumin, Srinakharinwirot University

2024 Outstanding Researcher Award (Social science), King Mongkut’s University of Technology North Bangkok.

**Research Interested** :

e-Learning, e-Training, e-Education ,e-Agriculture , Knowledge Management in

Higher Education Human Performance Technology, Instructional Design

ICT in Education , Imagineering in Education.

**PUBLICATIONS in English:**

**Papers Published in Journals:**

Wannapiroon, P. and Nilsook,P. (2012) The Development of Web-Based Training for Job

Competencies of Academic and Administrative Staff of King Mongkut’s University of Technology North Bangkok," **International Journal of e-Education, e-Business, e-Management and e-Learning** vol. 2, no. 5, pp. 348-352, 2012.

Palacheewa, P. , Suwannatthachote, P. and Nilsook, P. (2012). Critical Issues To Be Concern In

Selecting Tools For Teaching High School Computer Project Lesson Using Computer-

Supported Collaborative Learning. **Creative Education**, 3, 11-14.

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Supree Purnakanishtha , Praweenya Suwannatthachote and Prachyanun Nilsook (2014)

Development and Validation of a Problem Solving Skill Test in Robot Programming Using

Scaffolding Tools. **Open Journal of Social Sciences**, 2014, 2, pp. 47-53.

Nilsook, P., Utakrit, N., and Clayden, J. (2014) Imagineering in Education: A Framework to Enhance

Students' Learning Performance and Creativity in Thinking. **Educational Technology**. January-February 2014, Vol. 54 Issue 1, p14-20.

Nilsook, P. and Wannapiroon, P. (2014) International Distance Consulting via Web Conferencing.

**International Journal of Emerging Technologies in Learning**.Vol 9, No 4 (2014) ; pp. 60-

64. <http://dx.doi.org/10.3991/ijet.v9i4.3736> **(SCOPUS)**

Rodmunkong, P. Wannapiroon, and P. Nilsook, "The Challenges of Cloud Computing Management

Information System in Academic Work," **International Journal of Signal Processing Systems**, Vol. 2, No. 2, pp. 160-165, December 2014. doi: 10.12720/ijsps.2.2.160-165

Chantana Papattha, Prachyanun Nilsook, and Namon Jeerungsuwan. (2015) "Model for

Development of Mass Communication Technology Graduates’ Desired

Characteristics Based on Thai Qualifications Framework for Higher Education,"

***International Journal of Information and Education Technology*** vol. 5, no. 6,

pp. 397-402, 2015. **(Proquest)**

Anupan, A., Nilsook, P. and Wannapiroon, P. (2015) A Framework for a Knowledge

Management System in a Cloud Computing Environment Using a Knowledge

Engineering Approach. ***International Journal of Knowledge Engineering***,

Vol. 1, No. 2, September 2015. pp 146-149. DOI: 10.7763/IJKE.2015.V1.25.

Chotikitpat, K., Nilsook & P., Sodsee, S. (2015) Techniques for improving website rankings

with search engine optimization (SEO). ***Advanced Science Letters***. Volume 21, Issue

10, OCtober 2015, Pages 3219-3224. <http://dx.doi.org/10.1166/asl.2015.6503>   
 **(SCOPUS)**

Papattha, C., Nilsook, P. and Jeerungsuwan, N. (2015) Characteristics of Digital Mass

Media Officer in Media Convergent Age. ***International Journal of Modeling and***

***Optimization***, Vol. 5, No. 4, August 2015. pp. 313-316.

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Gulatee,Y. and Nilsook, P. (2016) MOOC?s Barriers and Enables. ***International Journal***

***of Information and Education Technology***, Vol. 6, No. 10, October 2016, pp.826-833. <http://dx.doi.org/10.7763/IJIET.2016.V6.800>

Pumchalerm, S., Nilsook, P. and Jeerungsuwan, N. (2016) Intelligent Cooperative

Education Process Management Model on Cloud Computing Technology for

Higher Education Institutes in Thailand. ***International Journal of Information and Education Technology***, Vol. 6, No. 10, October 2016, pp.791-794.

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Model via Buddhist Catechism Method on Mobile Learning for Development of

Thinking Buddhist Critical***. International Journal of Information and Education Technology***, Vol. 6, No. 10, October 2016. pp.809-812.

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Based on Connectivism of Cloud Computing for Developing Critical Thinking.

