

**9/20/2020 NIRVANA**

**SARIPALLI SURYANARAYANA**

## **Back Ground**

In NASA news “ Data of our rotating planet, captured 13 times per day, by the robotic Deep Space Climate Observatory (DSCOVR), a specially designed space camera and telescope, launched and positioned a million miles from Earth. We will now be able to measure and track sun-induced space weather as well as global climatic trends in ozone levels, aerosols, vegetation, volcanic ash, and Earth reflectivity, all in high resolution That may not be just the kind of data our civilization needs to make informed cultural, political, and scientific decisions that affect our future”.

Occasions such as this offer renewed confidence that we may ultimately become responsible shepherds of our own fate, and the fate of that fragile home we call Earth.

The Blue Marble, Neil deGrasse Tyson American Museum of Natural History, New York City @neiltyso

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2.”Checking back in quickly with one more update about the New Horizons spacecraft's mission to Pluto.

capturing even better images of the icy dwarf planet than those made earlier in the probe's approach”.

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3.Climate Action Net work; ‘The post-2015 final draft must be strengthened, inter alia by: 1. Incorporating clear reference to limiting global warming to 2 or 1.5°C ’.

-

4.FAO-’The evidence for climate change is now considered to be unequivocal, and trends in atmospheric carbon dioxide (CO<sub>2</sub>), temperature and sea-level rise are tracking the upper limit of model scenarios elaborated in the Fourth Assessment (AR4) undertaken by the International Panel on Climate Change (IPCC). There remain many scientific questions related to cause and effect that are not yet fully explained, but the probable future costs of climate change are so significant that action now is considered to be a prudent insurance. Current negotiations focus on stabilizing end-of-century temperatures at no more than 2 °C to minimize negative impacts. The criticism that climate science has recently taken does not

detract from the reality nor the gravity of the clear trends in global climate.

As the global population heads for more than nine billion people by 2050 (under medium growth projections), the world is rapidly becoming urbanized and wealthier. Food preferences are changing to reflect this, with declining trends in the consumption of staple carbohydrates, and an increase in demand for luxury products – milk, meat, fruits and vegetables – that are heavily reliant on irrigation in many parts of the world. The production efficiency of animal products is lower than for crops and so extra primary production from pastures, range lands and arable farming is needed to meet food demands. Future global food demand is expected to increase by some 70% by 2050, but will approximately double for developing countries. All other things being equal (that is a world without climate change), the amount of water withdrawn by irrigated agriculture will need to increase by 11% to match the demand for biomass production.

UN Frame work on climate change convention has the ultimate objective (UNFCCC) is to achieve "... stabilization of greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system.

Earth's temperature depends on the balance between solar energy entering and leaving the planet's system . When incoming energy from the sun is absorbed by the Earth system, Earth warms. When the sun's energy is reflected back into space, Earth avoids warming. When energy is released back into space, Earth cools. Many factors, both natural and human, can cause changes in Earth's energy balance, including,

"The Greenhouse Effect causes the atmosphere to retain heat.Changes in the green house affects the amount of heat retained by Earth's atmosphere,Variations in the sun's energy reaching Earth. Associate with it are changes in the reflectivity of Earth's atmosphere and surface.

These factors have caused Earth's climate to change many times. Scientists have pieced together a picture of Earth's climate, dating back hundreds of thousands of years, by analyzing a number of indirect measures of climate such as ice cores, tree rings, glacier lengths, pollen remains, and ocean sediments, and by studying changes in Earth's orbit around the sun.

The historical record shows that the climate system varies naturally over a wide range of time scales. In general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in greenhouse gas (GHG) concentrations.

Recent climate changes, however, cannot be explained by natural causes alone. Research indicates that natural causes are very unlikely to explain most observed warming, especially warming since the mid-20th century. Rather, human activities can very likely explain most of that warming.

When sunlight reaches Earth's surface, it can either be reflected back into space or absorbed by Earth. Once absorbed, the planet releases some of the energy back into the atmosphere as heat (also called infrared radiation). Greenhouse gases (GHGs) like water vapor (H<sub>2</sub>O), carbon dioxide (CO<sub>2</sub>), and methane (CH<sub>4</sub>) absorb energy, slowing or preventing the loss of heat to space. In this way, GHGs act like a blanket, making Earth warmer than it would otherwise be. This process is commonly known as the "greenhouse effect".-

5. While many places Gender equality is achieved by inducing more women in to top administrative posts, and allowing women to retain land holdings in property rights, the other Groups are equally placed in the developmental process.

Marriage between the male and female is well advised, but where the systems of marriages are preferred by individuals, such were not

discouraged.

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6. Today in 2014, there are 437 Nuclear power plants, approximately [WNN] and in 2020 assumed there will be about 700 nuclear power plants almost ready and operable. In next 20 years this number will be almost double, around 2.00 Million tonnes of Uranium will be used for these plants. Still the Uranium plants will meet only 12% of world power requirements in 2030.

## **NIRVANA**

### **9/20/2020**

**To Our Beloved Friends, Teachers and Masters**

**Prof.V.B.Sharma**

**Late Prof.P.V.Ratnam**

**Late Dr.S.Gopala Satry**

**Late Prof.K.Krishnamacaryalu**

**Late A.N.Rao**

**Late Saripalli Venkatachalam**

**Late Pappu Mohan Rao**

**Sumitra Rao**

**K.Ramakrishna**

**D.J.J.Ramachandra Raju**

**Prof.I.Satyanarayana**

**D.S.R.Raju**

**Late Col.Barve**

**Late Dr.Raja Rao**

**Late M.S.Naidu**

**Late Guha Thakurtha**

**ESSAR Projects**

**RAMKY Infrastructures  
Gannon Dunkerley & Co.  
Institution Of Engineers  
Institution of Valuers  
Indian Concrete Institute  
Indian Institute of Bridge Engineers  
Naval Project Visakhapatnam  
A.P.Irrigation Development Corporation**



RELEASE OF BOOK ON CONSTRUCTION MANAGEMENT, WRITTEN BY-SARIPALLI SURYA NARAYANA, THE AUTHOR, AND DR SUSARLA GOPALA SASTRY IN THE PHOTO.

**SURYA SN**

**NIRVANA**

**9/20/2020**

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India,LM-FIV-5998.,IIBE-1718,FIE

Member Indian Concrete Institute, India, LM-2896,  
Development of open access to Scientific Information and  
Research. [EIFL]

Member of hifa2015@dggroups.org,

Member web2fordev@dggroups.org,

Forum UNESCO - University and Heritage (FUUH),

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Forum member International E-news,[Regarding water and  
sanitation in communities].

[E-Mail,s\\_n\\_surya@yahoo.com,](mailto:s_n_surya@yahoo.com)

[suryasn.saripalli@gmail.com,](mailto:suryasn.saripalli@gmail.com)

THIS BOOK IS

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**9/20/2020**

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**My Father, Mother**  
**And**  
**My Uncles**

I wish to acknowledge the daily News papers

Web NEWS Channels such as Yahoo,

NASA earth observatory,

Tropical Health Update,

D Groups,

World Nuclear News [WNN],

William Brieger, Malaria Update,

And WIKIPEDIA,

So also, I wish to acknowledge My wife Mrs.Janaki, M.A., B.Ed., a  
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My sons and their wives who have made valuable contributions.

