



اونيورسيتي تېكنيكل مليسيا ملاك

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

DIGITAL COLLECTION UTeM

USER MANUAL GUIDELINE

<https://digitalcollection.utem.edu.my/>

How to search for publications at Digital Collection UTeM

The screenshot shows the Digital Collection UTeM website interface. At the top right, there is a 'Simple Search' section with a search bar and a 'Search' button. On the left, a 'Browse By Repository:' menu lists various options: Home, About, Latest Additions, Search Repository, Browse by Year, Browse by Subject, Browse by Division, Browse by Author, Browse by Type, Policies, and Statistic. Annotations with arrows point to these menu items: 'Search by Latest Additions' points to 'Latest Additions'; 'Search by Repository' points to 'Search Repository'; 'Browse Category' is a bracket pointing to 'Browse by Year', 'Browse by Subject', 'Browse by Division', 'Browse by Author', and 'Browse by Type'; 'Search by Title & Author' is a bracket pointing to 'Browse by Year', 'Browse by Subject', 'Browse by Division', 'Browse by Author', 'Browse by Type', and the 'Item Type' section of the search form. The main content area features a welcome message for 'UNIVERSITI TEKNIKAL MALAYSIA MELAKA DIGITAL COLLECTION' and a search form titled 'Search Collections in this Repository'. The search form includes fields for Title, Creators, and Keywords, each with a dropdown menu set to 'all of' and a search icon. Below these is an 'Item Type' section with checkboxes for Final Year Project, Show/Exhibition, Image, Video, Buletin, Audio, Teaching Resource, Vice Chancellor Speech, and Other. At the bottom of the search form are 'Search' and 'Reset the form' buttons.

Login

Simple Search →

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Search by Latest Additions

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Atom RSS 1.0 RSS 2.0

Search by Repository

Search Collections in this Repository

Search any collection in the institutional repository using a full range of fields. Use this search field for a quick search.

Title: all of

Creators: all of

Keywords: all of

Item Type:

- ☐ Final Year Project
- ☐ Show/Exhibition
- ☐ Image
- ☐ Video
- ☐ Buletin
- ☐ Audio
- ☐ Teaching Resource
- ☐ Vice Chancellor Speech
- ☐ Other

Search

Reset the form

Simple Search

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- Browse by Type
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The list of search result will be display

Item matches "ENGINEERING"

Displaying results 1 to 20 of 3643.

[Refine search](#) | [New search](#) | [1](#) | [2](#) | [3](#) | [4](#) | [5](#) | [6](#) | [7](#) | [8](#) | [9](#) | [10](#) | [11](#) | [Next](#)

Order the results:

Export 3643 results as [RSS 1.0](#) [Atom](#) [RSS 2.0](#)

1. Enter keyword, and click the search button

- Omar, Ghazali (2021) [12th Malaysian Technical Universities Conference on Engineering and Technology \(MUCET\) 2021](#). [Vice Chancellor Speech] (Submitted)
- Abdul Rahim, Raha (2021) [Officiating Ceremony Of Engineering Knowledge Transfer Unit \(EKTU\) UTeM ERASMUS United](#). [Vice Chancellor Speech] (Submitted)
- Husain, Syahrani (2021) [Design And Simulation Of Cam Operated Iris Mechanism](#). Project Report. UTeM, Melaka, Malaysia. (Submitted)
- Abdul Nasir, Muhammad Asif Asyraf (2020) [Development Of A Machine To Assist Wheelchair Users To Board A Bus](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)
- Abdul Rahman, Hazim (2020) [A Study Of Tyre Contour Design By Using Biomimicry Concept: A Case Study Of Bionic Tyre](#). Project Report. UTeM, Melaka, Malaysia. (Submitted)
- Baskaran, Roshini (2020) [Design And Analysis Of Automated Whiteboard Cleaner](#). Project Report. UTeM, Melaka, Malaysia. (Submitted)

2. Click on the title to view detailed bibliographic information

Simple Search


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- Policies
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Development Of A Machine To Assist Wheelchair Users To Board A Bus

