



CR - 1

Application No



LY2019000662

04/02/2018

Applicant :

Owner Author Licensee
 Title of work : The guidebook module of Flagbot : Learn the Identity
 (Original language) : of Malaysia through Lego Based Robot for Children
 with Learning Disabilities
 Translation :
 Transliteration :
 Name of the Language : ENGLISH
 (Language that been used in the work)
 If published in a periodical or serial :
 (Literary Work) (Volume / Number) (Issue Date) (On Pages)

Section A : Category of Works

Literary Musical Artistic Film Sound Recording

Date of Fixation / First Published / Erected / Incorporated : - / / 2018

Section B : Publication

The Work is : Published Unpublished
 If published : / / / / (Country)
 (Year of Compilation) (Date of first publication)

Section C : Author (If author is "same as owner" go to Part D - if more than one author, please attach a list of names and addresses of all the author)

Name : NOREEN IZZA BTE ARSHAD
 National Identification No. / Passport No. : 790426 - 14 - 5776
 Address 1 : UNIVERSITI TEKNOLOGI PETRONAS
 Address 2 : COMPUTER & INFORMATION SCIENCES DEPARTMENT
 Address 3 :
 Postcode : 32610 City : BANDAR SERI ISKANDAR Nationality : MALAYSIAN
 State : PERAK Country : MALAYSIA
 Telephone No. : 017-3501179 E-mail : noreenizza@utp.edu.my* Date of Death : / /
 Fax No. : 05-3656180

Section D : Owner (If more than one owner, please use the attachment)

Please tick (✓) if Owner is same as Author

*Name : _____
*National Identification No. / Passport No. : _____
*Company Name : UNIVERSITI TEKNOLOGI PETRONAS
*Company Registration No. : 0352875 - U
Address 1 : UNIVERSITI TEKNOLOGI PETRONAS
Address 2 : _____
Address 3 : _____
Postcode : 32610 City : BANDAR SERI ISKANDAR Nationality : _____
State : PERAK Country : MALAYSIA
Telephone No. : _____ E-mail : _____ Fax No. : _____
+605 - 368 8000

Section E : Licensee (Section D must be fill in)

*Name : _____
*National Identification No. / Passport No. : _____
*Company Name : _____
*Company Registration No. : _____
Address 1 : _____
Address 2 : _____
Address 3 : _____
Postcode : _____ City : _____ Nationality : _____
State : _____ Country : _____
Telephone No. : _____ E-mail : _____ Fax No. : _____

Date of Agreement : / /

Period of Agreement : / / until / /

Please provide copy of agreement(s)

Section F : Contact Person

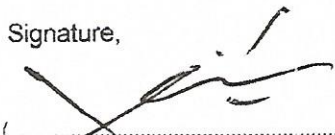
Name : NOREEN IZZA BTE ARSHAD
National Identification No. / Passport No. : 790426 - 14 - 5776
*Company Name : UNIVERSITI TEKNOLOGI PETRONAS
*Company Registration No. :
Address 1 : UNIVERSITI TEKNOLOGI PETRONAS
Address 2 : COMPUTER & INFORMATION SCIENCES DEPARTMENT
Address 3 :
Postcode : 32610 | City : BANDAR SERI ISKANDAR | Nationality : MALAYSIAN
State : PERAK | Country : MALAYSIA
Telephone No. : 017-3501179 | E-mail : nooreenizza@utp.edu.my | Fax No. : 05-3656180

Section G : Declaration

I hereby granted my works to be viewed by public for research and educational purpose : Yes No

- Author of the work
- Owner of the copyright in the work
- Licensee of copyright the work (Please provide adequate related document(s))

Signature,



(.....)
Name : NOREEN IZZA BTE ARSHAD
Date (dd/mm/yy) : 4/3/2019

Section H : Official Use

Payment Received

Acknowledged by,



(.....)
Officer's Name :
Date (dd/mm/yy) :

* Please state whichever applicable

All correspondence should be addressed to:

Copyright Division,
Intellectual Property Corporation of Malaysia (MyIPO)
Unit 1-7 & Mezzanine, Aras 12-19
Tower B, Menara UOA Bangsar,
No. 5 Jalan Bangsar Utama 1,
59000 Kuala Lumpur.

