Depression -- tick

Anxiety --tick

Eating disorders – can be skipped

Addiction -- tick

Suicide – will see

**What global challenge will your team address? We encourage student teams to consider the Global Goals as part of their strategic approach.**

Good Health and well being .

## United Nations : Convention on the Rights of the Child

## Article 29 : (excerpt)---The development of the child's personality, talents and mental and physical abilities to their fullest potential;

**In approximately 300 words, describe the global challenge and explain why your team is interested in it and why it is important to resolve it.**

# “Child is the father of man “ -- William Wordsworth . Every individual is the product of their habits and behavior developed in childhood. Having a healthy life , is right of every child . However , there are many children and youth who struggles within themselves due to mental illness . School aged children’s psychological illness have higher risk of mental health disorders , physical health diagnosis and behaviors such as violence, anxiety, depression, substance abuse and bullying, among others. Often the mental illness goes unnoticed , as there are many students in class it is difficult for teachers to always immediately identify any sign of mental illness which is not severe . Among various problems the individual faces , the most challenging is fear of approaching teachers or friends for help. Hence the magnitude of the illness increases with time leading the kid towards a negative life . Every mental illness has different symptoms and some are so silent that sometime it becomes impossible for the person to even realize that there is a problem . We believe lot of world problems like gun violence , suicide , addiction is due to undetected mental illness in childhood. It is extremely important to identify the illness at its early stage to build a better life and consequently a heathy society. Not only detecting early signs will prevent from the severity of illness to happen but also it will build a great nation of brilliant minds , talented workforce and better economy . As very well said by Thomas Keneally -- “Whoever saves one life, saves the world entire.”

**In approximately 400 to 800 words, provide a brief outline of your team's unique solution to address the chosen global challenge**.

What if parents could have stopped their kids from committing suicide? What if no kid ever lost themselves due to depression ? What if no one has to loose their child in school gun violence ?

“What if “ , two words when placed together unleashes tons of most desired wishes of human kind . Every parent who has kids with mental illness like depression , anxiety , addiction has always felt , what if they had identified the what is going on in their kid’s mind earlier. Our solution is to identify the early signs and raise alarm so that help could be provided when it is most needed. Mental health like physical health also needs regular check-up , with our proposal we hope to incorporate regular monitoring of mental health in school kids via simulation computer games which will ask them to react for situations . Every reaction will be stored and used to identify any sign of mental health concern. Every game will be targeted to identify specific mental health issue , like depression , anxiety , addiction. We hope to develop a machine learning model which will generate a report with the kids reactions to those situation and what it signifies about their mental health . Games will be designed after consulting with psychiatrists and specific age group will have specific simulation of situations. It will help teacher to identify kids with early signs of mental illness and they can reach out for helping the kid , also preventing the illness to take severe turn . The machine learning model will automate the detection procedure and enhance the overall support system of every school. The recorded data which will be further analysed to future research and further development of the machine learning model . To implement this in school , it only needs basic computers , internet and even if the school does not have sufficient computers then also the session of game simulation will be 15 mins per student ,and it can be rotated among students of each class so that every month at least every student should play the simulation . The simulations will be online , so that there will be no need of any installation of specific software , it can be easily upgraded with time . This will need parents’ help and permission as we wish this to be mandatory as part of school’s curriculum . We believe that mental health awareness and check-up should be integrated in school experience. We do not want the students to panic or if anyone is already suffering from depression then they will not want to participate hence this should be seamlessly offered to students as part of their school’s curriculum . Implementing this in every school in world not only detect early signs of mental illness but also save millions of students and youth from drastic steps which causes extreme damage to their lives and also society .