

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

COVER DESIGN:

AFTI Sdn Bhd

PUBLISHED BY:

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

All rights reserved. No part of this publication may be reproduced, stored in retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without permission of the copyright holder.

MOBILE APPLICATION OF ACTIVITY PLAN FOR AUTISM SPECTRUM DISORDER (ASD) CHILDREN

Nur Fathihah Binti Mansor, & Noor Wahida Bt Jamil

UNIVERSITI TEKNOLOGI MARA (UITM) MELAKA, KAMPUS JASIN MELAKA

Abstract

Institute for Democracy and Economic Affairs (IDEAS) Autism Centre (IAC) provides primary intervention care and education for autism children from low-income families, to ease their transition and assimilation into mainstream primary schools. This project focuses on the development Mobile Application of Activity Plan for Autism Spectrum Disorder (ASD) Children (Autism-ActPlan) is provided for parents, teachers and caretakers of IAC. Currently, parents used PECS activity plan to communicate with their ASD children because at IAC teacher used PECS in teaching and learning process. With PECS activity plan board, it help parents, teachers and caretakers to approach ASD children easier and better. IAC would like to seek a way of enhancement and improvement in order to aid parents, teachers and caretaker to explain routine or activity that the ASD children will do. The first problem statement is ASD children have a problem to adapt with unpredictable activity and parents may forget about activity that has been plan. The second problem statement is parents facing difficulties communicate and explain to ASD children. Sometime the parents lost, misplace or forget to bring the images with them. There are three objectives which are to gather and analyze the requirements for the activity plan for ASD children, to design mobile application of activity plan for ASD children and to develop mobile application of activity plan for ASD children. Waterfall model is used in this project which consists of the gather and analysis requirements, designing and development phase which each of the phases had activities involved and the deliverables. The finding of this project is to help parents, teachers and caretakers to plan the activity and explain the plan to ASD children.