Nothing is a copy.

Engineering is a continuous changing subject, as we progress we

develop the theory.

Bernoulli, Newton, Einstein, Euler and so many such were able to find the logic for each of the development.

The purpose is to educate the Young Engineers.

**Nirvana**  
**[9/20/2020]**

**SEPTEMBER**  
**2020**

**NIRVANA  
SEPTEMBER**

**2020**

**[Fiction]**

Key to Novel

Research in to many applications of Uranium is on the way. There could be pilferage to meet the requirements.

Migration,culture,life Electricity Industries finance and construction are back bones to Heritage and culture.

It was in 2020 one of the Forensic Engineer uses his knowledge,and back track of events to picturize the men behind pilferage's and the men wanting to play with the world The money,transport systems and the Data.

There is a growing tension as someone has started using this Uranium in Vanuatu Islands for Satellites, someone is using and trying Airplane Fuel in some Island, near Honolulu, and the third is there is internal research going near Siberia to use the Uranium for normal vehicle as a fuel.

If these or any those succeed the global fear for misuse and near danger are confirmed as a kilo of uranium can drive a car for almost 15 years.

Psychologists states that when a mind is at a state of neutrality, it starts recollecting the past, the past to which his instincts are well built. From that frame the person starts to move forward.

The main character Satya starts moving in the same way to know about the happenings on 15 th August 2020.

**You have to read**

**Book one-Pages-7 to 117**

**Book two-Pages-118 to 192**

**Book three-Pages-193 to 245**



**Nirvana**  
**9/20/2020**  
**BOOK-1**  
**CHAPTER-1**  
**CHEBRONYL BOY AND FUKISHIMA GIRL**  
**AUGUST 2019.**

It was August 2019, there were many onlookers, someone away was thinking that it could be a bull fight.

No, it is a cow, a female tied with the ropes, which was looking eagerly what it has missed, since its inception.

It could be the same bull, the farm man might have used, against, her mother, against her sisters. But future is assured as we are giving them their identity.

But the cow is mature and anxious, and smelling something it might have carved and waited. It was rotating around the post. The on lookers were anxious, most of them representing their farms, and working in their farms.

Here the Bull is a mature male animal, with its testicles intact (testicles present and not removed) and a class of male bovine used for breeding purposes.

For all most a few hundred cows, a good Bull is kept, and is available for breeding. Artificial insemination or the sperm placement, which is also called, IVF fertilization which is widely used for humans is now available for the domestic animals.

While the cow is a mature female, it is also called bovine when that has given birth to at least one or two calves. The 'scissor' technology used for humans to remove baby is still not used for animals, because of upper and lower cages for them.

Colloquially, the term "cow" is an animal who gives milk, and is a domestic cattle, regardless of age, gender, breed or type.

However for most people who work with or raise cattle, this term is not used in the same reference as previously noted.

For bulls, about 40 to 60% restriction of energy and protein during growing phase causes retardation of testicular growth and the effect persists throughout the life, and is termed as OX, if the testicles are castrated, and sometimes called also as steer, stag, etc.

On the other hand feeding high concentrate foods and fodder to give extra energy to the bull is essential to have good babies. Also vitamins are fed to growing bulls so that there is no reduced testicular sperm reserve and also reduced semen. That is why the quality as compared to food is important.

It has been recommended that breeding bulls should be given 100% higher crude protein and 20% higher energy than maintenance requirement for mature female buffaloes.

Such of the cows that are pregnant with their first calf is called, bread or heifer.

Finally the cow has accepted the bull, and the bull was in its work.

Seeing process till then some of the female workers and women were covering their faces, with a hankie, on the side in which this is happening and went away.

The men ,along with their young wards, men and women of adolescent age were looking till both the cow and bull got exhausted.

The cow was showing its gratitude to the bull, by licking its tail, and then the face.

Lucia was watching the bull mating keenly, not from one corner of an eye, but with wide open eyes, and not mouth wide open, or anxiousness, but with details.

She is not so young, not so old. She knows copulation, she had children. And nothing was last on the fateful day, except, the man working in Daiichi, power plant went along with his

mother and two children to the sea front to show them the port.

They never returned. After a long time, she had her house made again.

It was a Russian, probably, asked her if she can escort her, to the port.

From market on way to port she stopped at her house.

The gentleman was hungry, he ate the food, and he was fast sleep, looking as if he was well tired of his work. He said his name is Rostov, and he is from Chernobyl

She went to wake him, and found him, just like this bull, very strong chested, muscle hands, very big thighs.

Seeing her gauge, he asked her to come nearer for a kiss. Lucia kissed him, vehemently, strongly, and it was undoubtedly very long time, before she or he was able to move their legs, and start wearing their clothes.

It is then she realized, why they said that the bulls have to be fed extra.

It was almost the cow and bull, she realized, that while she was the cow, the bull, has now vanished, and it is almost a month. She started feeling changes in her body, and she knew, she had unprotected sex, how many times she do not know, but sufficient to have next baby of mixed origin.

She knew, the baby will be strong, and he will give the name to the dead out of the disaster.

She thought, what she did what was expected of her and know she has to work, to keep things live.

She told him, if she gets a baby she will call him, small Rostov.

He said he is from another Nuclear affected area.

That will make things fine for us", she said.

He rang his captain, told him he is getting married, and will

join in a few days at Ankara, Turkey”.

The ship not only works along with deep sea pipe laying barges, but also brings the Crude and refined Petrol and its products to Japan.

He was there when the NPP, at Mumbai entrance channel and intake was done.

It was a huge barge, the intake channel segments each were weighing almost 5 tons. The crane has to make almost 20 degrees inclination at a boom height of 30 meters height. Each element has to be laid on pre-dredged channel bottom, interlocked and bolted with each other.

Divers were very crucial for assessing the integral connections of concrete segments.

He dropped all the anchors, and had sufficient barges to feed the structural elements on this flat lay barge.

The laying sequence, balancing of the barge when one side lifts the weights, and de-ballasting the bottom chambers when the laying is done, were excellent procedural items only Satya sequenced and managed.

That was in 2018, when the work was over both of them left. He thought for a second about Satya, a dynamic figure who was always like a brother his whereabouts are not known.

**BOOK ONE**  
**CHAPTER TWO**  
**CHERNOBYL**

It is 2020 April.

He is Rostov,his father,mother died on a fateful day in 1986,when he was hardly 15 years.His house was within 5 miles of **Chernobyl** which was in Russia,and now in Ukraine. He has grown up,his father was medium sized,and was a history lecturer in local college.His mother was a psychology lecturer in the same college.

Before he was 15 years,he was reading about the Russian professor,who made excellent research on dogs and their psychology,and he wanted to continue his studies in psychology of men and women.

The disaster made his home a non existent entity,and he was almost a dole seeker,overnight with property of agriculture farm lost,in the nearby villages.

His father and mother had houses in the neighboring villages,and that were also declared as red zone.

The government aided his education,dress,food,and he graduated,weeping day and night about his irrevocable losses.Even such of the papers he could get hold of about his father,his job,or mother,and property,have not yielded any insurance claims.He finished his graduation.