Telephone : +603 - 2299 8400
Fax : +603 - 2299 8989
Website : <http://www.myipo.gov.my>
E-Mail : infocopyright@myipo.gov.my

THE COPYRIGHT ACT 1987
THE COPYRIGHT REGULATIONS 1990

IN THE MATTER OF Section 42 (1)
of the Copyright Act 1987.

STATUTORY DECLARATION

I, **Noreen Izza Arshad (790426145776)** of Universiti Teknologi PETRONAS of Bandar Seri Iskandar, 32610 Tronoh, Perak Darul Ridzuan, Malaysia , a Malaysian citizen of full age do hereby solemnly and sincerely declare as follows:-

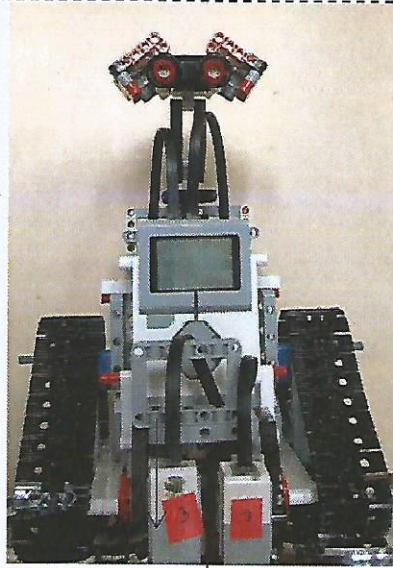
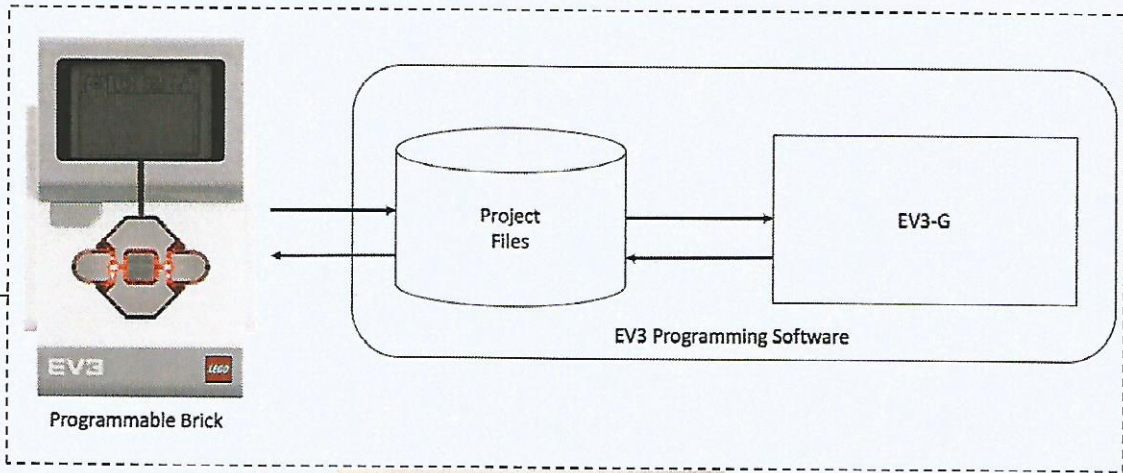
1. I am the Lecturer of Computer & Information Sciences Department of Universiti Teknologi PETRONAS of Bandar Seri Iskandar, 32610 Tronoh, Perak Darul Ridzuan, Malaysia (hereinafter referred to as "UTP").
2. The facts deposed to herein are to the best of my knowledge and belief true and are within my personal knowledge and from the records of UTP to which I have access.
3. I am authorized to make this statutory declaration for and on behalf of UTP.