Abdul Nasir, Muhammad Asif Asyraf (2020) *Development Of A Machine To Assist Wheelchair Users To Board A Bus*. Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Text
Development Of A Machine To Assist Wheelchair Users To Board A Bus.pdf
[Download \(499kB\)](#)

Official URL: <https://plh.utem.edu.my/cgi-bin/koha/opac-detail.p...>

Abstract

People with physical movement disabilities will likely to have some difficulties in moving from one place to another. A wheelchair has been invented for them in order to make their daily life become easier. Although the use of wheelchair can help people with disabilities to move, they still have a problem in getting onto the bus. Therefore, a few mechanisms such as hydraulic wheelchair lift, ramp and bridge plate has been invented to solve this problem. The purpose of this project is to introduce a new mechanism and improve the existing wheelchair mechanism to help wheelchair users to get into the bus. This new mechanism was designed to enable a lifting process occur at the standard bus that has a high stairs. The design process of this mechanism is started with a survey among civilians which includes some person with disabilities and some students. Through the data obtained from the survey, a House of Quality has been produced to convert the customer requirements into the engineering characteristics. Then, a Product Design Specification is produced in order to be used as a project target specification that must be met. Furthermore, a Morphological Chart is used to obtain some conceptual design whereas the final designs is selected through the Weighted Decision Matrix. After the 3D final design is produced using SolidWorks 2016, some analyses and simulation has been carried out in order to obtain the workability and functionality of the design. A motion study was conducted to observe whether the product design is able to lift the required load or not. Using motion study, the trace path, velocity, acceleration and amount of force use to lift the required load can be determined. Next, a simulation on stress analysis is conducted to obtain the stress data so that the factor of safety of the product design can be classified. Conclusion and recommendation about the project are discussed further

Item Type: Final Year Project (Project Report)

Uncontrolled Keywords: Human engineering, Design Human factors

Subjects: [T Technology > T Technology \(General\)](#)
[T Technology > TA Engineering \(General\)](#), [Civil engineering \(General\)](#)

Divisions: [Library > Projek Sarjana Muda > FKM](#)

Depositing User: [Norfaradilla Idayu Ab. Ghafar](#)

Date Deposited: 27 Oct 2021 03:49

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URI: <http://digitalcollection.utem.edu.my/id/eprint/25404>

View of full bibliographic information

3. Click on the text icon to read the article

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Search Collections in this Repository

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Title: all of

Creators: all of

Keywords: all of

Item Type:

☐ Final Year Project

☐ Show/Exhibition

☐ Image

☐ Video

☐ Buletin

☐ Audio

☐ Teaching Resource

☐ Vice Chancellor Speech

☐ Other

?

?

?

?

1. Enter keyword for Title, Creators or Item Type, and click on the search button

Search

Reset the form

Search By Title & Author

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The list of search result will be display

Title matches "Examine The Curriculum" (Ignoring: "The")

Displaying results 1 to 1 of 1.
[Refine search](#) | [New search](#)

Order the results: by year (most recent first) ▼ [Reorder](#)

Export 1 results as [Export](#) [RSS 1.0](#) [Atom](#) [RSS 2.0](#)

1. Mohd Zaki, Mohamad Amir (2020) [Examine The Curriculum Course For Engineering Students At Malaysia Higher Educational Institutions](#). Project Report. UIeM, Melaka, Malaysia. (Submitted)

Displaying results 1 to 1 of 1.
[Refine search](#) | [New search](#)

Order the results: by year (most recent first) ▼ [Reorder](#)

2. Click on the title to view detailed information

Search By Title & Author


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Examine The Curriculum Course For Engineering Students At Malaysia Higher Educational Institutions

Mohd Zaki, Mohamad Amir (2020) *Examine The Curriculum Course For Engineering Students At Malaysia Higher Educational Institutions*. Project Report. UTeM, Melaka, Malaysia. (Submitted)

 Text (24 Pages) [Download \(215kB\)](#)