He joined in two a shipping company.And after working as an anchor man,Bollard tie-ing, SPM, handling, at last he became a second shipper,who can work with the deputy chief engineer.He always had two assistants with him.

When ever he was weeping his warden came and soothed his legs and body.He felt it as a motherly touch.

His co inmates from pripyat area were Sergei and Perilok.They always felt that they nothing left behind them. One day they were moved to Kiev,when the Ukraine is separated.It could be a mental hospital.

It was in 2019 July,that he went to the Japan shipyard to unload some crates off the ship to a party.He felt he shall see the place which has created history,like his place. He saw,people are coming to work faster than his old town. That is where he saw a mature women ,she said her name as Lucia,while he introduced himself as Rostov.

They never fell in love,he knew,he did not have her address,he knew,he had an unprotected copulation,and nothing happened during last nine months to him. Still he was keen he should go back once,and see her,He was imagining she could have made an abortion.

He is now a famous ship-man,handling Tugs,Barges,attending to port operations,by arranging systematic unloading and loading of ships.He remembered Satya.

He is key to computing the drought weight of ships,and arranging for ballasting[pumping water into ship bottom chambers,so that the ship do not tilt away],and de-ballasting. Finding proper fenders,and bollards for anchoring the ship has given him the credentials and is called a ship man.

He knew that Lucia was a very able women,she lost everything on the fateful day of disaster.

She is well educated,in fact she never protested about copulation.

She wanted his child.

He was her bull her love and she was his cow,his wife.

This is his Nirvana of 2020.

## **BOOK ONE**

### **CHAPTER THREE**

#### **The Earthquake and Tsunami**

There were other onlookers,either from China or South Korea,Ba,Bao,Chang,Deng,Meng.,Bano.,and many more,who watched the happenings,got into the park,and left by car,to their destinations.

BaBao and Chang made their friendship,while Deng had made friendship with Bano.

Meng was alone.

Ba said she wants to cultivate the culture of Geisha's and understand their living.

Narashino-In town is in Chiba province saw most of soil liquefaction during the earthquake preceding the Daiichi disaster.

Jurou and Ami are from the same area.Jurou wants to marry Ami,and make a family.

Ami father and mother lived within 10 Km,of the Port area of Fukushima,when the quake struck,they disappeared in the Tsunami.

She recalled about the Tide Tables which are an important part of a marine engineer and so also the people residing in nearby areas.

The area was a marshy land,where the backwaters were forming cushion against natural calamities by absorbing the wave dynamics.

Then the government has made adjoining port,and in making so the dredger of heavy capacity dumped the liquefied soil,through the pump,on to this marshy land.

High rise buildings to stand for earthquake intensity of 9.0 magnitude were built. They used heavy springs called Elastometric bearings.

The bottom of such buildings is called the foundation and many joints which support the building loads, and deliver them to the foundations are made of helical steel springs or rubberized material which can cushion or compress, when the P or the primary waves of earthquake strike. This action retards further formation of Secondary waves in a earthquake.

Japan comprises of many cities and towns, over populated and congested at many places, and Buddhist temples are sight worth seeing.

Ami was doing her Masters in Earthquake engineering and was thinking how to make beautiful cities.

She had corroborative ideas with Bethink, and Sari, along with their associates, who are in to 'smart' or 'Sustainable city, architecture, and design'.

She joined hands with other group members headed by Jurou and decided to see the developments in the area, where her only contacts father and mother, and their only property the house, were destroyed.

Her life is a shatter, she lived in many friends house, and taken the dole the government gave to her as a single child of the family.

Ami said "it is estimated that Japan, has a negative population growth and it is [-]0.2%, while that of India is 1.2%. They are some 48% of the world's old people lives in a country where birth rates are not sufficient to sustain existing populations..

That means that Japan may be ahead in dealing with the

problems of an aging population., but is not alone’.

Jurou remembered that her grand old parents at Tokyo were living alone.

I am alone,i am far away from any water source,i need to lift water and bring up all five floors.She was weeping.

Her mother never really cared about what she was telling,she never got a booster,a small pump or a help maid to serve the 80 years old man,who had a paralysis stroke.

Alone she fed him medicines out of whatever pension she got. The apartment was in a tumbledown stage.The Habitat was enough for her to slog for remaining part of life,unwittingly looking in to sky and pathetically feeling the sufferings of body.

It is human bondage that always lasted or which she was involuntarily looking from somewhere to come in the form of Lord Buddha.

Her father reached on second day of his father death and her mother was reluctant to see the dead man.

Father refused take his mother along with him,after another 4 years,some one came with a bundle of clothes as the remains of her mother,who was sent to the morgue after the death.

Jurou was saying Because of its location of Fukushima the earthquake shifted the Earth's axis by estimates of between 10 cm (4 in) and 25 cm (10 in). This deviation led to a number of small planetary changes, including the length of a day, the tilt of the Earth, and the Chandler wobble which is the sudden swell of some parts on earth.

Ami said ‘that led to increase in the speed of the Earth's rotation shortening the day by 1.8 microseconds due to the

redistribution of Earth's mass.

The axial shift was caused by the redistribution of mass on the Earth's surface, which changed the planet's moment of inertia. She read all these either in world nuclear news or in Wikipedia, when ever she was unable to read the current happenings in news papers.

Ami please understand that because of conservation of angular momentum, such changes of inertia result in small changes to the Earth's rate of rotation. These are expected changes for an earthquake of this magnitude' Joru said.

Deng highlighted the issue of soil liquefaction by saying the area was marshy land and comprised of soil reclaimed by using soft soil from the bed of sea. Reclaiming land around Tokyo, particularly in Urayasu, Chiba City, Funabashi, Narashino (all in Chiba Prefecture) and in the Koto, Edogawa, Minato, Chūō, and Ōta Wards of Tokyo are most common.

Meng came after them and said, we are young people with aspirations these hazards do not effect our life or systems and do you know people say in world war 1 the deaths were at 17 million and in world war 2 at 80 million, the Nuclear bombing of world war on Hiroshima had around 80,000, and Nagasaki around 40,000 deaths. We have new faith and zeal we do not give up.

World Nuclear news has reported that, safety is of concern for the nuclear plants, because of known disasters, and well known weakness in construction techniques..

Ami said that she read on news 15,854 deaths, 26,992 injured, and 3,155 people missing across twenty prefectures, as well as 129,225 buildings totally collapsed, with a another

254,204 buildings 'half collapsed, and another 691,766 buildings partially damaged. That was the earthquake.

Meng concluded it was a terrible earthquake and tsunami also caused extensive and severe structural damage in north-eastern Japan, including heavy damage to roads and railways as well as fires in many areas, and a dam collapse. It was a difficult crisis after world war .

Ami further said The accident at Fukushima occurred after a series of tsunami waves struck the facility and disabled systems needed to cool the nuclear fuel. potassium iodide to residents was given fast near the facility to prevent their thyroid glands from absorbing radiation. These actions limited any adverse health effects from the accident.

Fukushima Daiichi Nuclear Power Plant people in a 10 km (6.2 mi) radius were evacuated.

Daiichi Company wanted to expand its operations, profitability, and create more employment.

