

**LOCAL  
CALAMITIES**



# 3. LOCAL CALAMITIES

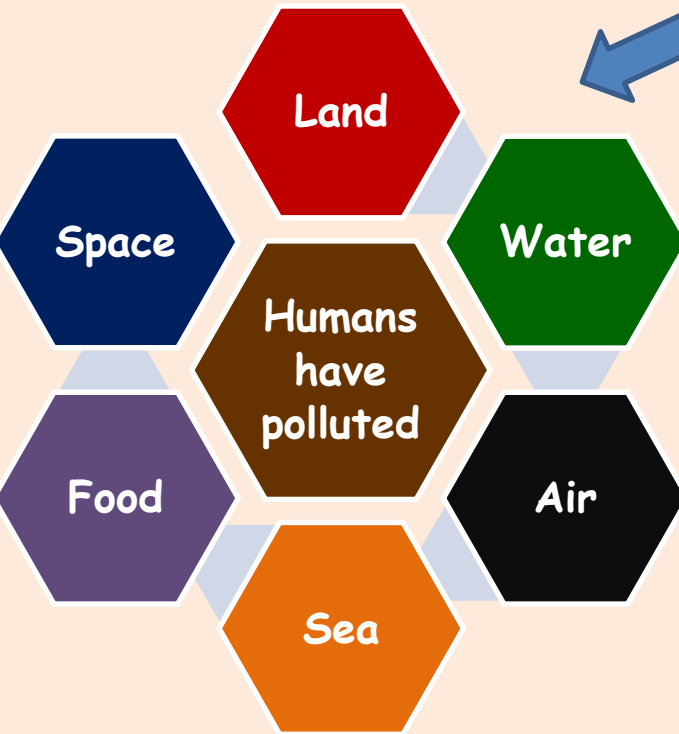


EVER INCREASING



# Man causes Pollutions

How many hands do the six types of pollutions?



14 Billion (7 billion  $\times$  2 )

What is the world Population ?

7 Billion

Yes. Every human being pollutes 24  $\times$  365

Don't you feel there is a need for at least few thousands enlightened citizens to learn & propagate? Why don't you be the ONE ?

That is why Satellite Organisations .

Stop being a polluting hand.

Become a pollution prevention hand .

See what is your place's problem / or any other problem & start the right Satellite Organisation

Land

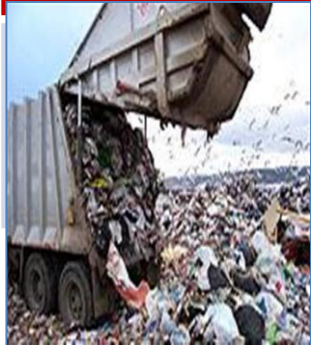
Water

Air

Sea

Food

Space



Lung damage from air pollution is a risk faced by 1 out of 5 humans.

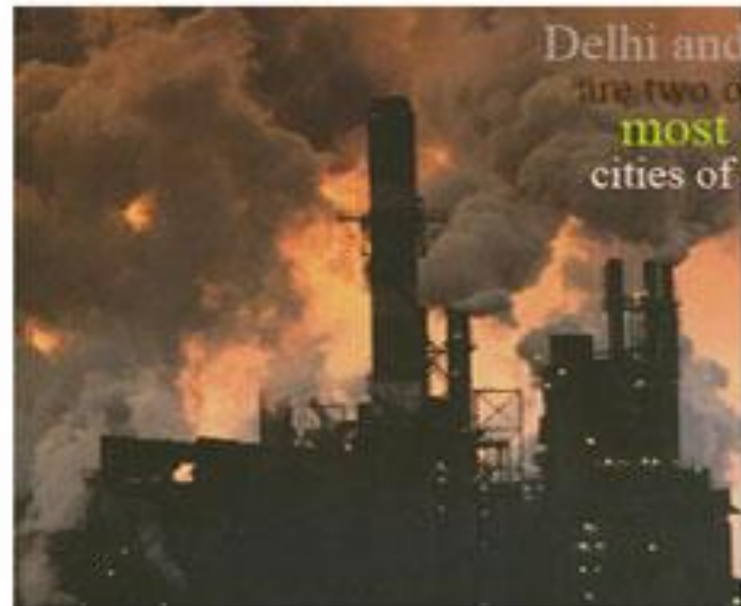
**2.4 million people die each year directly due to Air Pollution.**



The average car releases 5 tons of CO2 into the atmosphere every year.