Official URL: <https://plh.utem.edu.my/cgi-bin/koha/opac-detail.p...>

Abstract

The main purpose of this study is to examine the curriculum course for engineering students at Malaysia higher educational institutions. Firstly, the objective of this study is to examine the relationship between behaviourism, pragmatism, essentialism, constructivism and curriculum course for engineering students in Malaysia higher educational institutions. Second objective of this study is to determine the curriculum course that give most impact to engineering students in Malaysia higher educational institutions. Other than that, researcher also studies the relationship between four sub independent and engineering curriculum. The research identifies four independent variable that are behaviourism, essentialism, pragmatism and constructivism. This focus on one faculty in Universiti Teknikal Malaysia Melaka (UTeM). The population of this study consists of 1200 total of engineering students in UTeM. The sample of this study consist 291 of engineering students in UTeM. To collect the data and information needed, the researcher has used quantitative method in this study. The data needed was calculated through questionnaires. The method to accumulate research data was analysed by using Statistical Package for Social Science (SPSS).

Item Type: Final Year Project (Project Report)

Uncontrolled Keywords: Labor supply, Research, Labor market

Subjects: [H Social Sciences > HD Industries. Land use. Labor](#)

Divisions: [Library > Projek Sarjana Muda > FPTT](#)

Depositing User: [Sabariah Ismail](#)

Date Deposited: 12 Mar 2021 08:34

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URI: <http://digitalcollection.utem.edu.my/id/eprint/25006>

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Latest Additions to UNIVERSITI TEKNIKAL MALAYSIA MELAKA DIGITAL COLLECTION

Today

← The list of latest collections will be displayed

Ahmad Zaghlul Basha, Fitrah Nur Hidayah (2019) [Development Of An Electronic Educational Quiz Board That Test Student Knowledge On Laplace Transform](#). Project Report. UTm, Melaka, Malaysia. (Submitted)

Omar, Muhammad Idris (2018) [1 DOF \(Pitch\) Handheld Haptic Device](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Mohd Zainudin, Nur Aina Zayyani (2018) [Smart Auto Plant Monitoring System Using GSM](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Thevendran, Sasinthiran (2018) [Analysis Of Partial Occlusion On Human Pedestrian Detection](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Hamid, Ahmad Sabri (2018) [Development Of Smart Solar Tracking System With Blynk And ThingSpeak](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

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Kamaruddin, Mohd Syahril Amri (2018) [Numerical Analysis Of Transient Analysis Of RLC Circuit Under AC Supply](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Lee, Dai Jin (2018) [Synchronizing Control Of A Twin Axes Table Drive](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Yaacob, Muhammad Aiman (2018) [Optimization For PSMS By Using Particle Swarm Optimization](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Abdulwahid Mohammed Aldhubhani, Saeed Abdulhalim (2018) [An Implementation Of Fuzzy Controller For Micro-Gripper \(MEMS\)](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

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Development Of An Electronic Educational Quiz Board That Test Student Knowledge On Laplace Transform

Ahmad Zaghlul Basha, Fitrah Nur Hidayah (2019) *Development Of An Electronic Educational Quiz Board That Test Student Knowledge On Laplace Transform*. Project Report. UTeM, Melaka, Malaysia. (Submitted)

 Text (24 Pages) [Download \(262kB\)](#)

Official URL: <http://plh.utem.edu.my:8080/cgi-bin/koha/catalogue...>

Abstract

This project is about development of educational quiz board on Programmable Logic Array (PLA) topic. This topic is in Digital subject and usually Digital subject is compulsory for electronic engineering student to learn it. In addition, the requirement for a student to graduate at Universiti Teknikal Malaysia Melaka (UTeM) in Engineering Technology courses is to pass the entire subject, especially for the subject Digital Electronic, because this is a core subject. Then, to help student pass this subject, the educational quiz board is designed. With this project, student can learn this subject by themselves. The objective for this project is to build a portable, cost effective and friendly user educational quiz board by using Arduino Mega. Also, the technology used in this project is Bluetooth technology. Bluetooth act as an interface between software and hardware for user application.