After the safety and concerns of people were addressed Fukushima's evacuation area have been relaxed, over time for residents to visit at will and work towards a permanent return. Three towns have opened, and life started becoming normal.

It is midday in the neighboring areas, While Jurou, Arata, Hiroku, who came from Tokyo by passenger car on highway no-6, to this Futaba district, Okuma area port location, were on their way to go to Namie area.

Jurou was calling his women friends, Aki, Ami, Kurou, Maki, Maiee, please come and see the adventure here'.

They belong to the Niigata, and Sendai regions of Fukushima. Aki, told Jurou, 'you are a beast, you are like a animal'.

Why,Jurou asked.

because you love the animal way of sex.

Jurou seeing do not mean i agree for such.i like to understand why and what.

By then already,Arata and Ami,Hiroku and Kurou paired,and were heading towards the nearby park.

Maki,and Maiee went to a corner and were sitting in a corner bench,and both these girls were eating a sandwich.

They turned to Aki and said your friend is liking hard way of things,we are soft girls from Japan.

By then they were watching two dogs,slowly moving here and there,trying to catch some eatables.Both looked like friends.

They were wondering from where these dogs have come.



## **BOOK ONE-CHAPTER FOUR**

### **The Dogs**

Suddenly he saw,two Dogs are silently running and smelling i corners.He knew the way they behave,more dogs silently joined them.

It is in 2019,July.After his return from Japan,and after he slept with Lucia.

He knew he is from a place where a nuclear accident happened.She is from another place where a similar accident happened.

They both knew they are healthy.

They have their doubts whether the children born to them will be healthy.

He was wondering weather the dogs here or the cow there can give an answer to the question in his mind.

One of the Fathers near by was asking their wards to move inside their houses.He knew why.

Finally the hidden dog gave in,it is of-course the female.One of the dogs not as strong as some nearby had her way..By then slowly the other dogs went away.

He wondered what is the differences,why did not the strong was chosen by the female dog.

The passer by stood,and watched and went away.The dogs did all sorts of sounds and movements lasting for may be about half an hour and then went away,each to a corner.

Someone said that male dog, and female dog are genetically connected,he might be referring to their origins.

But here the other theories are yet to be proved,animals do not remember any relations.

Rostov was happy he was born in a very fertile area, of Kyivska Reservoir. The green scenic area has vast potential till such time the nuclear accident happened in the eighties. He smiled again and offered his hand.

The passer by who had the knowledge of the Chernobyl accident it was a fate accomplice for the residents that a nuclear plant was established in the near area and there was an explosion that occurred on 26 April 1986 in one of the reactors of the nuclear power plant. There were fires that lasted for 10 days, led to huge amounts of radioactive materials released into the environment and a radioactive cloud spread over much of Europe.

Rostov remembered that the greatest contamination occurred around the reactor in areas that are now part of Belarus, Russia, and Ukraine.

After the accident, some 600 000 people have been involved in emergency, containment, cleaning, and recovery operations, a few of them have been exposed to dangerous levels of radiation.

He saw one of the residents saying that after the accident, radiation exposures were high in the region. It was consuming contaminated food, and could be due to breathing of radioactive waste that many had sickness.

Rostov felt that most Chernobyl towns have become fit for habitation.

Ukraine has rebuilt civil society in the areas affected by the Chernobyl accident, most of the affected towns have been resettled.

Because of contaminated milk, the thyroids of many children were heavily exposed to radioactive iodine, but that has not made life difficult for many including for Rostov.

The animals living in the discarded site of accident and town, were photographed several times, and no abnormalities are noticed.

In the general there was no convincing evidence that Chernobyl has increased the number of cases of leukaemia or solid cancers, except for thyroid cancer for some children.

The majority of those cancers have been treated successfully. Future may lie in the studies about the lives of the effected persons.

As relatively low doses of radiation was received from the accident, no evidence of effects on human fertility and heritable diseases, and bad effects on pregnant women and health of children was not reported.

For dogs with a lifespan of 8-10 years, it is almost 5 generations.

The female dog gave birth in 4 months, but for being long, and tall the baby dog has not shown any abnormalities.

In less than 10 months, he got a phone call from Fukushima, and it was Lucia, she gave birth to a beautiful tall healthy child, a cross breed of Rostov and her, who mated in 2019 July.

It **was in April 2020** and he got reply to his letter addressed to her. He somehow used his technology and made her address. Google maps helped him much. He wrote to port one of the captains also to make sure he knows about her.

Both replied to him, stating that the boy and mother are happy and healthy.

He was planning to go in a flight and meet his wife, and name his son, as **Sakharov**.

That is it at last he got a hereditary family, and he will be either in Japan or in Ukraine.

She told **Rostov** on Phone, that day you saw a cow mating a bull, the cow has a beautiful strong cow, in less than 6 months. That was a news about the first generation Radioactive or radiation affected area, news that everything is more than normal.

These accidents are part of nature, and even if they use Uranium for any power plant by the third generation they have to search for alternatives, it was Satya who was telling him and others.

## BOOK ONE

### CHAPTER FIVE

**The year 2020;**

**Somewhere in the most developed part of north America, it could be a July month.**

**There were several people** looking at the stretcher.

One of the most important people of the country is on a stretcher at an unknown destination. There were a group of Doctors around him moving him to an ICU ward.

‘Doctor Fernandez’, said a voice,

it is a peculiar voice, very difficult to make out the phonetics as well the slang,

”How is my husband”,

it is the wife of the Vice President, she is around same age to that of the Vice President, just about 52 years.

‘We are married only few years ago’, continued the women.

‘Yes’, another voice from behind

‘she is Janelle, earlier he was Johnson, he changed his gender about few years ago,’

said a female voice nearby, and continued’, the Vice President has deserted me and my children, and has chosen to become the husband to her’. ‘The Vice President, Jackson is a rare capacity human’.

Johnson who chooses to change from the man and become a woman is an alpha capacity human.

‘The shit of it, no one talks a damn as to how things happened even in a country, where the people fighting for independence could do this’, Janelle shouted on top of her voice.

It was Dr. Sham the assistant to the head who spoke,” madam please keep silence, talk to the administration there”.

Again she shouted “It is bewitching and insensitive on the part of humans to do this”.

The voice behind was more firm, and with very loud and clear acoustics, like rhyme “I am Jackie, the mother of two,

whom this Vice President has divorced, if not deserted”.

“Jackie mind your tongue, Jackson choose me as Janelle, after I had changed myself there are no dramatics in that, he loved me only after he has known me that I was earlier

Johnson, and I have not done any subversive automated analog marriage using a computer graphics”.

Jackie responded like a thunder storm, ”Yes i was a computer professional, who held highest esteem, money and power, i was not in the streets asking each one to help me”.

Solicitation is the word she hates, as much as Adulteration. Cynical psychology is what she attributes on others following the married.

“Dam it, dam it, I would have screwed you, if I am allowed.”

The woman made her tighter sniff around her nose-trails.

“Janelle, mind your tongue before the children, you have nothing, and you can never screw anyone, nor can anyone do that to you, you will be hurt if I talk more reality”.

Janelle is a beautiful women [It was a man named Johnson earlier] and as much of the age of the Vice President Jackson, but could be little younger than Jackie. Who was standing in a corner of the room with her son and daughter.