On or about November 2018, (Noreen Izza Arshad (790426145776) and Nur Hidayah Ilham binti Ahmad Azri (961115085212) as employee of UTP (hereinafter referred to as "Authors"), have created a guidebook Flagbot: Learn the Identity of Malaysia through Lego-Based Robot for Children with Learning Disabilities. The purpose of creating the guidebook is to assist the teachers, parents or therapists on how to handle the EV3 Robot (Flagbot) for the learning disabilities children to learn about the Identity of Malaysia. Learning disabilities children are kids who have neurologically-based processing problems. The guidebook modules are to teach the learning disabilities children knowing the Identity of Malaysia. Flagbot is the first robotic Lego invention (Mechanoid robot) that have been built and assembled by using the elements of Lego Mindstorms EV3 and programmed by using EV3 programming software to control the behavior of the robot. Due to the

advanced of technology, some of them may have zero or less knowledge on how to use and handle the EV3 Robot (Flagbot). Therefore, with the present of guidebook, the teachers, parents, therapists or even the learning disabilities children can benefit from the guidebook module on how to handle the Flagbot in teaching the Identity of Malaysia. There are three sections in the guidebook module which include: (i) structure of the Flagbot, (ii) module for teachers and parents, and (iii) module for learning disabilities children and two exercises. The module shows the step by step procedure on how to use the Flagbot and handle the structure of the Flagbot properly. The guidebook module is published in English. All of steps on handling the Flagbot were created using Microsoft Power Point and printed into a piece of book as shown in Figure 1.

Referring to the Flagbot: Learn the Identity of Malaysia through Lego-Based Robot for Children with Learning Disabilities, the items that we would like to protect are:

1. The guidebook module of Flagbot: Learn the Identity of Malaysia through Lego-Based Robot for Children with Learning Disabilities (as attached in Appendix 1).



FLAGBOT:
Learn the Identity of Malaysia
through Lego-Based Robot for
Children with Learning
Disabilities

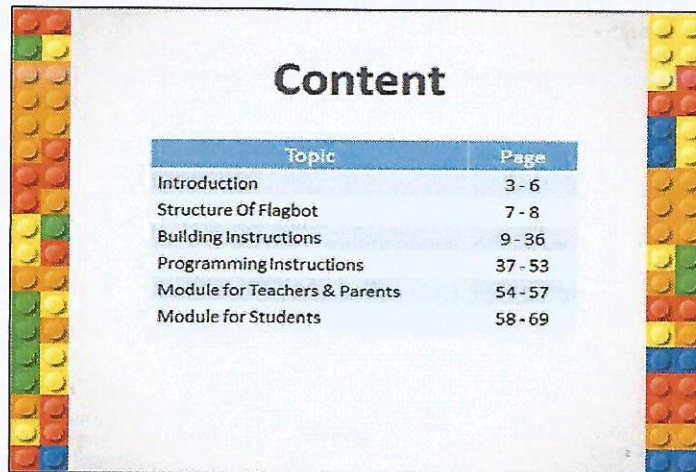
The image features a vertical strip of colorful LEGO bricks on the left side. On the right side, there are three cartoon children (two girls and one boy) smiling and waving. At the bottom, there is a stylized illustration of the Malaysian flag (Jalur Gemilak) with a crescent moon and a star.

Figure 1: Bird Eye View of how the guidebook module of Flagbot: Learn the Identity of Malaysia through Lego-Based Robot for Children with Learning Disabilities was created

4. On November 2018, the published of module for Flagbot: Learn the Identity of Malaysia through Lego-Based Robot for Children with Learning Disabilities was completed.