***International Journal of Information and Education Technology***, Vol. 6, No. 6,

June 2016, pp.492-495. <http://dx.doi.org/10.7763/IJIET.2016.V6.738>

Sangvari, J. ,Nilsook, P. and Piriyasurawong, P. (2016) Model of Quality Management of

Education Digital Television Station in Thailand. ***Journal of Advanced***

***Management Science.*** Vol. 4, No. 6, November 2016, pp.447-451.

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Augmented Book. ***International Journal of Interactive Mobile Technologies.***

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**(SCOPUS)**

Techakosit, S and Nilsook, P. (2016) The Learning Process of Scientific Imagineering

through AR in Order to Enhance STEM Literacy. ***International Journal of***

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**(ISI Web of Science, SCOPUS)**

Nookhong, J. & Nilsook, P. (2017) Green University Resource Planning on Cloud

Computing. ***International Journal of Information and Education Technology***, Vol. 7, No. 10, October 2017. pp 722-727.

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Learning and Imagineering. ***International Journal of Emerging Technologies in***

***Learning***. Volume 12, Issue 05 (2017), pp. 4-22.

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Planning on Cloud Computing. ***International Journal of the Computer, the***

***Internet and Management***. Vol.25 No.2 (May-August, 2017) pp. 68-75.

**(TCI Thailand)**

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Learning Process of Scientific Imagineering through AR. International Journal of

Emerging Technologies in Learning. Vol 13, No 01 (2018); pp. 230-238.

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**(ISI Web of Science, SCOPUS)**

Kaeophanuek, S., Na-Songkhla, J., and Nilsook, P. (2018) How to Enhance Digital Literacy

Skills among Information Sciences Students. ***International Journal of Information***

***and Education Technology***, Vol. 8, No. 4, April 2018.

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Process with the Internet of Things for Good Governance for Higher Education Institutions.***International Journal of the Computer, the Internet and Management***. Volume 26 No.2 (May-August 2018), pp 72-80.

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engineering learning process can enhance technical skills in software engineering.

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on Search Engine Optimization. ***International Journal of the Computer, the***

***Internet and Management.*** Volume 26 No.3 (September-December 2018),

pp.25-32. **(TCI Tier1)**

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***International Journal of Information and Education Technology***. Vol. 9, No. 1,

2019, pp. 21-26.

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Deeper Learning for Undergraduate Students. ***Higher Education Studies***; Vol. 9,

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architecture of digital activity portfolio via internet of things for digital university.

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through Digital Storytelling. ***International Journal of Emerging Technologies in***

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Augmented Reality and Digital Twin for Digital Competence," ***International Journal***

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Competency of Embedded Systems. ***International Journal of Online and***

***Biomedical Engineering.*** Vol 15, No 04 (2019), pp. 98-110. **(ISI Web of Science, SCOPUS)**

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Management Using Latent Semantic Analysis with the Internet of Things," ***International Journal of Computer Theory and Engineering***. vol. 11, no. 2, pp. 23-26, 2019.

Songsom, N., Nilsook, P. & Wannapiroon, P. (2019) The Synthesis of the Student

Relationship Management System Using the Internet of Things to Collect the Digital

Footprint for Higher Education Institutions. ***International Journal of Online and***

***Biomedical Engineering.*** Vol 15, No 06 (2019), pp. 99-112. **(ISI Web of Science, SCOPUS)**

Kaeophanuek, S., Na-Songkhla, J. and Nilsook,P. (2019). Developing Web-based Learning

through Digital Storytelling to Enhance Cultural Heritage Preservation. ***Journal of Information Science***, 37(1), pp.45-66. **(TCI1)**

Kuandee, W., Nilsook, P. & Wannapiroon, P. (2019) Asset Management System for Good

Governance Using the Internet of Things. ***International Journal of e-Education, e-***

***Business, e-Management and e-Learning.*** vol. 9, no. 4, pp. 316-323, 2019.

Thanachawengsakul, N., Wannapiroon, P. & Nilsook, P. (2019) Synthesis of Digital

Knowledge Engineering Repository Management System. ***International Journal of***

***e-Education, e-Business, e-Management and e-Learning.*** vol. 9, no. 4, pp. 348-356, 2019.

Thanachawengsakul, N., Wannapiroon, P. & Nilsook, P. (2019) The Knowledge Repository

Management System Architecture of Digital Knowledge Engineering using Machine

Learning to Promote Software Engineering Competencies. ***International Journal of***

