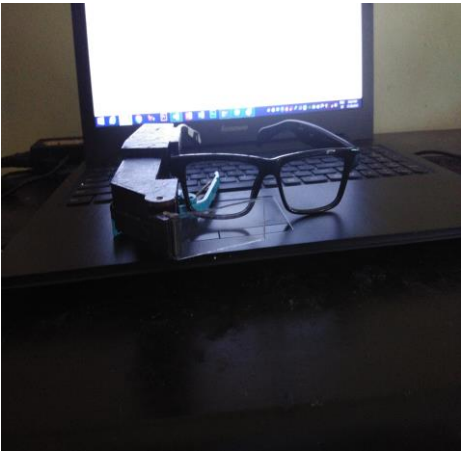


BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DIPLOMA KEJURUTERAAN ELEKTRONIK KOMUNIKASI (DEP)																
Jabatan <i>Department</i>	JKE																
Semester/ Tahun <i>Semester/ Year</i>	5																
Tajuk Projek <i>Project Title</i>	VIRTUAL REALITY NOTIFICATIONS USING ARDUINO WITH BLUETOOTH																
Jenis Projek <i>Type of Project</i>	SOFTWARE AND HARDWARE																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	Tanda “ / ” pada yang berkenaan: Please tick “ / ” where applicable: <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td style="width: 30px;"></td><td>Sains tulen (<i>Pure Science</i>)</td></tr> <tr><td></td><td>Sains gunaan (<i>Applied Science</i>)</td></tr> <tr><td></td><td>Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)</td></tr> <tr><td></td><td>Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)</td></tr> <tr><td></td><td>Sains sosial (<i>Social Sciences</i>)</td></tr> <tr><td></td><td>Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)</td></tr> <tr><td></td><td>Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)</td></tr> <tr><td>/</td><td>Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)</td></tr> </tbody> </table>		Sains tulen (<i>Pure Science</i>)		Sains gunaan (<i>Applied Science</i>)		Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)		Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)		Sains sosial (<i>Social Sciences</i>)		Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)		Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)	/	Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)
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Ahli Kumpulan <i>Group member</i>	1. Name: MOHAMMAD TAUFIQ SYAHMI BIN HARUN No. Identification card: 14DEP16F1015 2. Name: MUHAMAD RUSTAM SAIFUDDIN BIN OTHMAN No. Identification card: 14DEP16F1005 3. Name: No. Identification card:																
Penyelia <i>Supervisor</i>	Name: SITI HASMAH BINTI JAMALI No. Identification card:																
Penyelia Bersama Co- <i>Supervisor</i>	1. Name: No. Identification card:																

Abstrak <i>Abstract</i>	VIRTUAL REALITY NOTIFICATIONS USING ARDUINO WITH BLUETOOTH is designed for people who are constantly always looking for smartphone to see any new notifications. Seeing a phone while doing a job can cause an accident. Accident can occur when not focusing on work. This project proposed to display notification that is message and incoming call at the OLED Display without holding handphone. Using bluetooth to communicate between handphone/device. The system is realized using Arduino Pro Mini, which is programmed to control all the operated circuit. As a result, this project successfully combines the use of OLED screens, bluetooth, and battery chargers, for employees who are very busy with their work so involving safety like TNB technician. This project is also very helpful for TNB employees because it is not necessary to hold a mobile phone if the notification goes in.
Keyword <i>Keyword</i> (max 5 word)	Augmented reality
Objektif Projek <i>Project Objectives</i>	I. User can see notification while do work without holding smartphone II. Using bluetooth to send data from smartphone to virtual reality glass
Skop Projek <i>Project scope</i>	I. Virtual reality notification cannot display more than ten character II. Only function with virtual reality notification app only III. Virtual reality app work on android device only IV. Bluetooth range under 7meter V. Using 5v dc
IP No	nil
Dapatan <i>Finding</i> (500 words max)	From the experiment, the virtual reality glass : 1. Can display the notifications from user's smartphone. 2. The notifications it can only display is call and whatsapp notifications. 3. The virtual reality glass app must install in the smartphone to communicate.

Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work (500words)</i>	There are some improvements need to be done to get a more attractive and compact design : 1. Use more advance OLED screen than has multicolour and can show picture. 2. Change from Bluetooth to Wifi so it can long range connectivity. 3. Make the casing smaller to look sleek and futuristic.	
Gambar berkaitan projek <i>Picture related to project (700kb)</i>	 <i>Figure 1</i>	 <i>Figure 2</i>
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa <i>Departments / Institutes / National / International</i>	

** Borang ini perlu diisi oleh pelajar dan dihantar kepada penyelia/ penyelarass projek dalam bentuk hardcopy dan softcopy (borang LAMPIRAN J dan gambar hasil projek dalam format jpeg/bitmap) bersama laporan akhir dan hasil projek.*

