***Work plan For Sign Language Detection***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Time**  **Works** | **Week-1** | **Week-2** | **Week-3** | **Week-4** | **Week-5** | **Week-6** | **Week-7** | **Week-8** |
| Literature Review |  | | |  |  |  |  |  |
| Dependencies |  |  |  |  |  |  |  |  |
| Key-points using MP Holistic |  |  |  |  |  |  |  |  |
| Extract Key-point Values & folders for collection |  |  |  |  |  |  |  |  |
| Data Collection |  |  |  |  | |  |  |  |
| Data Processing and create labels |  |  |  |  | | |  |  |
| Train in Deep Learning SSD model & make prediction |  |  |  |  |  |  |  |  |
| Build and train LSTM Neural Network & make prediction |  |  |  |  |  |  |  |  |
| Save weights |  |  |  |  |  |  |  |  |
| Evaluation(Confusion Matrix & Accuracy) |  |  |  |  |  |  |  |  |

Karishma

<https://arxiv.org/ftp/arxiv/papers/2201/2201.01486.pdf>

Simon

<https://www.researchgate.net/publication/361079073_Deepsign_Sign_Language_Detection_and_Recognition_Using_Deep_Learning#:~:text=Deep%20learning%20models%2C%20namely%2C%20LSTM,with%20our%20own%20dataset%2C%20IISL2020>.

Shazia

<https://www.researchgate.net/publication/357622360_Real_Time_Sign_Language_Detection>

All

<https://reader.elsevier.com/reader/sd/pii/S2667305321000454?token=D3C70174A3E15EEB206872DFA2555D953232731388076250FA2E95A69923C8B8A623CA97EBDA52D760E42007CFC573A7&originRegion=eu-west-1&originCreation=20221103100203>