Item Type: Final Year Project (Project Report)

Uncontrolled Keywords: Programmable controllers, Laplace transformation

Subjects: [T Technology > TJ Mechanical engineering and machinery](#)

Divisions: [Library > Projek Sarjana Muda > FTKEE](#)

Depositing User: [Sabariah Ismail](#)

Date Deposited: 22 Mar 2022 02:14

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URI: <http://digitalcollection.utem.edu.my/id/eprint/25319>

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Advanced Search

Don't panic! Just leave the fields you don't want to search blank. [Click here for a simple search.](#)

Documents:	all of ▾	<input type="text"/>	<input data-bbox="2015 539 2040 558" type="button" value="?"/>
Title:	all of ▾	<input type="text"/>	<input data-bbox="2015 586 2040 605" type="button" value="?"/>
Authors:	all of ▾	<input type="text"/>	<input data-bbox="2015 634 2040 652" type="button" value="?"/>
Abstract:	all of ▾	<input type="text"/>	<input data-bbox="2015 681 2040 699" type="button" value="?"/>
Date:	<input type="text"/>		<input data-bbox="2015 728 2040 746" type="button" value="?"/>
Uncontrolled Keywords:	all of ▾	<input type="text"/>	<input data-bbox="2015 775 2040 793" type="button" value="?"/>
Subjects:	<div>A General Works ...AC Collections. Series. Collected works ...AI Indexes (General) ...AM Museums (General). Collectors and collecting (General) ...AS Academies and learned societies (General) ...AZ History of Scholarship The Humanities B Philosophy. Psychology. Religion ...B Philosophy (General) ...BC Logic ...BD Speculative Philosophy ...BF Psychology ...BH Aesthetics Any of these ▾</div>		<input data-bbox="2015 836 2040 855" type="button" value="?"/>
Item Type:	<div><input type="checkbox"/> Final Year Project <input type="checkbox"/> Artefact <input type="checkbox"/> Show/Exhibition <input type="checkbox"/> Composition <input type="checkbox"/> Performance <input type="checkbox"/> Image <input type="checkbox"/> Dataset <input type="checkbox"/> Experiment <input type="checkbox"/> Teaching Resource <input type="checkbox"/> Collection of Newspaper Cutting <input type="checkbox"/> Vice Chancellor Speech <input type="checkbox"/> Technical Report</div>		<input data-bbox="2015 1200 2040 1219" type="button" value="?"/>

1. Click on 'Search Repository'

2. Enter keywords in the search field

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The list of search result will be display

Title matches "science"

Displaying results 1 to 17 of 17.
[Refine search](#) | [New search](#)

Order the results:

Export 17 results as RSS 1.0 Atom RSS 2.0

1. Abdul Rahim, Raha (2019) [Majlis Penutup Microsoft Professional Program Data Science](#). [Vice Chancellor Speech] (Submitted)
2. Perpustakaan Laman Hikmah, Unit Rujukan (2019) [Science Direct & Scopus Training 2019](#). [Image] (Submitted)
3. Ibrahim, Zulkiflie (2019) [Perasmian Penutup Microsoft Professional Program Data Science](#). [Vice Chancellor Speech] (Submitted)
4. Abdul Wahab, Zulfanizam (2019) [Development Of Science Project For Sekolah Padang Temu](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)
5. Shahrin, Sahib (2016) [National Science Competition For Melaka State](#). [Vice Chancellor Speech] (Submitted)
6. Chong, Cai Ning (2015) [Desicion Tree & Regression In Academic Innovation And Science Research](#). Project Report. UTeM, Melaka, Malaysia. (Submitted)

3. Click on the title to view detailed bibliographic information

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Development Of An Electronic Educational Quiz Board That Test Student Knowledge On Laplace Transform

Ahmad Zaghlul Basha, Fitrah Nur Hidayah (2019) *Development Of An Electronic Educational Quiz Board That Test Student Knowledge On Laplace Transform*. Project Report. UTeM, Melaka, Malaysia. (Submitted)

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Abstract

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Item Type: Final Year Project (Project Report)

Uncontrolled Keywords: Programmable controllers, Laplace transformation

Subjects: [T Technology](#) > [TJ Mechanical engineering and machinery](#)

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Title:	all of ▼	<input type="text"/>	
Creators:	all of ▼	<input type="text"/>	
Keywords:	all of ▼	<input type="text"/>	
Item Type:			

<input type="checkbox"/> Final Year Project	<input type="checkbox"/> Audio
<input type="checkbox"/> Show/Exhibition	<input type="checkbox"/> Teaching Resource
<input type="checkbox"/> Image	<input type="checkbox"/> Vice Chancellor Speech
<input type="checkbox"/> Video	<input type="checkbox"/> Other
<input type="checkbox"/> Buletin	

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Browse by Year

Please select a value to browse from the list below.