# Air Pollution



Delhi and Kolkata are two of the three most polluted cities of the world.



How  
do  
we  
pollute  
our

**BY**



**SMOKE**



**DUST**



**CHEMICALS**

Air  
Water  
Land  
Food  
Sea  
Space?

**BY**



**ACIDS**



**PARTICULATES**



**BIOLOGICAL**

**By**



**NUCLEAR**



**PLASTICS**



**NOISE**



# AIR POLLUTION



**Air Pollution is  
not a joke. Air  
Pollution will  
make you  
choke**

**Sloganshub.com**



Lung damage from air pollution is a risk faced by 1 out of 5 humans.

**2.4 million people die each year directly due to Air Pollution.**



The average car releases 5 tons of CO2 into the atmosphere every year.



# Air Pollution



Delhi and Kolkata are two of the three **most polluted** cities of the world.





INDUSTRIAL  
AIR  
POLLUTION



## TYPES of AIR POLLUTION

- 1. Ozone:** Vehicle Exhaust & Industrial Emissions, Gasoline Vapors & Chemical Solvents as well as natural sources emit NO<sub>x</sub> (Nitrogen) and VOC (volatile organic compounds that help form ozone).
- 2. Particulate Matter :** "Particulate matter," also known as particle pollution or PM, is a complex mixture of extremely small particles and liquid droplets. Particle pollution is made up of a number of components, including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles
- 3. Carbon Monoxide :** Carbon monoxide (CO) is a colorless, odorless gas emitted from combustion processes. Nationally and, particularly in urban areas, the majority of CO emissions to ambient air come from mobile sources



## AUTOMOBILE AIR POLLUTION

Nitrogen dioxide ( $\text{NO}_2$ ) is one of a group of highly reactive gasses known as "oxides of nitrogen," or "nitrogen oxides ( $\text{NO}_x$ )."  $\text{NO}_2$  forms quickly from emissions from cars, trucks and buses, power plants, and off-road equipment. In addition to contributing to the formation of ground-level ozone, and fine particle pollution,  $\text{NO}_2$  is linked with a number of adverse effects on the respiratory system.

5. Sulfur dioxide ( $\text{SO}_2$ ) is one of a group of highly reactive gasses known as "oxides of sulfur." The largest sources of  $\text{SO}_2$  emissions are from fossil fuel combustion at power plants (73%) and other industrial facilities (20%).

6. Lead (Pb) is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been from fuels in on-road motor vehicles (such as cars and trucks) and industrial sources

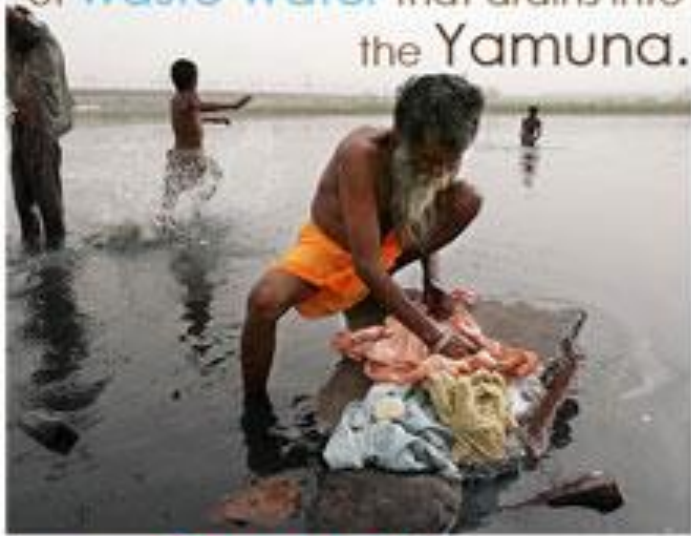




**WATER POLLUTION**



Every day, **14 million people** of greater **Delhi** generate over **650 million gallons** of **waste water** that drains into the Yamuna.



Unsafe drinking water is the **number one killer** of children under the age of five

Every **5 seconds**, a child dies of water borne illnesses.



