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|  | **جامعة:** | **المنيا** | **كلية:** | **الهندسة** |  |
| **البرنامج:** | | برنامج الميكاترونات والروبوتات الصناعية | **النظام الدراسى:** | **الفصلين الدراسيين** |  |
| **كود:** | MREn414/  MREn424 | Mechatronics and Robotics Program | **الساعات المعتمدة** | 8ساعات |
| **التخصص**  **العام:** | | هندسة الميكاترونات والروبوتات الصناعية | **التخصص الدقيق:** | الأنظمة المدمجة | |
| Mechatronics and Robotics Engineering | Embedded Systems | |
| **عنوان المشروع:** | | مترجم لغة الإشارة | | | |
| Sign Language Translator | | | |
| **فكرة المشروع:** | | | | | |
| This project aims to make the communication easier for the deaf and mute group with those around them.It is a prototype that makes the deaf and mute group able to introduce themselves to other people, and it will facilitate the process of communicating with others, and thus this will make the deaf and mute more effective in society in general, These gloves will help in translating sign language into spoken and written words on a screen and can also be heard out loud. | | | | | |
| **أهم النتائج:** | | | | | |
| The prototype we made was able to translate the sign language of all numbers and all the Arabic and English alphabets we had some draw backs at first, but we were able to solve them under our current project budget, The prototype also can translate the sign language of some English and Arabic words which their datasets was found and collected. | | | | | |
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| **Figure [1]:** Detecting the number 2 (Laptop Screen) | | | | | |
|  | | |  | | |
| **Figure [2]:** Detecting the letter B (Laptop Screen) | | | | | |
|  | | | | | |
| **Figure [3]:** Detecting the letter A (OLED Screen) | | | | | |
| **نقاط التميز والتفرد للمشروع إن وجد** | | | | | |
| The Project has translated all the expected results (All English Numbers, Alphabets and some words) and more (All Arabic Alphabets and some words), so I guess that is the thing that makes it unique that it we accomplished and translated more than we expected. | | | | | |