

# SUMISSION OF INTRODUCTORY REMARKS.

PREFCTURE : ANDAMAN & NICOBAR ISLANDS

COUNTRY: INDIA

SCHOOL : GOVT. MODEL. SR. SEC. SCHOOL, ABERDEEN, PORT BLAIR

NAME OF THE MEMBERS : Chanchal Dey (39 years)(leaders), A Jonarthan (15 years), Shubham Dubey (14 years), J Rakesh (15 years), Varun Selvaraj (14 years), T Praveen (15 years), Jujjavarapu Krupa Joel (14 years).

**Introduction:** Particularly The Andaman & Nicobar island falls Particularly under seismic zone -5 and always the situation remains vulnerable as to any point of time one can experience tsunami, cyclone and land slide. Mother Nature always helps us in order to survive in a good condition and this is not controlled by the human being but the respect and care that a human being give to the nature is always lacked. As a result we face the anger of the nature in a form of disaster and this disaster always show its maximum limits and cause major damage. The level of maximum damage is always seen by the human being but the maximum damage caused by the human being for the Mother Nature is never seen. In order to overcome this main point we should keep in our mind that we have to respect the nature, to safeguard and to protect. After natural disaster it comes under everyone's mind that "How to settle the life "? From the beginning of the day of disaster, every victim comes under trauma and how to make them overcome from the trauma is a great challenge for everyone . And how can we live a normal life and overcome from the stressful situation.

The team led by our guide teacher Shri Chanchal Dey and students P saravanan, has developed a model "Disaster saver : a life saving kit". Disaster saver can save the life of a person at the time of distress in sea , for many days. it is spherical in structure and made of bamboo , cane and kevadi .It is very cheap and affordable for poor people also.

It contains first aid kit, basic material and water container . When the water inside the container gets exhausted , we can use solar mechanism, which converts salt water into pure water by the process of simple distillation . It works on the principle of buoyancy and surface tension . it has been provided with center of gravity by which it maintain its position even after attack of strong waves and tides. It rotates and comes to initial position. it has been painted with red colour which can be seen from far away . SOS which stands for save our soul is marked on it with fluorescent colour. it has been provided with a gate through which we can go inside and it is airtight inside it. It has a holding pipe and the inner surface is coated with sponges which protects us from getting injured or hurt . If Tsunami occurs and a person in distress finds the kit then he can use it as savior. The kit keeps on floating in the turbulent water. There is a laser system in the kit by which the signal can be noticed by the rescue team. In addition to this it contains smoke candles to send signals . It also contains magnetic compass through which the victim inside can locate his position. If the person inside the system dies or any causality occurs , definitely the system will touch the sea shore. The rescue team can know about the person by the help of Aadhar card or identity card present on the surface of the system

The historical moment for the islands came when the Hon'ble Prime Minister Shri.Narenredra Modi inaugurated the Kishor vaigyanik sammelan at the university of Mysore , Karnataka on 3<sup>rd</sup> January 2016. In his address the Hon'ble PM called upon the Kishor vaigyanik to apply their creativity for devising tools for the society. Scientists and noble Laureates from across the globe were invited for the event . They too were impressed seeing the model and asked the guide teacher to get it patent and develop it further . They brought laurels to the island with this achievement

Further 'disaster saver life saving kit ' , has been tested by the eminent scientists at Periyar science and technology institute Chennai on 29<sup>th</sup> may 2016. The model has come to the expectation level of scientists. Professor DM Mamatha of Tirupathi university and professor D . Narsimhan have been deputed mentors for the project . Now the model is further being upgraded by the mentors to make it qualify for the next level which is to be held at New Delhi .if the project get selected in the next level then it will be sent to USA .

Thanking you sir