**Eco Brick project**

**16-03Project proposal**

* What are the things available till now
* Introduce your idea
* How environment can be benefited and decorated
* How people can be benefitted in terms of mental well-being and finance
* Showing future aspect of the whole project to the partner associate

How nature can be benefited:

1. Reduction in random deposition of plastic, moreover plastics can be used in purpose
2. A practice towards Plastic product up cycling.
3. Plastic can be used to add beauty to nature rather than polluting it.
4. Marine ecosystem get endangered due to plastic deposition
5. safely secure plastic out of the biosphere

COME UP WITH SOME IDEAS TO IMPLEMENT: RECYCLE & UPCYCLE

* Ecobrick bridge ,Ecobrick boat
* Make a title and carry on work ppt/web design…

How mental wellbeing can be attached to this project:

1. Ecobrick is now a global idea and innovative ideas from adults as well as children can be implemented in real life. In return they can be benefitted in terms of financial support, education and placement as well because currently most of the industries are going forward to work in sustainable mode.
2. Making these Ecobricks is itself a long work which can be introduced as a extracurricular activity in school colleges. In this way children as well as adults will get a new interesting way to get them connected to nature. This will give them confidence to work further, to carry on. This tool certainly seems to have potential to fight stigma the Fijian people face before getting disgraced.
3. Exporting Ecobricks can be a very good option for making a funding for wellness Fiji association.

Overall, this eco bricks can be used for many engineering purposes like: In structuring walls, where burnt bricks are replaced by Eco bricks can reduce the cost in civil engineering view. In soft toy industries these piece of Eco bricks can be up cycled to give an adorable shape. In chemical engineering aspect this Eco bricks undergoing filtration and refining process might be used as a filler material.

* **Tackling suicides and maintaining Ecosystem healthy:**

Building resilience in youths using youth-friendly, positive, and empathetic and hope based approaches”

Advocate suicide prevention, reduce mental health stigma and encourage improvement in mental health throughout Fiji and the Pacific region.

Research how and how many young starts are mentally distressed because they had nothing to do, no inspiration to work and feeling to be negligible and shortage of money.

Working for making Eco bricks will give young stars a daily/weekly challenge to be indulged in. This will not only boost their self-confidence but also will help to maintain environment healthy and free from plastic. This campaign will give rise to experienced persons who have knowledge and experience to deal with eco bricks, can teach and encourage children in school to make more bricks. In this way a chain-reaction for building eco bricks can be made easily for better future.

It is proven that if a person is involved in a good practice or regular work or social platforms the percentage of being stigmatic becomes very less [ref:?]. This project not only seems to be helpful and worthy for children but aged people can also take part and do some meaningful work in their free time. This will help their health no to be inactive but also they will get a chance to meet children and other similar aged person which is certainly a good thing in this critical pandemic situation.

**Create Content**

● What plastic items will Fijian associate with the most?

● How can the workshops be both engaging and educational?

● How can your material be Fiji/Pacific specific?

**Floating bridge**:Ecobricks can contribute towards Namosi eco-retreat project. Ecobricks arranged in a linier pattern and connected together with strong rope or wire can make a bridge in a river.

The bridge will be formed with 2 layers: Bottom and Top layer with two different types of brick arrangement. In the bottom layer bricks will be aligned with an axis of the width of a river whereas the top layer will consist of bricks arranged with an axis of the length of the river. In the bottom layer the brick network will give upward thrust to balance the weight, the bridge will undergoing while giving flexibility towards the flow of river. This flexibility will reduce the stress on the bridge due to water flow as these bricks will rotate mitigating the flow thrust. The top layer brick network will give extra balance towards the weight as well as a surface to move.

Eco-brick boat: people can sail in the river making a large surface made of eco-bricks. The plastics put inside the eco bricks are low density plastics and these plastics are floatable in water and because of this ecobricks are able to float. Therefore, instead of making the hull made of metal or synthetic fibre ecobricks can be a very good replacement and the most interesting thing is that anyone can go for sailing in river with just making few ecobricks put together. There are several benefits of using this kind of boat and those are –

1. Eco-friendly, free of fibre and plastic.
2. Easy to make and cost effective
3. Portable (one can take it home and come back to river to use)
4. Really a good idea to teach young people how to swim and indulge them in a creative way can make their thoughts and free time better in perspective of mental as well as physical health.
5. Best for fishing as fishes get attracted towards colourful objects.

One block is illustrated here. Several blocks of the same pattern is to be merged to make the hull of the boat and it is obviously cheap and easy to make and the only thing that is required to make this is nothing but ecobricks.

How Mental Health in Fiji can be benefitted by this project

Add Ref Add policy add Idea add on going things and engage them

Bottle wall:fence, Island in water ,eco-house ,solution towards soil-erosion

#Focus on Environment; Engg helping Environment Aspect ; Engg and Env both facilitates MH.

#Work on Website : point based:video:picture::**Demo**