‘Excuse me madam, excuse me both of you and the children, please leave us here and stay outside while we treat the Vice President, Madam Jackie, ’said the Doctors team.

‘How long it will take’ asked Janelle.

It is a Bio-safety level 4 and 5 isolation laboratory. The lab has toughest level of precautions needed to isolate dangerous biological agents. There are biologists, Virologists and it could be Fort Detrick in Maryland state.

It was impatient Jackie who responded as if the question is to her, ’the great suck of the system, I am used by all and no

one responds to us”.

Janelle, started staring, when one from the POTUS [President’s office] came along, and took her away, while some doctors accompanied by a man took, Jackie and the two children.

‘Please stay in the connected hotel, we will call you’ said a voice from behind, and people left behind.

Fernandez, started alerting his men, ‘put on the full body cover and radiation masks’ and give a dose of Basigin, which is a antimalarial intervention.

For others use Novartis malaria treatment Coartem 480mg as per WHO standards, both of them will isolate the malaria if any, and allow us for greater access for patients condition on other factors.

Based on the Judgment of July 2015, of the US supreme court, that ‘ any couple who can be straight or bisexual, lesbian, gay, or transgender, may obtain a marriage license and make their commitments public and legal in all 50 states. America has taken one more step toward the promise of equality enshrined in Constitution’.

‘It was a judgment to make legal the marriages of any couple, by many Plaintiffs, including “Jim Obergefell” who was one of them’.

The United Nations has welcomed the decision, while the ceremony for, the historic signing of the UN Charter happened there in San Francisco.

It stated ‘that the US Supreme Court ruling on marriage equality’ is “a great step forward for human rights in the United States”. And this was a turning point, in human relations and their equality.

That made things different in the last 4 years.

Jackie was thinking of her brother and his family, since she left them about 15 years ago to marry Jackson, who was struggling to find suitable clients after his law degree and was almost used to urge in the circuit courts, and never stepped in the supreme courts.

It was their first dating that he said “Jackie, i see life differently, you are so beautiful, and you are having so many business contacts want to propose to marry you”.

He continued looking sideways,’ I am not successful, as a trial lawyer want to work for any business house, and that is how we can lead’.

She instantly agreed, it never occurred to her that this man is power hungry and will make her a surrogate, and suck her.

Her brother is in asylum, he spent all that her father left for his and her education. She got highest degrees in computer engineering, while remained with his Bachelor degree in Arts. Her earning potential went on increasing day by day while his earnings started dripping from his 32 year onwards.

It was exactly at this time Jackson proposed and she married.

With her influence, he joined as a legal consultant for a small firm and was earning less than half of her earnings.

It was on a Monday police dragged their Car near the kerb on her house, and said her brother is found to be having ‘Dagga’,a ‘marijuana joint’ and needs to be taken to rehabilitation. Latter the state has recognized that cannabis plant weeds are for use as a psychoactive medicine. It was 3 years since their marriage then.

While she was thinking past, her son aged around 10 years came to her and asked her,”mama,how Johnson can become Janelle, I mean how can a man become women so suddenly”.

“as you study biology you will understand that there is a central nervous system for humans, and that nervous system works for any human, who is born as male or female. Only for a few or say 1 in,100,000, such system may not function”. She continued to tell “you to understand, there is bull, and ox, for ox the genitals or the testicle are castrated. And similarly for men but while they were small children and were copulated and abused before these things are done”.

“But mama, men have a stub, which people call as penis, how it will go away even if testicles are castrated”.

“yes you are right, only for such who shall be apparently and physically near to women, the penis is removed in two stages, but still they may not be like women. Only their little one’s functions will stop, because changes in CNS will be very dangerous. Such people are called as eunuchs and are not transvestites and hermaphrodites, in the anthropological sense. But people whose penis is removed are castrated men or chibras. Hijra in India are transgender or trans-copulation”. “Do the hijras leave the small stub and take out the testes only”

“In order to become a “true” hijra they have to remove both so that they are as close to being a woman a possible”.

He left, as if he gained lot of knowledge, she shouted behind him, ‘ always wear underwear, before wearing a pant to see that the stub skin is not in the grip of the pants, it will be painful’.

“Yes Mom”

There were announcements, that the government had offered, to jump the digital divide, provide free high-speed connection for the less privileged ,so that they can use same, to find a job, to do homework, and to stay in touch with the people you know. It's an economic necessity when it comes

to communicating, collaborating, and doing business on a global scale.

The home connect, was an offer that has given the necessary breathing to her brother's only son, and to some extent her brother and wife who are always at home. She told her brother and sister in law, that she arranged for them certain things, and hung the phone.

Things went on changing rapidly since then. With openly acknowledging their partners and relationships, the social structure moved up.

There were some nations in the Asia, and in parts of Asia some call themselves the orient. They always desisted any sort of marriages other than bi-sexual marriages and only such of the relationships.

But after 2015, finding huge marginal difference between men and women, these countries slowly made amends to their marriage laws, and living and work that all marriages irrespective of 'Lesbian Gay Bi-sexual or Trans gender' relationships are accepted. The increase in population in this Asia also could be a reason for the governments to accept such. Some nations fought extremely against any such which is not as per nature or not as per their religious text books.

More women preferred to say they are married and they are lesbians, and there were showers of complaints at the immigration counters across nations, with the Migrants marrying in that country and arriving home for short periods. The countries have started finding 'huge gaps in marriages of women and men who wants to run a social platform as a couple', and with no options left 'declared that men also can have a Gay marriage and live on their accord'. But crime has not decreased on women.

**The Doctors** then tested the VIP's. for infections such as schistosomiasis and soil-transmitted helminths, respectively. Some of them can be from half cooked foods, and some may be remnants in the farm vegetables, directly going to the cooked food kept in the Refrigeration compartments.

There is phone call Dr.Sham it is for you, 'YES', he almost shouted on phone.

It was his wife on phone, she is almost pleading "There is termite in the house and it is spreading". She waited

He almost shouted, "there is ABVD drug which i had been giving to that neighbor patent, mix it in 1,2,3,4 proportion and spray on it".

She again was pleading, "it is about pest in the house, and I am not asking about the Cancer drug".

He persisted in phone "You can reduce the dose to 1,1.5,2,2.5, and that serves the termite, forget that it is a cancer drug, it was originally used that way".

She shut the phone.

Sham asked his doctors, keep ready drugs needed such as praziquantel and albendazole.

Dr.Fernandez, has asked the center for disease control and other research institutes to spare their findings of tropical and other diseases.

The master data center is recording new findings about the countries where transmission of these neglected tropical diseases, are possible and trying to track these epidemiological issues.

Some of those like Schistosomiasis and geohelminths, are

integrated with rapid diagnostic tests for detection of infections and morbidity, and are made available by the institutes.

Some of the Tropical neglected diseases is Onchocerciasis, or river blindness, and Lymphatic Filariasis, occurring because *Brugia malayi* larvae inside the Mosquito leading to a name elephantiasis. It is very difficult to trace them in human body, immediately.

As much the drugs are developed, that much the drug tolerance and drug resistance are cultivated by the microbes in question.

This is another disease which is needed further analysis, on the residents of USA, near to north of Mexico.