• 2022 (1)	• 2014 (667)	• 2006 (497)
• 2021 (58)	• 2013 (738)	• 2005 (389)
• 2020 (186)	• 2012 (514)	• 2004 (124)
• 2019 (1167)	• 2011 (655)	• 2003 (11)
• 2018 (995)	• 2010 (806)	• 2002 (14)
• 2017 (1233)	• 2009 (1072)	• 2001 (6)
• 2016 (1035)	• 2008 (965)	• 2000 (2)
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Please select a value to browse from the list below.

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 - [A General Works](#) (53)
 - [AC Collections. Series. Collected works](#) (33)
 - [AI Indexes \(General\)](#) (22)
 - [AM Museums \(General\). Collectors and collecting \(General\)](#) (1)
 - [AS Academies and learned societies \(General\)](#) (16)
 - [AZ History of Scholarship The Humanities](#) (2)
 - [B Philosophy. Psychology. Religion](#) (12)
 - [B Philosophy \(General\)](#) (10)
 - [BF Psychology](#) (9)
 - [BP Islam. Bahaism. Theosophy. etc](#) (3)
 - [D History General and Old World](#) (1)
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 - [G Geography \(General\)](#) (41)
 - [GA Mathematical geography. Cartography](#) (2)
 - [GB Physical geography](#) (2)
 - [GE Environmental Sciences](#) (2)
 - [GF Human ecology. Anthropogeography](#) (1)
 - [GT Manners and customs](#) (3)
 - [GV Recreation Leisure](#) (8)
 - [H Social Sciences](#) (1213)
 - [H Social Sciences \(General\)](#) (978)
 - [HB Economic Theory](#) (83)
 - [HC Economic History and Conditions](#) (22)
 - [HD Industries. Land use. Labor](#) (307)
 - [HD28 Management. Industrial Management](#) (5)
 - [HD61 Risk Management](#) (5)
 - [HE Transportation and Communications](#) (10)
 - [HF Commerce](#) (684)
 - [HF5601 Accounting](#) (1)
 - [HG Finance](#) (42)
 - [HJ Public Finance](#) (2)
 - [HM Sociology](#) (15)
 - [HN Social history and conditions. Social problems. Social reform](#) (3)
 - [HT Communities. Classes. Races](#) (19)
 - [HV Social pathology. Social and public welfare](#) (8)
 - [J Political Science](#) (1)
 - [J General legislative and executive papers](#) (1)
 - [JQ Political institutions Asia](#) (1)
 - [K Law](#) (7)

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Browse by Division and Year

Please select a value to browse from the list below.

- [University Structure](#) (13321)
 - [Centre for Languages and Human Development](#) (38)
 - [Department of Islamic Studies and Humanities](#) (34)
 - [Department of Languages](#) (3)
 - [Faculty of Electrical Engineering](#) (75)
 - [Department of Control, Instrumentation & Automation](#) (5)
 - [Department of Diploma Studies](#) (1)
 - [Faculty of Electronics and Computer Engineering](#) (73)
 - [Department of Computer Engineering](#) (6)
 - [Department of Industrial Electronics](#) (26)
 - [Faculty of Engineering Technology](#) (77)
 - [Department of Electrical Engineering Technology](#) (16)
 - [Department of Electronics & Computer Engineering Technology](#) (9)
 - [Department of Manufacturing Engineering Technology](#) (21)
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 - [Department of Manufacturing Process](#) (1)
 - [Department of Robotics and Automation](#) (1)
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