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| **MEETING PARTICIPANTS** | |
| **CORE TEAM** | Molly Meadows  Xian Gao |
| **OTHERS** | Dr. Aleksandar Vakanski |
| **MEETING LOGISTICS** | Agenda: See below  Meeting conducted: Zoom videoconference |
| **MEETING CONTENT** |  |

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| **MEETING SUMMARY** |
| **Agenda**   1. **Present Progress with Preparing the Data for NN** 2. **Revisit the Alternate Tasks** 3. **Discuss Next Steps for the Project** |
| **Notes**   * Instead of training a new dataset we are creating with Openpose on the dimensionality reduction autoencoder network, we are using OpenPose joint information and using the Spatiotemporal Network for Vicon   + Open pose data will have 75 dimensions (x,y,z for 25 joints per frame) instead of the 117 dimensions that the Vicon data has. * Refer to this paper to match the OpenPose Joints to the Vicon Joints (Focus on right and left arm, right and left leg, and body joints)   + [**https://www.webpages.uidaho.edu/ui-prmd/Vakanski%20et%20al%20(2018)%20-%20A%20data%20set%20of%20human%20body%20movements%20for%20physical%20rehabilitation%20exercises.pdf**](https://www.webpages.uidaho.edu/ui-prmd/Vakanski%20et%20al%20(2018)%20-%20A%20data%20set%20of%20human%20body%20movements%20for%20physical%20rehabilitation%20exercises.pdf)   + **(Page 9)** |
| 1. **Xian will Extract the positional data from Vicon and Kinect to compare to the quality scores we will get from OpenPose** 2. **Molly and Noah will rework the OpenPose data to match with the SpatioTemporal Network for vicon to get quality scores**    1. **Add a Z point to all the data**    2. **Match the main five body parts to that of Vicon**    3. **Change some of the script of the Spatio Neural Network to match our OpenPose data**    4. **Eventually automate code to run all videos on neural network** |
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