The doctors were hoping that open cast mine areas of Uranium have not left any radiation threat to the persons in the isolation ward. The mines leave lot of carbon dioxide, and make a sort of nerve gas.

The public health has become such a complicated issue, where the possibilities are increasing day in day out.

The health of all the citizens is the ultimate goal.

‘Janelle, who was Johnson, was instant success in the campaign train of.’ The Vice President, Jackson. The colleagues and public were imagining that the VP is marrying Janelle.”

Janelle wrote speeches which have described the would be V.P as an orator.

Within a month of the starting of their tour to northern areas, they started feeling togetherness, they were dinning together, drinking together. The winds, the industrialists and the businessmen attracted to come to the meetings has made to describe them as fraternity together. Finally before he is near his home town of Nevada, they started sleeping together.”

It was pleasant, varied experience which has enhanced his experience that led him to think that Janelle is inseparable.

When he is in Texas, he proposed to Janelle and they married by the time they reached their final place, Florida.

He sent notices of broken marriage to his wife from California, and in ten days time he was retorted, and with his third notice and a suit in while in Texas, she gave up, and Janelle gave in.

That was it they married before the election results were declared.

Neither the IVF clinics nor changes of Gender were new advances in the history of mankind. In Mahabharata, apart the IVF clinics used by Sage Vyas ,to conceptualize the children, the stanch enemy of Bhishma, Princess Amba says she wants to marry someone other than his brother, and facing his rejection, goes to a god like person and exchanges her women hood to his manhood.

She becomes Sikandhdi, and Bhishma refuses to fight with such who had a copulation or sex change. This was at least around 3000 years ago.

Jackie, Jackson the Vice President and Johnson or Janelle, it was not a triangular love, it was Jackie or Janelle.

Jackie was working with Irwin on data modalities, she was instrumental in arriving at a physical structure for the Indian Universal Identification system known as UID development, including formation of the development of bio-matrices, checking their duplicity and then posting them to the systems and issuing the ID cards.

This has served the governments to find about the benefits of schemes drawn by different users for different purposes.

In fact the DNA synchronization is still not legalized in many countries, and that paves the way to isolate the possible culprits who needs a third eye to watch them.

They both along with their group have drawn the international recognition for establishing random third party checks, and avoiding the duplicity of individuals.

She is now at life odds, and do not have a proven path to sail the ocean of life.

She knew she has to get extra senses, to be viable in life, the standards are at stake for her.

Her father and mother were both living a nearby state, they owned the house, and each were having a social security of around \$1000, It was just for their living. The medical costs were never covered.

One day her mother had sudden fever and her nervous system collapsed.

She did not get any stroke. She was kept on ventilator for 2 days. Doctors were not sure whether her Kidneys are affected.

She came home, had sudden blood vomiting in next 3 days and died at the age below 60 years, which was far below the national standards.

Father has acquired the nervous immune system, where by his limbs have started to become non functional. He needed support for most of his works.

She went to him, and kept him in an asylum, and filled the medical insurance for him.

He asked her, let me have one day food with cooked meat, with all of you.

She controlled her running tears, and stood beside him for 3 days. He was asking where is your husband, she could not reply.

At the end of third day when she was leaving local mortgage has telephoned that her mother will is needed as the house is

in her name.

She submitted her death certificate, and collected the sum \$75600, and deposited in her father account as an FD.

There was a person from the credit cards company asking for payment of cards of her father and mother, she paid them the dues.

With no idea where she is heading she returned back.

## BOOK ONE-CHAPTER SIX

### **Big Data**

The student in a local school in Delhi, was asking madam what is it that Big data.

The teacher started telling, "Sham and others listen to me carefully, computers work on what we give them as a program.

Today we have many programs like JAVA, internet and others whereby we can create a system of records. The internet connection of each of computer can be identified with location and so the actual user. With that it and using a program we can connect the bio-metrics also".

'Did you understand that', the teacher, Alicia asked.

'yes madam, we are using internet, and we are using our ID cards, with bio-metrics, but what are multiple functions of universal ID".

While she was hearing she was wondering why her computer at times do not work properly. Even when adjusting to word and letter typing it jumps. While working on internet it becomes slow, says the net work is slow.

The teacher started "computers are made to some program, and such arrangement is called the architecture.

The chips are encrypted to the operation standards set by each computer. This is called the enterprise architecture as is the number systems computers use. Enterprise architecture also deals with Cloud Computing as an Information Technology Enterprise.'

'It moves the operating systems software and databases to the centralized large data centers, where the management of the data and services which are managed by an overseer and are audited by the third party auditor.

Earlier computers were using only binary language. But now we have programming languages and we have operating system. A mixture of all that mentioned above is computer architecture. Here the data is making all details of any one person in one log.

Sham asked teacher i understand that modern computers stores about my studies, house, job, water, electricity, motorcycle, license, payment of taxes, whatever of person and family are connected are stored with an assigned computer number.

Sastry continued where sham left in one go we can store ,food habits, medicines used, Genetics, Habits, Spatial records, Travel, crime records, blood, disease history of family, etc.

Alicia the teacher continued in fact the digital data is stored in logical pools, the physical storage is in multiple servers (and at many locations), and the entity is owned and managed by a company.

The storage providers are responsible for keeping the data available and accessible, and its protection and running. People and organizations buy or lease storage capacity from the providers to store, use, and organize”.

Should i stop for today here, she shouted, “No madam please continue we are following”.

Alicia continued’ The meaning of "Open Data" is needed to understand and analyses,say power production, use in particular area, capacity for payment, food output at each place, type of crop, soil, fertilizers used. These are the parameters for Development.

The required policies are amended for the development of a better society from these inputs”, it is a way to make mission impossible, a possibility”.

‘The data is to serve and to enhance human livelihood, and for knowledge sharing to ensure transparency, make accountability a norm and then prevention of corruption in governance within the region’.

Sastry “please get your computer, and connect to screen” she said. He started typing in search column ‘Delhi municipality’ as told by the teacher Alicia.

To his surprise, he saw a website name on the search engine, which he clicked as the teacher nodded.

He started gaining experience and the unveiling of a new data set, from the perspective of a young computer user which was a visual experience.

‘And I’m glad I did’. he felt.

The teacher was a little nervous at first about whether this never-before-seen data would catch the attention of Sastry and the other young computer users.

But watching them work with the data and build a collaborative working relationship with city leadership in the process removed any of those fears.

From incident locations to readouts on the demographics, he recognized what was happening in his community, and he started to ask questions.

Sastry has shown, the city Habitat, the drainage system, he went to water board, and then to the city police, which said the site cannot be accessed.

He typed in his log in address, and created a password.

There he could see the number of police stations.

The strength of staff, the number of cases, and the crime rates, etc. He moved to the Judicial systems, and slowly to the medical departments.

“Then Swarna asked to teacher Alicia ,if I have a complaint about theft have I to go to the police”, “No once you lodge a complaint, in the user space the police have to come to you, and so the other utility services also”.

That was what the Data collection and preserving agencies were stressing across the world.

In fact the data of each item is separated like the Airport users, cab suppliers, cab users, etc, but it is all interconnected to get a single log of any given event.

