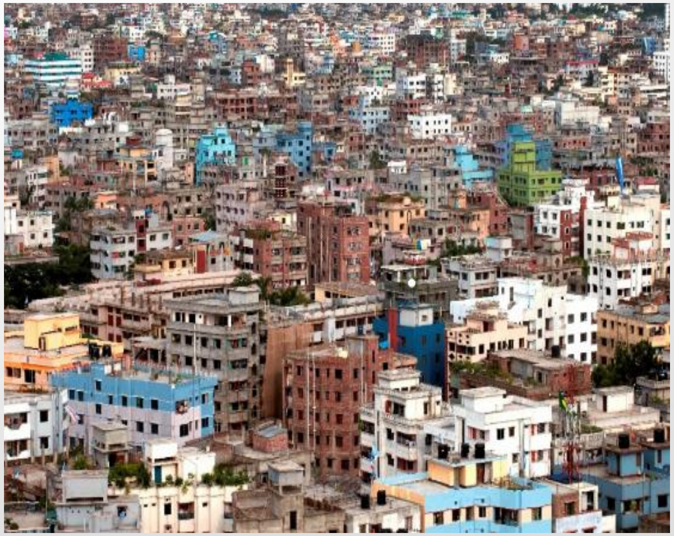
PANORAMIC VIEW THROUGH THE LENS OF HABITATS AND CONDUCIVE THINKING ASPECTS IN PROGRESS OF IMPROVISATION IN MUNNEKOLLALU

- Sonu Somanna P. N

- Nitish.S

Urbanization is the increasing number of people that migrate from rural to urban areas. It predominantly results in the physical growth of urban areas



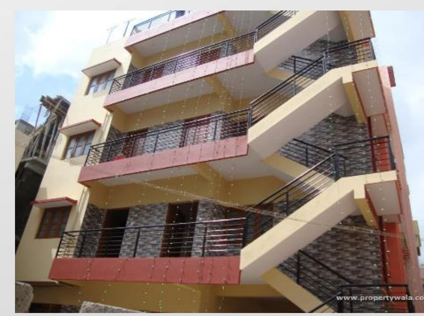
@ Google

Effects of Urbanisation:

@ Google

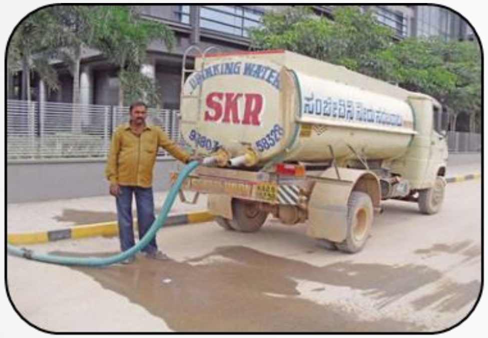
- Environmental Degradation
- Traffic congestion
- Lack of Adequate Water to meet the growing populate
- Unemployment
- Poor Health
- Human activities results in causing pollution
- Natural vegetation and undisturbed soil are replaced with concrete, asphalt, brick, and other impermeable surfaces. This means that, when it rains, water is less likely to be absorbed into the ground.
- There is also complete eradication of natural habitats
- Huge quantities of wastewater enter rivers.

Reasons for Urbanisation in Munnekollalu



Effects of Urbanisation in Munnekollalu

Waste disposal



Water scarcity

Pollution

Traffic congestion

Deforestation

STUDY AREA

It is the located at 12° 56'54.82"N, 77° 42'38.16"E with circumference of 10km.

@ Google

OBJECTIVE

To understand the urbanization pattern in Munnekollalu region, Bangalore

METHOD

- Using a tool 'Google Earth'.
- Collecting information from the Government officials - (Temperature, rainfall, Population, area)
- Gathering details from the residents of Munnekollalu. (Ground water level)