## Water Pollution



Water **ExNoRa** will ensure People get drinkable water





**GARBAGE POLLUTION**





**PLASTIC POLLUTION**





**NOISE POLLUTION**



# FOOD POLLUTION





# SOIL POLLUTION



**DUST POLLUTION**





**VISUAL POLLUTION**

# PUBLIC WATER FOUNTAIN OR DISEASE PRODUCER



*Public Water  
Fountain*



# WATER BODIES

# DYING BODIES





# RIVERS or SEWERAGE





# SEWAGE SAVAGE





# It was Stone Age & Metal Age & now it is Garbage now





Liquor kills the consumer , ruins his family and wrecks the economy.



This January, illicit liquor claimed about **30 lives** in a single incident.

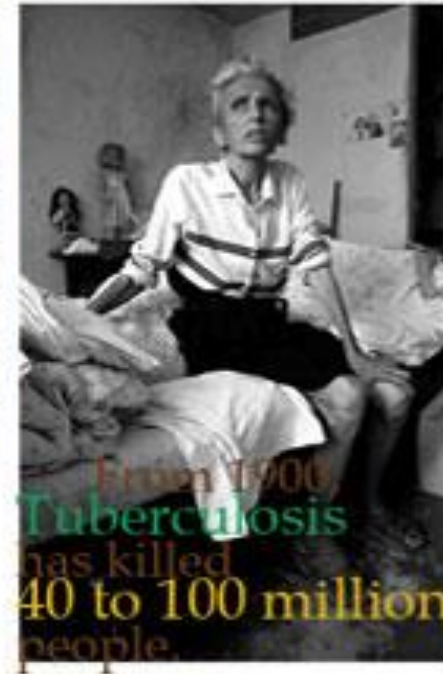


Hooch  
Tragedy

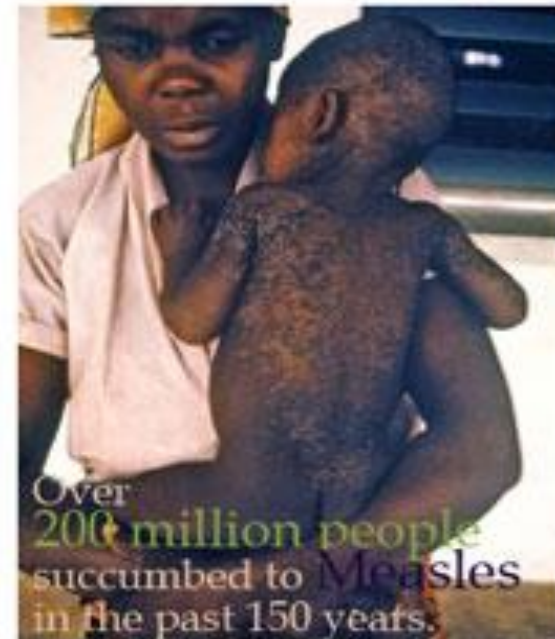
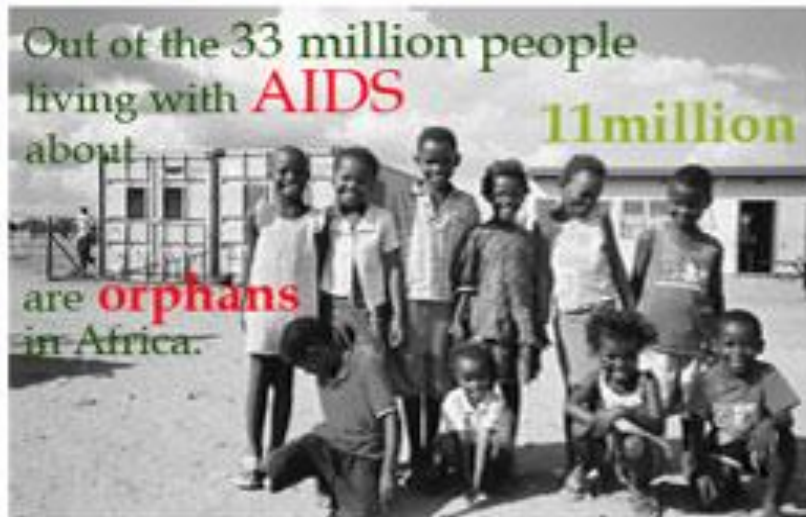




Diseases are working overtime and new types of diseases are born .