The transition from old system and the structures is done by several departments spanning from Newyork to the Geneva, based on the agreed schedules of all nations in September 2015.

No one anticipated the possibility to store so much and retrieve faster can happen in a span of 15 years. It was in 1999-2000,year the Y2K,problem existed.

2016 marked the beginning of new Era in history.

Edwards, and Irwin, were managing to interpolate the data from a dozen developing countries.

They were sending the spatial records to several corners of the globe. Their first targets are to assess poverty and Hunger, their second were health and education.

There is almost 500 Exabyte of Data stored at different places, at least 1% of this is accessed every day. This is just 2% of all humans use.

There is Ratna, and Dinesh using the data from a dozen countries which are well developed.

The third party comprises of Ishar, and Mohemmed who are manning almost all other countries Data. The data is

segregated and stored across many servers in different parts of world.

The fourth party comprises of Bethink, and Sari, along with associates, who are into smart or Sustainable city, architecture, design, desirability etc.

The fifth party is at an unknown location, in Canada, and Australia, split into two groups headed by Mary, and steward, who change locations, and monitor the money flows, across, banks, financial institutions and the ATM, located across. They look for indecent behavior, and independent operational characters and where the smell of money goes. They are assisted by special group of Interpol agents.

While they were collectively working, they suddenly thought of the power generation and consumption, which were showing terrible increases beyond any assumption. The data consists of possible health hazards, spatial disorders, and developmental program.

The list is enormous, but from frequenting bus user, or any other transport user to the persons who are rich, and such who need help and doles, were also listed geographically. The lists do not name or show the persons who are always in conflict, and who wants to encroach up on the privileges of others. Some call them the thieves.

This is something assessed regionally and strategically by each country, they got the answer. It is the populated countries of Asia more hungry than the just developing African countries. In both cases the annual increase is 30% and 20% annually.

There is another unwanted thing noticed, the currency circulation, instead of using the e-banking and e-commerce, so that at least there will be a decrease in the use of currency by 5% annually, things were moving faster and in fact money is used in many transactions. This is understandable but needs a check.

The system of Banking, taxation, and interlinking property are not foolproof, many accounts are created, with fake ID. Counterfeit currency and fake reserve system, money creation by unauthorized sources and its circulation. It is also same if the money ownership and control falls beyond social boundaries. That has its own effects, on the country and international banking.

Data is abstracted by sex, age, geography, income, race, ethnicity, migratory status, disability, heritage, culture etc as described earlier.

We will be back to future in another 30 years with all modern developments.

Data needs to be turned into useful, actionable information. Technical and financial support is required to build human, institutional and technological capacities.

Enhancing the capacity of national statistics can involve legal reform, institutional building, technological infrastructures and human capacity – all of which take time.

Shifting the focus of statistics from national aggregation to sub-national segregation requires major investment in Geo-spatial frameworks and technologies.

Some one questioned “it is infringement of private life and liberties which the world guarantees under many constitutional rights”.

Introducing health and education management information systems means training staff in every last clinic and school.

There were reports some governments are not interested in monitoring schedules, in fact by 2019, at least a dozen nations have asked the third party evolution schedules to be withdrawn.

Medical records and insurance claims of the citizens are integrated into one block. Paving way for integrated management of health systems.

In an area a given community is rich prosperous, but always drawing government funds to spend for welfare schemes. It was pointed out that such issues gets highlighted in the Media and the image of government will be either at stake or it gets tarnished. With no visible signs as to why a community needs government support in respect of higher education, the community is drawing funds showing the ID cards. It is a split decision.

An area where there are no toilets, is not getting government attention at all, and the emission of Methane into the air and GHG addition in area is getting concentrated, with soil transmitted diseases on increase. The area where no designed water supply is available is also having a perennial water-logging and drainage problems. Governments have to raise to reduce disaster dependence.

There were places where all eight schemes of government are cornered in single house.

That is Ration of Rice at Rs.1/- per KG,[2]Construction of house with government funds,[3]120 days of work [4]Gold interest abolition[5]Provision of interest free loans for farming[6]Engineering Education fee reimbursement for children[7]Fertilizer subsidy[8]Girls education and other

benefits, some among many benefits given by the governments.

However the family is not having benefit, because[1]The elder family member switched from country alcohol to conformable alcohol branded and made in distillery[2]The boys and girls of family educated but could not get jobs. They wanted to live away from the father and mother. The father has almost deserted farming and started leasing their fields.  
That is the data.

Ratna asked Dinesh,"How long it will take to know about the money in the vehicles, in the ATM, and in the cash chest, she continued, on an average on a Monday morning".  
Dinesh said,"Ratna, I am getting screwed, I wish I was born impotent".

She looked deep into his eyes, to gauge any bad intentions in his mind, but there were apparently none. She knew, she kissed him several times, in times of deep distress she asked him to perform copulation on her, and sometimes he asked her to allow him to have copulation, it all started three years ago. They were in one class, now he is married and she is having children.

It is dishonesty and cheating their partners if they now look for copulation.

"What is it she asked". "We are having unknown visitors, and let us take control of all the equipment, and mobile, and Systems controlling all Vault services across".

She said, "but we need to inform Calvin, or the Dy.Vice Presidents". "Ratna, there is no such time I am locking all these 10 countries, please inform the concerned that there is

unusual activity of flying vehicles around the cash chest areas”.

Finally he asked “Ratna, has anyone developed, stand type helicopters, where the engine is on a stand, a top level rotor works to take directions as well allows to fly. A human can strap on to the stand in to an erect position, flexible wings are tied on to the hands of the humans, and finally there are batteries which draw sun energy by way of solar panels”.

Ratna asked,”Dinesh if you are getting any picture of such an instrument,please record and distribute”.

So Dinesh was busy with his recordings, whiling sealing more than a thousand servers autonomously. More mobile control towers and so the mobiles have been shut off autonomously.

One of the days Dinesh was telling that he acquired some properties, because of sudden demise of his father and mother in a year.

His relatives and brothers have left the old in a collapsing old building. There were no medical facilities around the area. The huge land itself gave them more than Rs.20 crore.

The Hindu succession act is clear, but the layers needed more time t obtain the clear title certificates, and find a buyer.

By the time the buyer is in place his C.A at USA has told him that all such inherited monies he needs to pay tax in India, and in USA. Ultimately he could get 50% of the value of materials sold after the payment of brokerage, legal charges, and taxes.

He was wondering what he will do with the money.

Many times he went to local temple and to declare his intention, on seeing the structure of the management trustees, he was not sure at any time his father and mother name will be there at all. The defective society laws are a source of corruption everywhere.

He went to orphanage to donate to build a new block his contribution of \$100,000, will be useful for them but they do not name the blocks in the name of dead people.

He remembered what his grandfather was telling, “the salt and camphor look alike, but tastes differently, the good and bad people look alike but can be differentiated only by their deeds”.

## **BOOK ONE-CHAPTER SEVEN-August 20 Th 2020**

Sirens were blowing, like whistles everywhere, an anti alarm system started ringing, in each of the cash chest managers, cash management area.

The moment alarm, rings, the entrance doors are closed for the huge single cast concrete halls.

No entry for any nor of exit through any special doors, forced ventilation is on, special hidden cameras, inside the concrete, embedded with special stones starts functioning, and it is transmitted outside.