@ Google

Collection of information from residents

Study of Green Cover in Munnekollalu in 2002

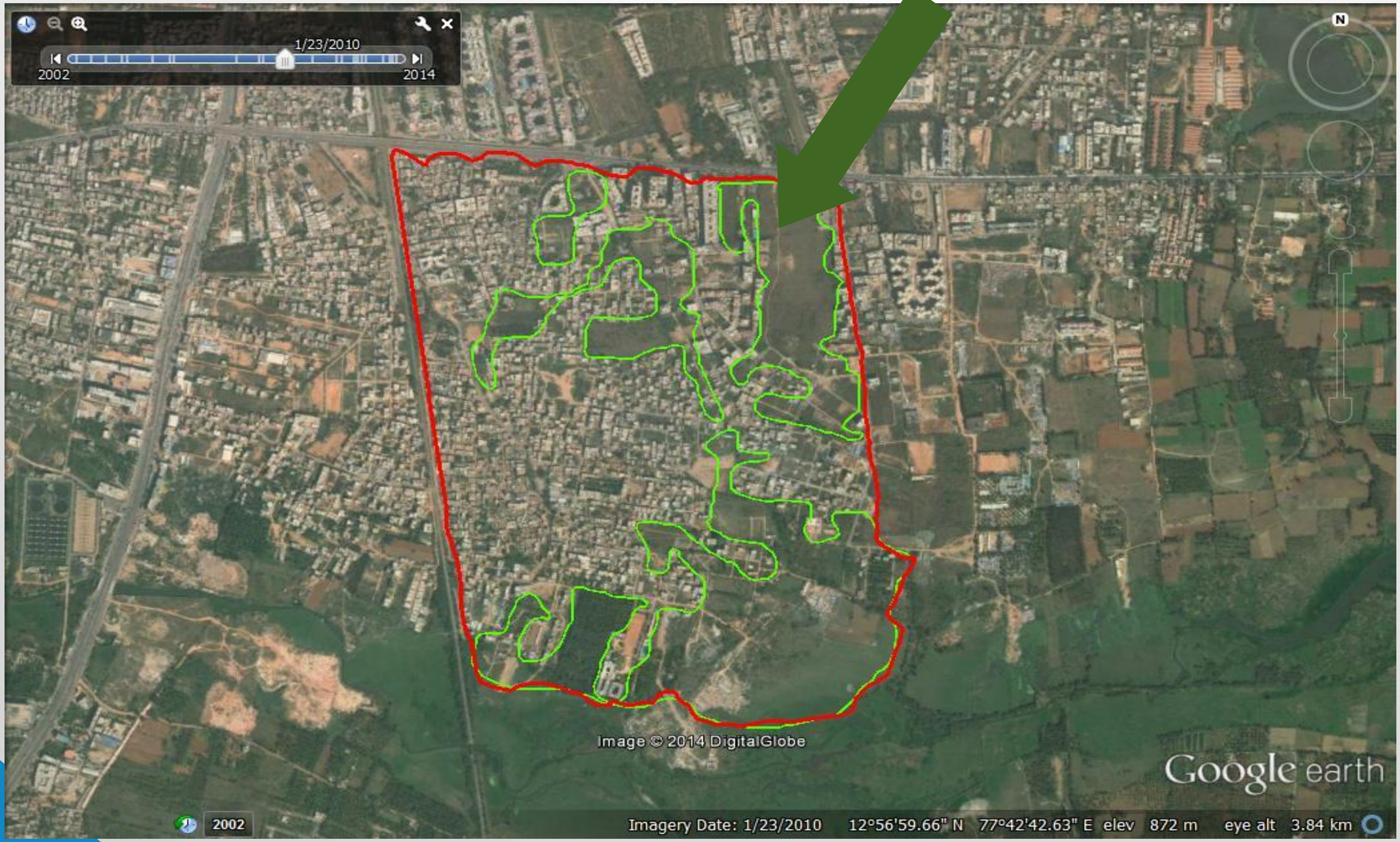
Green cover