## Contractable Diseases







# BIRD FLU



# SWINE FLU

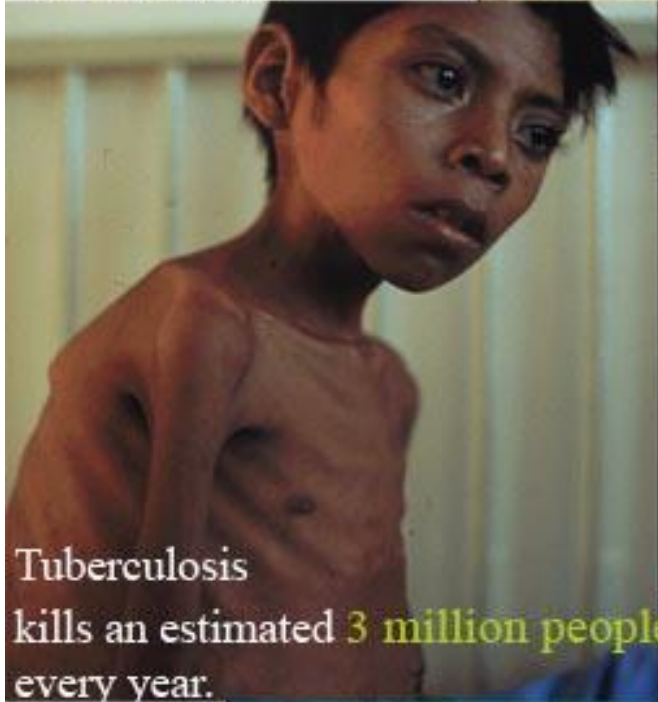




There are over  
one million  
bacteria  
in every millilitre  
of fresh water.



# Bacteria



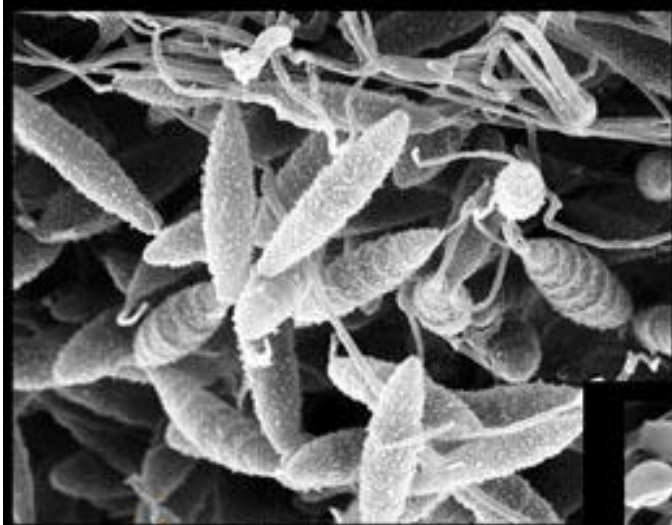
Tuberculosis  
kills an estimated 3 million people  
every year.

They cause a number of ailments ranging from  
skin diseases to meningitis, anthrax and TB.

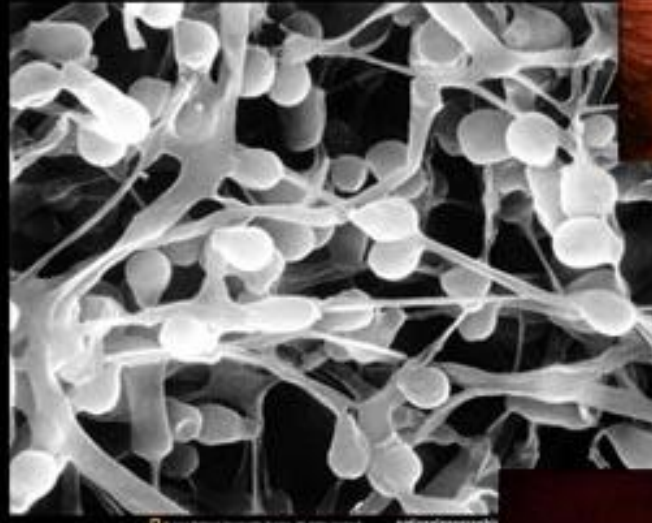




# Fungus



Candidiasis can cause death among cancer & AIDS patients.



