

Success Story

Transformation of Student to Entrepreneur

We are alumni of Information Technology department (M.Bhavani Devi & S.Sai Naveena Sri) from the batch 2016-2020. While pursuing our regular course, we had a thought to do something note-worthy for our society with technological support but we didn't had any idea initially, at that time we guys attended two day's workshop on Virtual Reality applications in Cognitive Science (27th & 28th September 2017) conducted by CSRG (Cognitive Science Research Group) with Industrial expert M/S.Kewaunee Labway India Pvt Ltd. That workshop experience explored this technology which is new to us. This initiated us to join in CSRG SIG in second year (3rd semester) under the guidance of Dr.D.TamilSelvi. Initially, we don't have any clear cut interpretation like 'how to start' or 'where to start'. At the time, we attended regular meeting conducted by our seniors, they guided us to pursue this technology further more.

Later we undergone intensive training in college as the student internship project under CSRG SIG as a part of Summer Intern (May 2018). As our SIG got DST-CSRI (Department of Science & Technology- Cognitive Science Research Initiative) funded Project titled "Virtual Reality based Cognitive Rehabilitation for Autism Children to improve their Social Behavior" with the research grant, virtual reality and augmented reality lab is setup under the SIG. On regular basis, we visited Autism school/Centre and interacted with autism children, special educators, doctors and therapists to know the major difficulties faced by the autistic children in their daily activities. By this observation, we got a clear vision of "How to improve the autism children for their daily basis activities with the help of AR/VR technology".

Based on the requirements, we guys created an android application with AR technology. Initially we demonstrated application to the doctors/therapists /special educators / parents. Next by Implementing this application to these autistic children (with Doctor's guidance) brought notable improvement in their activities, when compared to traditional method of learning. We also undergone student internship project under CSRG as a part of Summer Intern (May 2019). We got 3 day's intern (26th to 28th August 2019) at Kewaunee Labway India Pvt Ltd in the area of Virtual Reality. We had implemented Mini project based on our TCE class room & our CSRG lab bringing up in Virtual Reality. As a student coordinator, gave hands-on Training Workshop on "Virtual Reality & Augmented Reality" with the help of Academic experts from IIT Madras, Industry Experts from M/s. Kewaunee Labway, Bangalore on the 3rd and 4th October 2019.

Apart from this, we bagged internship (4th to 10th December 2019) at M/s. Kewaunee Labway Private Limited, Bangalore, Karnataka for one week and hired for placement. We had also organized summer internship program for junior students for a week during the month of Dec 2019. We had brought out a publication on “Cognitive Rehabilitation for Autism Children Mental Status Observation using Virtual Reality based Interactive Environment” in Springer IHSI (Intelligent Human System Integration) Meet held at Italy during the month of Feb 2020.

We both got internship and worked under the guidance of Dr.Kaushal Kumar Bhagat, Assistant professor, Centre for Educational Technology, IIT Kharagpur for the duration of two months (Feb- March 2020) and also got internship in Department of Design, IIT Hyderabad. During this Covid-19 lockdown we are much fortunate to learn the Coursera courses sponsored by TCE, and enrich our knowledge in AR/VR technology. We have next publication during Covid-19 lockdown on “MIVRA (Mental Immersion in Virtual Reality Avatar) - Social Communication Rehabilitation Assistive Tool for Autism Children” in Springer ICIICT 2020 Meet held at NUS, Singapore during the month of December 2020. After IIT internship, we have explored the possibilities of bringing about more ideas by converting a project into product. This made us to Startup the company with AR/VR technology with a mission of giving technology based therapy for autistic children with the great encouragement and support from TCE-TBI.

We are very glad to thank TCE-TBI support for guiding us to start TXR (Thiagarajar eXtended Reality) Solutions with effect from 1 December 2020. Hope we will make our concern as a Benchmark for the new startups.