Study of Green Cover in Munnekollalu in 2005

Green cover

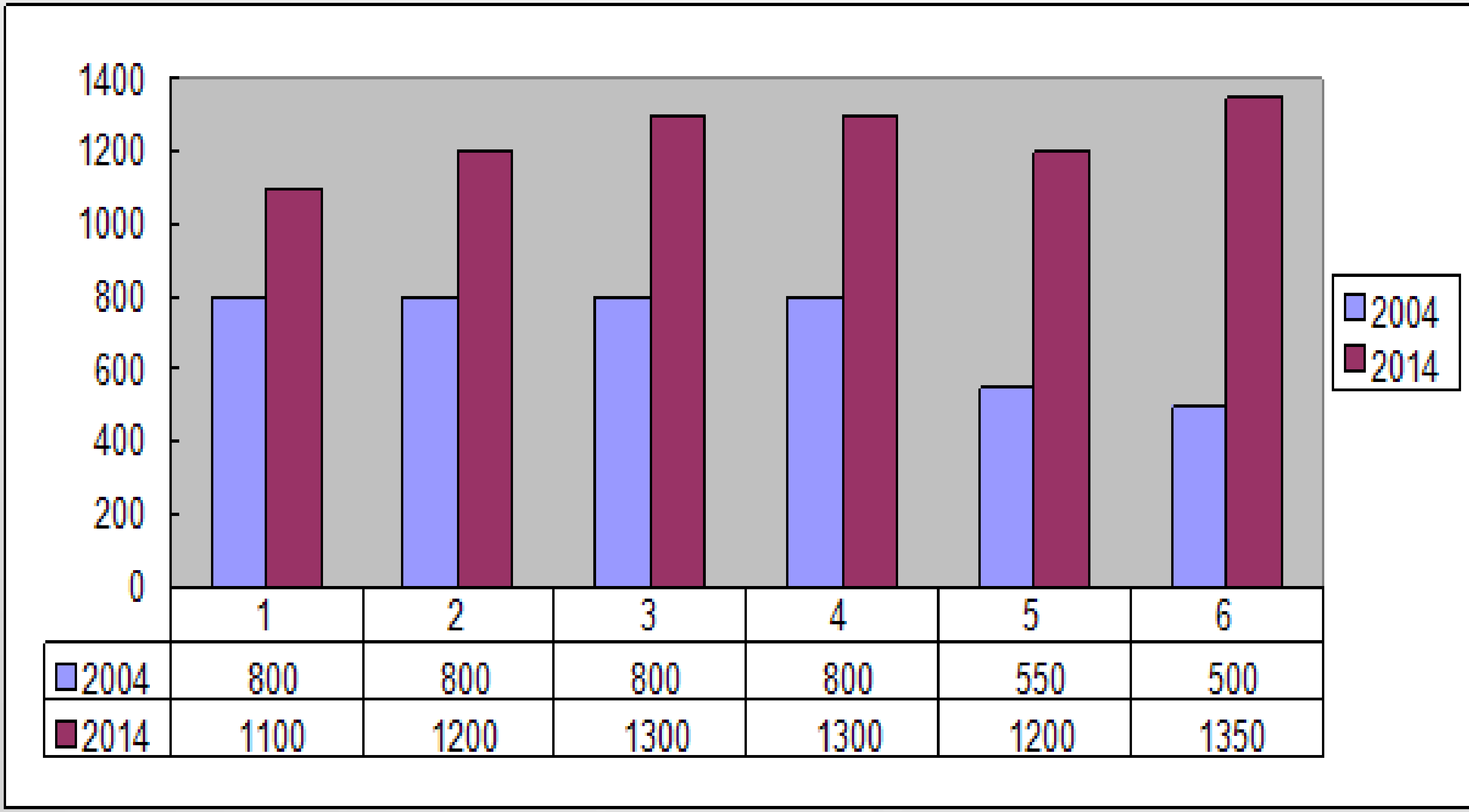
Study of Green Cover in Munnekollalu in 2010

