

Technical University, Sofia, Bulgaria (17th June, 2018 to 28th July, 2018)

| Sr. No | Project Title | Branch | Project Guide |
|--------|--|----------|-----------------------|
| 1 | Augmented Reality Touring | ExTC | Dr. Agatha Melanova |
| 2 | Sound System interface using Augmented Reality | ExTC | Dr. Agatha Melanova |
| 3 | Virtual Conducting and Music Composition using Leap Motion | ExTC | Dr. Agatha Melanova |
| 4 | Concert Sound Management using Myo Armband and Leap motion | ExTC | Dr. Agatha Melanova |
| 5 | Conformity Assessment of Overspeed governor according to Lift directive 2014/33/EU | Mech | Dr. Kalin Chuchuganov |
| 6 | Design of Progressive Safety Gear | Mech | Dr. Kalin Chuchuganov |
| 7 | Home Automation using Myo armband (Gesture Regulation) and simulation with VR | Computer | Dr. Agatha Melanova |
| 8 | Logistics of Vertical transportation in a building | Civil | Dr. Kalin Chuchuganov |
| 9 | Developing a synchronised fight sequence in augmented reality using unity engine and vuforia | Computer | Dr. Agatha Melanova |
| 10 | Creation of a Labyrinth in a virtual reality for Oculus Rift/ HTC Vive using Unreal Engine 4 | Computer | Dr. Agatha Melanova |
| 11 | Simulation of a Carnival scene in unity consisting of 4 interactive games compatible with leap motion sensor and oculus | ExTC | Dr. Agatha Melanova |
| 12 | Development of a game portal for specially abled children to enhance cognitive learning skills using unreal engine 4 and leap motion sensor. | ExTC | Dr. Agatha Melanova |
| 13 | Scanning, Modelling and Animating intricate real life objects to obtain virtual world compatible digital assets | Computer | Dr. Agatha Melanova |
| 14 | Scanning and modeling a 3D avatar of yourself, rigging it and assigning weights to execute advanced animation sequences | Computer | Dr. Agatha Melanova |
| 15 | Muscle Fatigue Detection using Myo | Computer | Dr. Agatha Melanova |