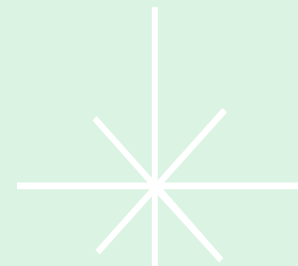


**Showcasing vetiver technology
Experiments, execution and
dissemination of knowledge of VS
technology at**



Blackberry Estate, Munnar, Kerala, India.



Vetiver Technology



1. Prevents sheet erosion
2. Preserve rain water
3. Stabilizes earth
4. Beautifies landscapes
5. Purify waste water
6. Keep away pests
7. Aromatic roots are used as room fresher
8. Leaves are used for thatched roof
9. Handicrafts to empower weaker section of society
10. Zero-risk Slope Farming

Vetiver to prevent sheet erosion



30-35% slope invites soil erosion



**Land in Blackberry Estate
before planting vetiver hedges**

Vetiver to prevent sheet erosion



VS Technology to prevent sheet erosion

- Human activity in slopes disturb soil
- During next rain, this loose soil will be washed away..to Arabian sea.
- As such, precious soil created by nature is lost forever within 24 hours!



Hedges created with vetiver grass can stop soil erosion.



Land stabilization

Blackberry Hills has used Vetiver to protect :

1. Slopes
2. Building sites
3. Pathways

Vetiver Technology can also be used:

1. For riverbank stabilization
2. To protect water tanks
3. To protect water canals
4. To protect lakes



Stabilizing buildings in fragile slopes

Vetiver grass planted near buildings and rubble work in fragile slopes can be protected by planting vetiver.

1. Vetiver stops soil getting eroded

2. Its roots provide additional strength to the rubble/ concrete foundation

3. Adds greenery



Pathway development in slopes

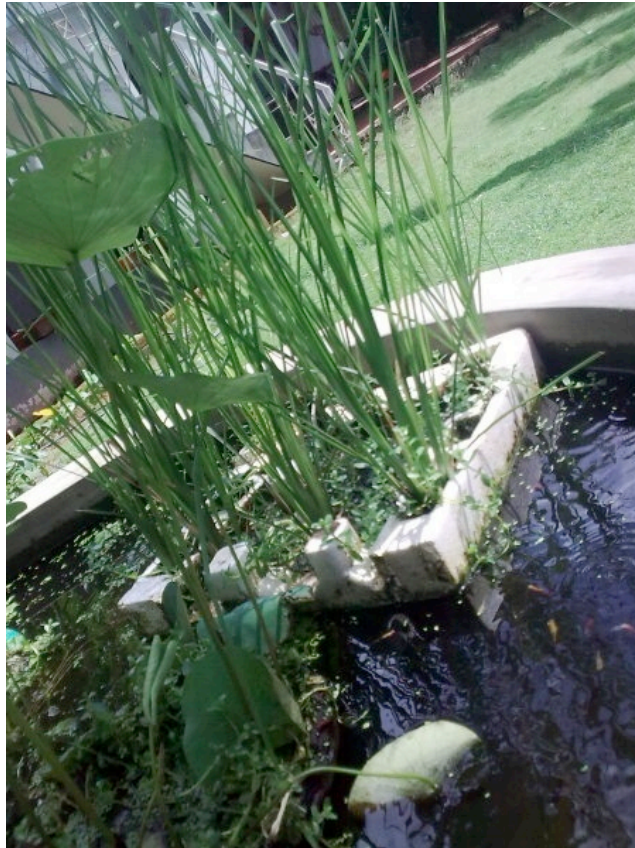
1. Vetiver planted in the higher side protect landslips
2. Vetiver hedges in the other side prevent soil erosion
3. Add greenery to the topography



Landscaping



Waste water treatment



Pest control

Presence of vetiver grass near vegetables reduces attack of caterpillars and other pests.

Vetiver leaves when used as mulch is found to resist pests damaging strawberries.



Organic strawberries embedded on vetiver mulch



Aromatic properties

Air freshner in a toilet



Roots of vetiver grass is aromatic and pest repellent.



Leaves used as a thatched roof

A vetiver grass is decorating dining table @ Blackberry Hills



Eco messages being passed on to guests



Zero-risk Slope Farming @ Blackberry Estate

- Age old technology reinvented
- Experimented and improved by Blackberry Estate
- Well show-cased to disseminate knowledge
- Economically viable
- Sustainable
- Organic

Land before and after technology application

Before planting vetiver



Six months after planting vetiver



Zero Risk Slope Farming

After 1 year of planting vetiver



Vetiver leaves trimmed to prepare ground



Zero Risk Slope Farming

Land preparation



Ready to plant vegetables



Zero Risk Slope Farming

Strawberry planted in the terrace



Cabbage planted in the terrace



TESTIMONIAL

INTRODUCING

**BLACKBERRY HILLS
MOUNTAIN ECO LODGES
OR
VETIVER ECO LODGES**

PAUL TRUONG



The Vetiver Network

EVERY CREATURE CONTRIBUTES TO THE
SUSTINANCE OF PLANET EARTH. WHY NOT WE,
HUMAN BEINGS?

PROJECT ENVISAGED AND EXECUTED BY
K.A.ABDUL SAMAD ON BHALF OF
BLACKBERRY ESTATE, MUNNAR, KERALA.

The logo for Blackberry Hills Retreat & Spa features the words "Blackberry Hills" in a green, stylized, cursive font. The letter "B" is significantly larger and incorporates a small green plant icon with three leaves. The word "Hills" also features a similar plant icon above the letter "i". Below "Blackberry Hills", the words "Retreat & Spa" are written in a smaller, black, sans-serif font.

Blackberry Hills
Retreat & Spa