Teacher in the classroom may have a chance to meet the disabled students and students with Attention Deficit Hyperactivity Disorder (ADHD). Students with Attention Deficit Hyperactivity Disorder (ADHD) are those who are affected by the neurological disorder and it results to inattention, hyperactivity and impulsivity. It is the duty of teacher in the classroom to make their students' attention to the teaching. But due to disorder, students with Attention Deficit Hyperactivity Disorder (ADHD) are unable to give attention in class while teaching in the normal method. At this juncture, technology-enhanced teaching will be helpful for the students with Attention Deficit Hyperactivity Disorder (ADHD) to pay attention to the teacher and helpful for them to follow the concept. The main and foremost objective of this study is to assess students with Attention Deficit Hyperactivity Disorder (ADHD) through animated video. This study was conducted with 15 students who showed inattention studying in IX standard at Government Higher Secondary School, Randham village in Tamilnadu. Investigators' observation cum closed-ended questionnaire was used in the process of data collection. The investigator used animated video to identify the students with Attention Deficit Hyperactivity Disorder (ADHD). The data thus collected are analysed and tabulated. The results indicated that out of 15 students, only 3 samples scored low marks and they are categorised as students with Attention Deficit Hyperactivity Disorder (ADHD) because of their inattention. So, this study will be helpful for the teachers to assess ADHD students with the help of animated video along with other non-animated assessment tools.