

# MIIEx2017

Melaka  
International  
Intellectual  
Exposition

## PROGRAMME ABSTRACT

AUTISM

INNOVATION

DESIGN

INVENTION

**"Bridging Gaps with Creativity for Future Sustainability"**

# MIIEX2017



“Bridging the Gaps with Creativity for Future Sustainability”

## **EDITORS AND COMPILERS:**

Prof. Madya Dr. Shafinar Binti Ismail  
Mohd Halim Bin Mahphoth  
Aemillyawaty Binti Abas  
Fazlina Mohd Radzi  
Aidah Alias  
Ilinadia Jamil  
Nor Yus Shahirah Hassan  
Shafirah Shaari  
Farihan Azahari

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Division of Research and Industry Linkages  
Universiti Teknologi MARA MELAKA  
KM26 Jalan Lendu,  
78000 Alor Gajah Melaka  
Tel +606-5582094/ +606-5582190 / +606-5582113  
Web: [www.miiex2017.com](http://www.miiex2017.com)

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# SMART NEA CLASS

Nurul Ezaili Alias & Rozana Othman

UNIVERSITI TEKNOLOGI MARA CAWANGAN MELAKA, MALAYSIA

## Abstract

Malaysia's development plan for education, as laid out in the Malaysian Education Blueprint 2013-2025, is in line with the direction of the 2050 National Transformation (TN50) vision. TN50 will bring about many changes in ensuring a strong education framework for the people that would mould the coming generations. Smartphones, nowadays, everyone has one or at least wants one including teachers and students. Mobile App is also found to be the most important development in innovating the teaching and learning (T&L) skills. A "Smart T&L" should never be defined as just conventional classrooms. In current T&L practices, teachers usually update their T&L activities through provided e-learning web-based by the institution. Traditionally, student has to access to their university's e-learning web-based account in order to continuously get information from the teacher. However, this existing practice facing a difficulty in sending and receiving real-time updates from teachers and students, respectively. Further, the difficulty mentioned above can be solved by using this T&L innovation where student will receive information automatically (real-time) through their smartphone. Therefore, the objectives of this innovation is (1) to use technology as an innovative medium in T&L; (2) to develop a T&L Mobile App that consist of variety features into one platform; (3) to create a higher engagement between teacher and student at any time. "NEA Class" Mobile App is developed by using AppDolph Platform. Advanced features in "NEA Class" enables teacher to engage with students easily, effectively and efficiently. As a conclusion, "NEA Class" (offered features of Teacher's Wall, Smart Attendance, Smart Absence Form, Push Notification/Announcement, Notes and Tutorial and Assignment) is used to accommodate the needs of students who use adaptive technology in their daily life. "NEA Class" is believed to give a new breath in keeping students engaged with their lecturers all the time without any difficulties.