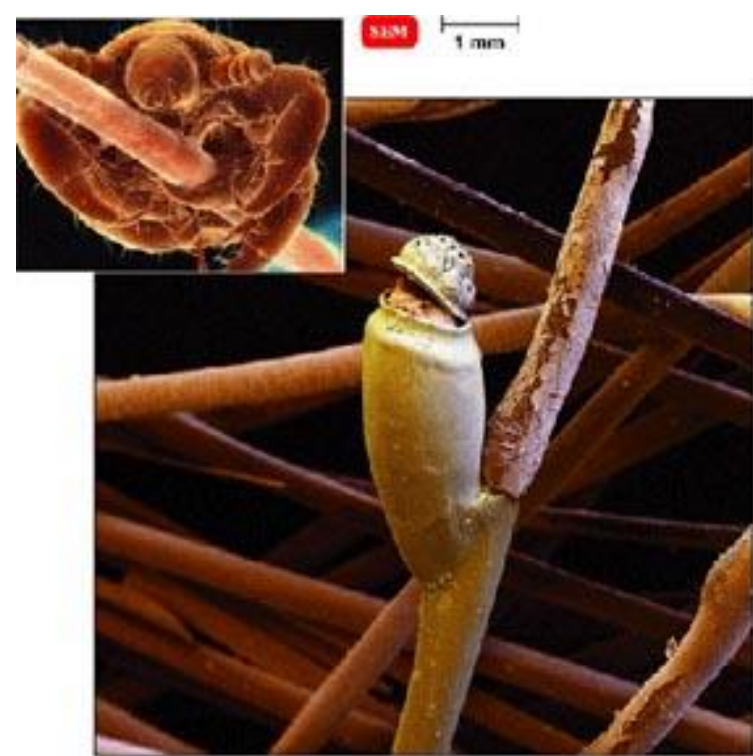
Fungi cause skin diseases like athlete's foot and ringworm.



Fungi may also cause pneumonia and meningitis.



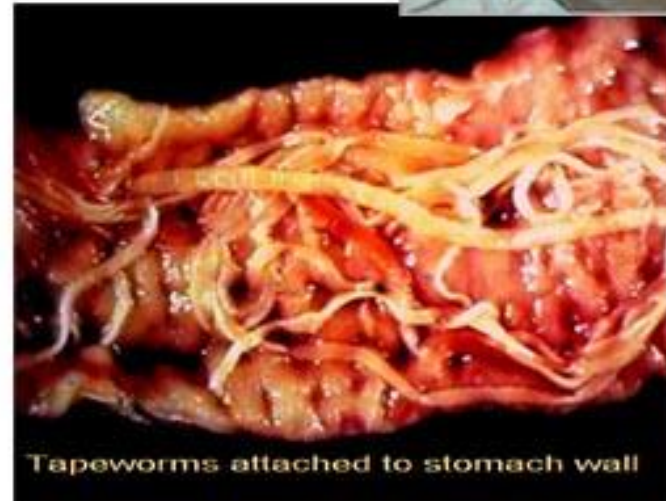




There are over 1000 species that live as parasites in humans.

# Parasites

Each hookworm drinks up about 1cc of blood a day leading to anaemia.



Tapeworms attached to stomach wall

Tapeworms grow upto 33 metres long and feeds on the host's intestines.



# Thin Plastic Bag cause Soil & Water Bodies Pollution



**RED ALERT**  
World will be destroyed not by **ATOM BOMBS**  
but by **PLASTIC BAGS**





# BURNING PLASTICS IS A MAJOR PROBLEM & DANGEROUS





# It was Stone Age & Metal Age & now it is Garbage now





# 80000 people perish every year in road accidents in India





# ExNoRa's SOLUTION VOICE AGAINST NOISE



## NOISE POLLUTION





# PROBLEM TREE FELLING





# CAUTION ! ROAD AHEAD !!



**NON EXISTENT ROAD**





# TRAFFIC JAMS





Unauthorized Parking in Residential Localities affecting free-flow of traffic. Roads are meant for traffic & free flow vehicles. Unfortunately the precious space meant for traffic movement is encroached by parked vehicles (in some cases 2/3<sup>rd</sup> space is lost. ExNoRa's tested solution is ExNoRa **TRAFFIC GUARDIANS** who are paid by the residents who ensure orderly parking of vehicles and guide traffic



Unauthorised parking of vehicles anywhere & everywhere including in front of "No Parking Boards"



# Platform not needed. "Platform" is needed





City's beauty marred by posters & walls are disfigured by pasting posters & writing on public & private walls