***Emerging Technologies in Learning.*** Vol 14, No 12 (2019); pp. 42-56.

<https://doi.org/10.3991/ijet.v14i12.10444> **(ISI Web of Science, SCOPUS)**

Anant Voratitipong, Panita Wannapiroon, Prachyanan Nilsook, "A Study of Digital

Media Searching Systems," ***International Journal of e-Education, e-Business, e-Management and e-Learning***. vol. 9, no. 3, pp. 204-211, 2019.

https://doi: 10.17706/ijeeee.2019.9.3.204-211

Chantip Leelitthum, Krich Sintanakul, Prachyanun Nilsook, "Conceptual Framework for

the Development of a Professional Assessment System in Accordance with Professional Standards in the Business Computer Department," ***International Journal of e-Education, e-Business, e-Management and e-Learning*** vol. 9, no. 3, pp. 220-226, 2019. doi: 10.17706/ijeeee.2019.9.3.220-226

Kanokrat Jirasatjanukul, Prachyanun Nilsook, and Panita Wannapiroon, "Creation of a

Structural Equation Model of Human Resource Management to Be Applied to High-Performance Educational Organizations," ***International Journal of Learning and Teaching***, Vol. 5, No. 3, pp. 271-274, September 2019. doi: 10.18178/ijlt.5.3.271-274

Tuannurisan Suriya, Panita Wannapiroon, and Prachyanun Nilsook, "Conceptual

Framework of High Security System Using Internet of Things of Digital Forensic of Educational Institutions in Southern Border Province," ***International Journal of Future Computer and Communication***vol. 8, no. 3, pp. 99-103, 2019.

Surachet Chan-ngam, Prachyanun Nilsook, and Panita Wannapiroon, "Intelligent

Information Management with Digitization Workflow", ***International Journal of Machine Learning and Computing (IJMLC),*** Vol. 9, No. 6, pp. 886-892, Dec. 2019. (SCOPUS)

Nualsri Songsom, Prachyanun Nilsook, Panita Wannapiroon.(2019).The Student

Relationship Management System Process via the Internet of Things.***TEM Journal,*** 8(4), 1426-1432. (SCOPUS, ISI Web of Science)

Nualsri Songsom, Prachyanun Nilsook, Panita Wannapiroon, Lance Chun Che Fung & Kok

Wai Wong (2019) System Architecture of a Student Relationship Management

System using Internet of Things to collect Digital Footprint of Higher Education

Institutions. ***International Journal of Emerging Technologies in Learning***. Vol 14,

No 23 (2019), pp. 125-144. (SCOPUS, ISI Web of Science)

Chaiwat Garnrunsri, Prachyanun Nilsook, and Panita Wannapiroon, "Digital Publishing

Production Processes for Education," ***International Journal of Information and Education Technology.*** vol. 10, no. 1, pp. 57-61, 2020. (SCOPUS)

Nuam-In, W., Nilsook, P. and Wannapiroon, P. (2020) The Multi-Level Data Exchange

with Representational State Transfer on Service-Oriented Architecture ***International Journal of Machine Learning and Computing***, Vol. 10, No. 1, January 2020, pp.38-43. https://doi: 10.18178/ijmlc.2020.10.1.895 (SCOPUS)

Nualsri Songsom, Prachyanun Nilsook, Panita Wannapiroon, Lance Chun Che Fung, and

Kok Wai Wong, (2020) "System Design of a Student Relationship Management System Using the Internet of Things to Collect the Digital Footprint***," International Journal of Information and Education Technology.*** vol. 10, no. 3, pp. 222-226, 2020. (SCOPUS)

Preecha Pangsuban, Prachyanun Nilsook, and Panita Wannapiroon, "A Real-time Risk

Assessment for Information System with CICIDS2017 Dataset Using Machine Learning," ***International Journal of Machine Learning and Computing***.vol. 10, no. 3, pp. 465-470, 2020. (ProQuest, Inspec (IET))

S. Kittiviriyakarn, P. Nilsook, and P. Wannapiroon, "The Professional Experience Transfer

Model from the Prediction of an Intelligent Portfolio Using Service Agents," ***International Journal of Information and Education Technology.*** vol. 10, no. 6, pp. 428-434, 2020. (SCOPUS)