Green cover



Study of green cover in Munnekollalu in 2014

Rapid Change in ground water level in Munnekollalu



Data collected from residents of Munnekollalu, Bangalore

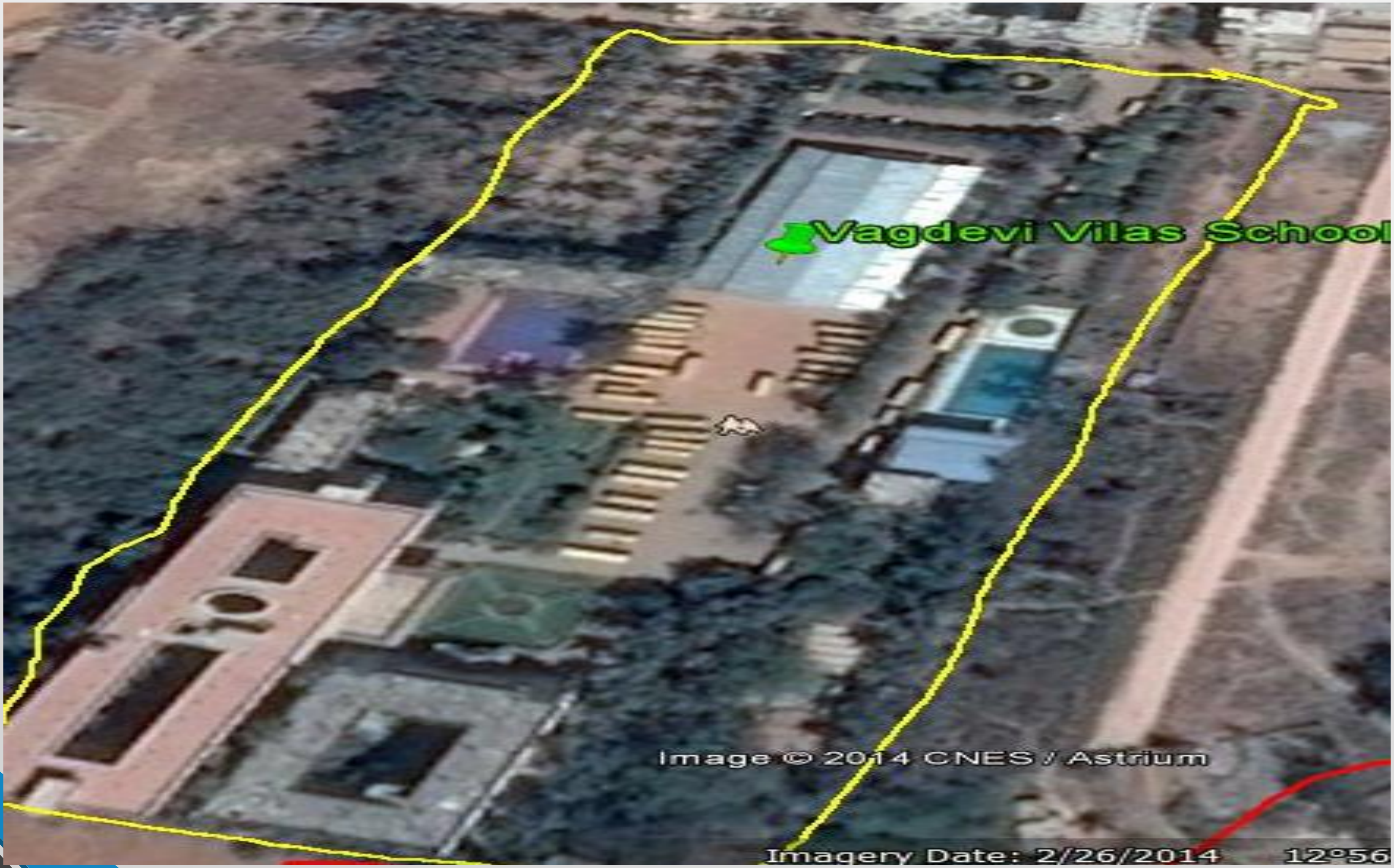
Changes in Munnekollalu from 2003 to 2013

Sl. No	Year	Population	Temperature in (^{0}C) (Summer)	Rain fall in (mm)
1.	2003	Less than 1000	24 ^{0}C to 25 ^{0}C	914.2 mm
2.	2013	More than 10,000	30 ^{0}C to 35 ^{0}C	625.7 mm