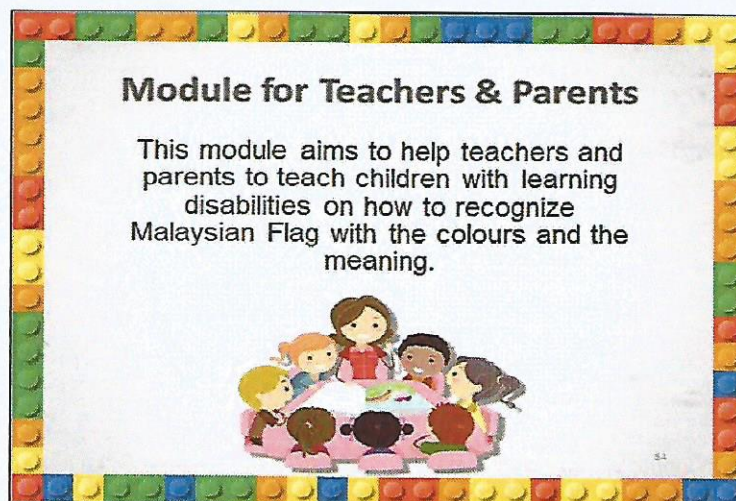
Now produced and marked as Exhibit, Flagbot are the content and screen shots from Flagbot guidebook module.

a) Table of Content of the Flagbot guidebook module



Topic	Page
Introduction	3 - 6
Structure Of Flagbot	7 - 8
Building Instructions	9 - 36
Programming Instructions	37 - 53
Module for Teachers & Parents	54 - 57
Module for Students	58 - 69

b) Module for teachers and parents of the Flagbot guidebook module



c) Methods and procedures on using Flagbot in the guidebook module

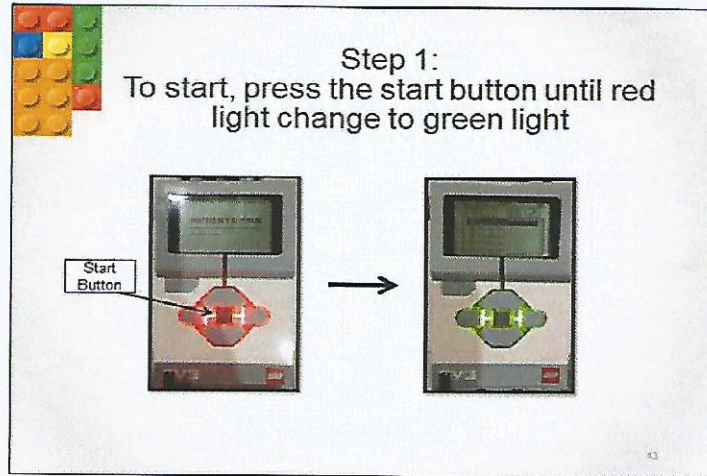


Figure 2: Snapshots of Flagbot guidebook module

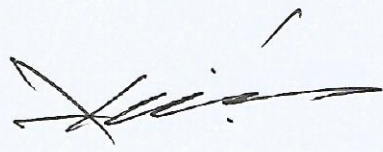
5. I am advised and verily believe that computer programs or compilations of computer programs including source codes are Literary Work within the meaning of the Copyright Act 1987 and by virtue of that, the copyright subsists in the Literary Work on the date of creation.

4. I verily believe that since sufficient skill and effort has been expended in the creation of the Literary Work by the Authors to make the Literary Work original in character and that the Literary Work have been reduced into material form, the copyright in the Literary Work subsists from the date it was made or created as stated herein.

5. I further assert that by virtue of the facts deposed to hereinbefore, the UTP is the owner of the copyright in the computer program which includes the source codes and all materials arising therefrom.

AND I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Statutory Declarations Act 1960.

Subscribed and solemnly)
 declared by the abovenamed)
 Noreen Izza Arshad)
 at SERI ISKANDAR)
 PERAK)
 on this 16th November, 2018)



Before me,

✓



No. 17, Medan Selera MDPT,
 Seri Iskandar,
 32610 Seri Iskandar, Perak.

**THE COPYRIGHT ACT 1987
THE COPYRIGHT REGULATIONS 1990**

IN THE MATTER OF Section 42 (1)
of the Copyright Act 1987.

This is the document marked "**DRA-1**"
Referred to in the Statutory Declaration dated
This 16th November, 2018.

Before me,



No. 17, Medan Selera MDPT,
Seri Iskandar,
32610 Seri Iskandar, Perak.