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## Curriculum Vitae

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**Name:** Ts. Daniel Tan Yong Wen

**List of Research:**

**Internal Grant**

1. Framework Design for Badminton Training Evaluation System (1/2019/04)
2. Smart House Initiative (2/2020/08)

**External Grant**

1. Behavioural Analytics and Real-time Tracking of Patients Using IoT and RFID, ASIA-PACIFIC TELECOMMUNITY, US\$ 62,884.

**List of Consultancy:**

1. Program Latihan dan Pembangunan ICT Luar Bandar 2018, Ministry of Modernization of Agriculture, Native Land and Regional Development (MANRED).
2. Ideathon, Kuching (UNIMAS, SHARE).
3. Program Latihan dan Pembangunan ICT Luar Bandar 2019, Ministry of Modernization of Agriculture, Native Land and Regional Development (MANRED).
4. Ideathon, Manila, Philippines (Ateneo de Manila University, SHARE)
5. Ideathon, Bandung, Indonesia (Institut Teknolohi Bandung, SHARE)

6. Program Latihan dan Pembangunan ICT Luar Bandar 2020, Ministry of Modernization of Agriculture, Native Land and Regional Development (MANRED).
7. Development of OneM2M server, The Telecommunication Technology Committee (TTC), Japan.
8. Consultancy on ICT and Telecommunication Study for Paloh Shipyard. PKM Projek Konsultant, Kuching.
9. Consultancy Project on ICT and Telecommunication Masterplan Study for Damai Peninsular Area, PKM Projek Konsultant, Kuching.

**List of Publications:**

1. D. Y. W. Tan and T. H. Yong, "Suitability of smartshirt by Hexoskin to monitor heart rate for racket sports," 2017 International Conference on Robotics, Automation and Sciences (ICORAS), 2017, pp. 1-4, doi: 10.1109/ICORAS.2017.8308057.
2. T. H. Yong and D. Y. W. Tan, "Preliminary investigation of movement-heart rate relationship using kinect-based badminton performance analysis," 2017 International Conference on Robotics, Automation and Sciences (ICORAS), 2017, pp. 1-5, doi: 10.1109/ICORAS.2017.8308052.
3. Daniel Tan Yong Wen, Ting Huong Yong (2017). Kinect-based Badminton Motion Sensor as Potential Aid for Coaching Strokes in Novice Level. Indian Journal of Science and Technology, 10(39), 1-5.
4. Ting, H. and Tan, Y., 2017. Badminton Stroke Movement Comparison Using Kinect-Based Adaptive Range of Movement Index Technique. Indian Journal of Science and Technology, 10(39), pp.1-5.

5. Tan, D. Y. W., Ting, H. Y., & Lau, S. B. Y. (2017). On-Court Holistic Badminton Training Analytics Framework. *World Applied Sciences Journal*, 35(8), 1331–1336. <https://doi.org/10.5829/idosi.wasj.2017.1331.1336>
6. Simon Lau B. Y., Ting Huong Yong, Daniel Tan Yong Wen (2018). Cost-Benefit Analysis Reference Framework for Human Motion Capture and Analysis Systems. *Advanced Science Letters*. 24(2) (pp 1249-1253).
7. Yiiong, S. P., Ting, H. Y., Tan, D. Y. W., & Chia, R. (2019). Investigation of Relation between Sport's Motion and Heart Rate Variability (HRV) Based on Biometric Parameters. *IOP Conference Series: Materials Science and Engineering*, 495(1). <https://doi.org/10.1088/1757-899X/495/1/012015>
8. Ting, J. T. W., Ting, H. Y., Tan, D. W. Y., & Yong, C. Y. (2019). Kinect-Based Badminton Motion Analysis Using Intelligent Adaptive Range of Movement Index. *IOP Conference Series: Materials Science and Engineering*, 495(1). <https://doi.org/10.1088/1757-899X/495/1/012017>

**List of Awards:**

1. Best Presenter Award. 2017. 2nd International Conference Electrical, Electronic and Systems Engineering (ICEESE 2017), England.
2. Bronze Medal. 2018. Malaysia Technology Expo. International level. Malaysia.