Data collected from the Government officials, Munnekollalu

VAGDEVI VILAS SCHOOL IN 2004

VAGDEVI VILAS SCHOOL IN 2014

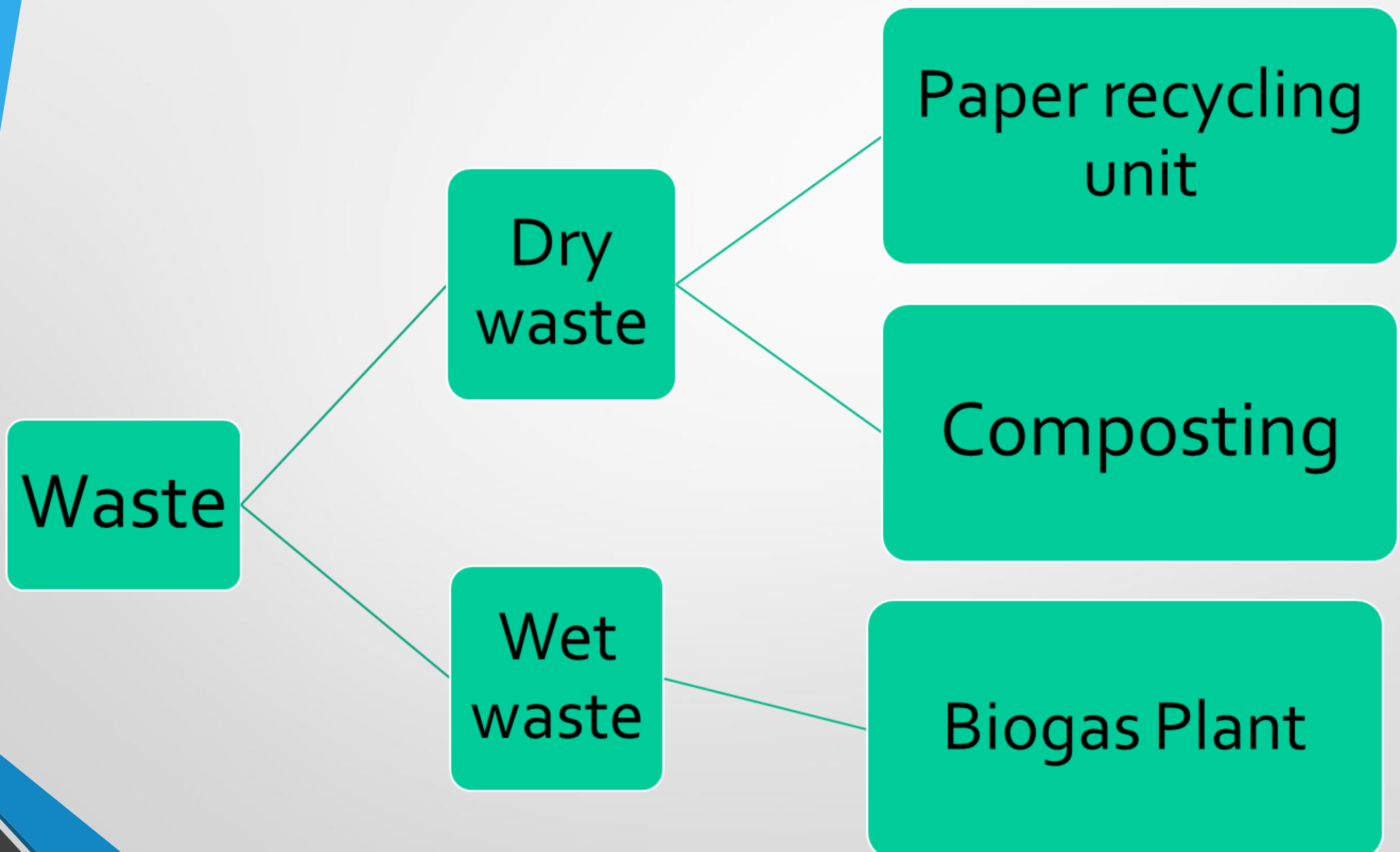


STEPS UNDERTAKEN BY VAGDEVI VILAS SCHOOL

- 1kW **Solar Panel -** To harness Solar Energy and promote use of renewable energy

- **Vertical axis wind turbine -** To harness wind energy

Waste Management in Vagdevi Vilas School



Paper recycling unit	Biogas Plant and Composting
	
	

Water Management System in Vagdevi Vilas School

Rain Water Harvesting

ELECTRONIC WASTE RECYCLYING

green ambassado

Awareness program

Flora in Vagdevi Vilas School

Flora in Vagdevi Vilas School

SUGGESTIONS

Measures taken by our school can be **implemented in a larger scale in this region to conserve the natural resources**. With policy reformation and greater focus on sustainability, we can salvage the priceless environment for future generations.

CONCLUSION

Industrial growth and urbanization are often seen as being economically beneficial, it has the potential to cause serious environmental harm if left unchecked.

Let’s

It is never too late, let us unite for this cause and contribute to the healthy living of our future generation.

GO GREEN………

REFERENCE

- *Tellnes G, ed. Urbanisation and health. New challenges in health promotion and prevention. Oslo: Oslo Academic Press (UniPub), 2005.*
- *Mukherji, Shekhar (1993). Poverty Induced Migration and Urban Involution in India : Cause and Consequences, International Institute for population Sciences.*
- *Kulkarni, V. and Ramachandra T.V (2006). Environmental Management, Commonwealth Of Learning, Canada and Indian Institute of Science, Bangalore.*
- Ramachandra T.V and Uttam Kumar (2009). Land surface temperature with land cover dynamics: multi-solution, spatio-temporal data analysis of greater Bangalore. International Journal of Geoinformatics 5 (3), 43-53.
- Ramachandra T.V, Bharath H. Aithal, Durgappa D. S (2012). Insights to urban dynamics through landscape spatial pattern analysis. International Journal of Applied Earth Observation and Geoinformation 18, 329-343.
- Ramachandra T V, Bharath H Aithal, Beas Barik (2014). TeMA Journal of Land Use Mobility and Environment 7(1), 83-100.


Thank you.