Thanapol Namnual, Prachyanun Nilsook, and Panita Wannapiroon, "System Architecture

of Data Warehousing with Ontologies to Enhance Digital Entrepreneurs’

Compe tencies for Higher Education," ***International Journal of Information and Education Technology.*** vol. 9, no. 6, pp. 414-418, 2019. (SCOPUS)

Dusadee N., Piriyasurawong P., Nilsook P., Wannapiroon P. (2020) Professional Learning

Community Training Model Through Cloud Technology to Enhance Competence Learning Management Teacher. In: Auer M., Hortsch H., Sethakul P. (eds) The Impact of the 4th Industrial Revolution on Engineering Education. ICL 2019. ***Advances in Intelligent Systems and Computing***, vol 1135. Springer, Cham. (SCOPUS, SPRINGER) <https://doi.org/10.1007/978-3-030-40271-6_75>

Kaewrattanapat N., Wannapiroon P., Piriyasurawong P., Nilsook P. (2020) An Empirical

Study of Critical Factors Relating to Higher Education Students’ Loyalty in Thailand. In: Auer M., Hortsch H., Sethakul P. (eds) The Impact of the 4th Industrial Revolution on Engineering Education. ICL 2019***. Advances in Intelligent Systems and Computing***, vol 1135. Springer, Cham. (SCOPUS, SPRINGER)

<https://doi.org/10.1007/978-3-030-40271-6_39>

Kummanee J., Nilsook P., Piriyasurawong P., Wannapiroon P. (2020) STEAM

Gamification Learning Model to Enhance Vocational Students’ Creativity and Innovation Skills. In: Auer M., Hortsch H., Sethakul P. (eds) The Impact of the 4th Industrial Revolution on Engineering Education. ICL 2019. ***Advances in Intelligent Systems and Computing***, vol 1135. Springer, Cham. (SCOPUS, SPRINGER)

<https://doi.org/10.1007/978-3-030-40271-6_68>

Hinon K., Nilsook P., Wannapiroon P. (2020) Development of Lesson Plans for Practicing

Electrical Installation Professional Experience with Competency-Based Training System in Building Electricians. In: Auer M., Hortsch H., Sethakul P. (eds) The Impact of the 4th Industrial Revolution on Engineering Education. ICL 2019. ***Advances in Intelligent Systems and Computing***, vol 1135. Springer, Cham. (SCOPUS, SPRINGER) <https://doi.org/10.1007/978-3-030-40271-6_23>

Kridsanapong Lertbumroongchai, Kobkiat Saraubon, and Prachyanun Nilsook, "The Social-

Emotional Learning Process to Develop Practicing Skills for Hands-on Students," ***International Journal of Information and Education Technology.*** vol. 10, no. 8, pp. 597-602, 2020. (SCOPUS)

Sakchai Chaiyarak, Alongkorn Koednet and Prachyanun Nilsook (2020) Blockchain, IoT and

Fog Computing for Smart Education Management. ***International Journal of Education and Information Technologies***. Volume 14, 2020, pp. 52-61; <http://doi.org/10.46300/9109.2020.14.7> (Web of Science, IET Inspec)

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Higher Education Institute. ***Higher Education Studies***. Vol. 10, No. 4 (2020), pp.

36-43. <https://doi.org/10.5539/hes.v10n4p36> (ERIC)

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Education College Transformation Process toward High-Performance Digital Organization," ***International Journal of Information and Education Technology*** vol. 10, no. 11, pp. 832-837, 2020. (SCOPUS)

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Digital Storytelling to Develop Knowledge and Digital Intelligence for Teacher Profession Students," ***International Journal of Information and Education Technology.***  vol. 10, no. 12, pp. 865-872, 2020. (SCOPUS)

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Intelligent Career Prediction System based on the Cognitive Technology for Producing Graduates to the Digital Manpower” ***International Journal of Advanced Computer Science and Applications (IJACSA)***, 11(12), 2020. <http://dx.doi.org/10.14569/IJACSA.2020.0111214> (SCOPUS, Web of Science)

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Management System using Facial Recognition for Student's Participation and Registration on School Activities. ***International Journal of Education and Information Technologies.*** Vol 14, 2020, pp. 142-152. <http://doi.org/10.46300/9109.2020.14.17> (Web of Science)

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Experiential Learning Process for Enhancing Digital Entrepreneurship. ***Higher Education Studies*** ; Vol. 11, No. 1 ; 2021, pp. 137-147.

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