ExNoRa





# POOR STREET LIGHTING & NON-BURNING STREET LIGHTS



**PROBLEM**





# Menace of Stray cattle







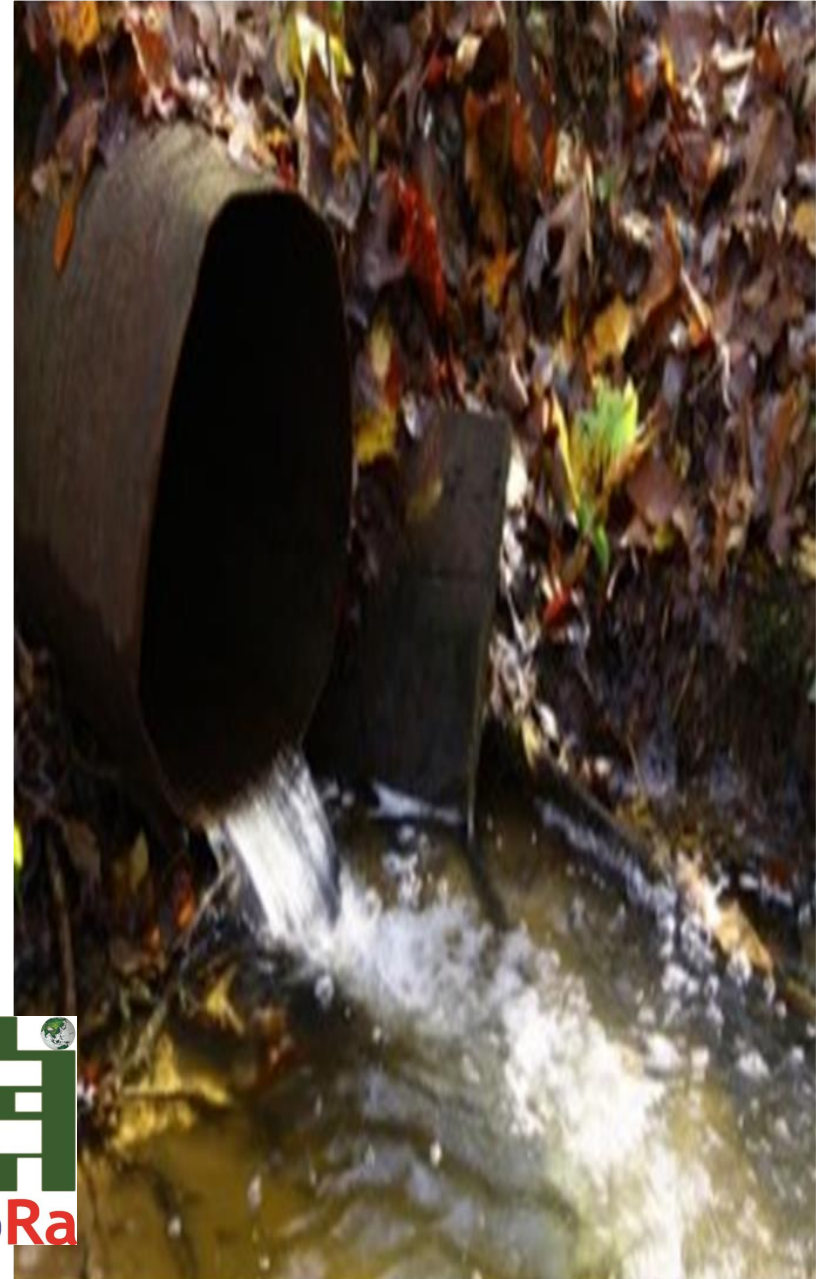


# School Children waiting for their TURN in the queue for their turn to answer call of Nature





# No proper sewerage & storm water drainage







# INNOVENTOR (INNOVATOR+ INVENTOR), CONCEPT CREATOR, NEOLEXIAN & AUTHOR



Exn Dr Nirmal Basu, **GPian**

7<sup>th</sup> Sense Master & Trainer (SINCE 1991)

**FOUNDER**- **ExNoRa** International (1989). 5<sup>th</sup> Pillar (1997),

7<sup>th</sup> Sense Society (1999), INNOVENTIONS (1999) & 40 more

**INNOVENTOR** (INNOVATOR+ INVENTOR), (since 1977) of

nearly of 3000 IDEAS, CONCEPTS, SERVICES & PRODUCTS

**AUTHOR** (since 1964) 14 books & hundreds of articles, stories

& research papers **PHOTO-JOURNALIST** (since 1964)

**NEOLEXIAN** (coiner of new words) in 3 languages (since 1980)