There were a dozen Chinese made small Unmanned Aerial vehicles tried to land near the areas, where cash, gold and diamonds are stored. It is in 4 corners of city, and at least 6 companies use the place.

Chandra said that they have high payload UAV, and human helicopters for transport.

Some time back a person with a different nationality, could be Chinese, or Philippine has asked him “I have old notes which are almost ready to smell, use them in ATM, and next day you reimburse the money less 10%”.

Chandra said, “Such business is risky and needs time and more commission”.

They agreed for 15% commission and a week time.

At the end of week, he is left with more than 100 cores. His partners appreciated his guts.

The same person came and said I have 100 cores counter fiat notes, give me 50 cores.

They compromised for 25 cores payment. The business was flourishing.

Chandra said unwittingly,” I am in the habit of giving for small interest to contractors, for weekly loans, it could be few

cores.”

Everyone knows that these companies lend for contractors with property pledges for 22% interest, and in his country he has 4 chests, few cores each place could mean at least 50 cores.

Last time one of the contractors could not pay the money, he became bankrupt, his properties pledged with cash chest managers have turned out to be false.

To avoid an alarm, they have adjusted the book of accounts under expenses and establishment, payment of termination charges, bonus etc.

They deceived the employees by falsely implicating them in false forgery cases, and seized their properties and bank savings.

The employees on whom false cases are framed are still in jail under the criminal conspiracy acts.

The Universal Identity program (UID) which is a fascinating case study, and is approximately Rs. 180 Billion (US\$3.4B) project has not given the gate way to find the crime.

The banks have the records of ownership of the false properties, while they are still not vetted in to registration offices.

The low level of computer education with bank staff have made where if at all the fraudulent money has gone.

The tax authorities lax of knowledge have coupled to underestimate the adjustments in education and infrastructure sectors.

The government saying that the UID project will provide each of the 1.2 billion people an identity and that this identity will be their ticket to upward mobility in ways that the current systems cannot provide, has not caught hold of the money laundering.

The financial frauds are punishable under criminal act.  
They are never to be let off.

Anupam, a man from Mumbai said, 'we have 4 locking systems, and we help gambling dens to take weekly loans at week end ,it could be about 100 cores ''we get 25% interest, we can replace but if it is not found then we are safe'.

One of the Dens off the Island near Mumbai, Kakinada, have been developed on the lines of Vegas, after all politicians sons next in line and businessmen need them.

There was a gang war, for more than a month.

They used to fight among themselves when police are not there, the booty meanwhile is taken away.

They lost more than 30-40 cores in all the three places in a month. The boot is looted.

Illegal liquor and girls on prowl have become costly.

Lots of liquor was thrown away in drains every day, which was mixed with mandrel or most commonly known as Mx.

These medicines are also known as mandrill medicine used to generate more kick and drowsiness, which shall help in conterminous gambling.

More importantly the human bulls who act as thugs' needs maintenance and feeding them with food and female human cows have become costly.

Either of them know that they are being photographed in a video recording.

There were huge lines for ration materials across, towns and villages.

The message is in computer that it is not getting connected to the state servers.

A few universities have graduation ceremonies scheduled on that day or next few days, they started getting printed

certificates with people who already completed and left, or who freshly joined.

The veterinary Doctors stopped the treatment, for the day.

The mental hospital the wardens, and the occupants were running for their daily dose of tranquilizers.

The big stores which have packaging and distribution system found that the computer is not functioning properly on the net, and the delivery on to the packaging conveyor was some other medicines.

The doctor treating the mad dogs did not get his quota of medicines as his shops are closed.

The prostitutes started running haywire because they could not arrange condoms from the vending machines for their clients.

Many trains are halted on rail tracks, the whole system looked like a collapse.

The system operators are alerted by the administrator. Log in to special alertness, use the commands, Prime, and when they ask, say deadly.

The systems cannot go hay wire, nor there can be any super bug to down all the systems at a time.

‘These public utility services have one common thing, and that can be UID, and an attempt to break the system can generate certain problems’.

It is same in case of green cards or the SS cards of some countries.

‘When you are into it, you cannot alter any function or system, but you can feed whatever is happening, or give a string of commands, which the center takes up’.

“Remember your system is no more inter-active and runs

only on a single command”.

‘That command is run from the control room’.

‘Log in to the control room, web server Cisco systems on video,R1001,2,3,4 etc for railways, and similarly notified for others’.

Inter active video is like a webinar, and we wish to continue say 24 to 72 hours on this.

“Remember today is august 16 Th, may be in 3 days time we will improve”.

The existing server connections have been detached, and servers are halted not to give any feedback on any such illegal browsing.

Local server controls have been activated as stand by,in a span of 3 hours except the banking all other systems started working normally.

The local contracting company of Kapila is under few names, who remotely knew anything, they live in the Dharvi slum of Mumbai, come and sign in the dotted line.

When the accounting systems of companies are streamlined under law, Kapila asked his CEO, ”what should we do”. He said “we will close the company”.

Sooner the CEO has declared that “the company has declared that it is bankrupt, and insolvent”.

With that the few cores due from the clients have gone in drain, “as address not found”.

Some banks frequently announce some old frozen accounts, with either securities, or with some sort of Gold and diamonds in their custody, to be collected by successors. Not sure such amounts from such accounts are treated in their yearly accounting systems.

## **BOOK ONE-CHAPTER EIGHT-Health services**

The doctor checked the patent, and verified on her computer the last things he wrote for her, It was on his desk. He was happy, and wanted to change the medicines, then he went inside the documents page, and tried to access, her page it was in vain, he was not logged in, the web page not available, he was searching the medicines, and found some other odd pictures he was getting. He left there, went to the next patient and tried, same thing no records.

An announcement said on national radio that the data is safe but it still cannot be connected, as many web servers are infected across.

They did not say, that the systems are down, due to faults in servers used for auto backup..

The cameras for traffic control did not work.

They found no cash is coming from the ATM

The Airport terminals everything is stand still, the printing of boarding passes did not happen.

Someone knows how to do the crowd sourcing, and he did it.

An announcement came in a few hours the systems will start working gradually, it is on Radio. The emergency system is activated. Not even the Mobile phones worked.

Malaysia, like all other countries, the buses were running from place to place.

The highways were intact. Car Driving was comfortable.

Electric Vehicles could not get power.

Many countries pressed their armies for protection of people, and relied heavily on announcements to be made by the international agencies, maintaining data bases, segregating it and advise the nations.

Nothing came on that day.

It was pitch dark almost in half the continent, except for personal generators.

It took almost 2 hours to negotiate the code red symbol, in Europe.

Alternate local servers of each country were activated as per specific instructions.

The systems except the underground railways and banks have started functioning within 3 hours.

Local loop was followed for power generation and transmission.

Serious cases of medication is based on observation, till such data is available from the computers.

Operations have been postponed.

Emergency cases are prolonged for the day.

All generators have been activated.

The medical shops are run on verbal, or prescriptions on paper.

No bills, no delivery by courier. Ishar, and Mohammed, has started working on how to send Data, in pieces to local loop.

Their idea is to have un-compromised Data available to the Users.

There were nil causality.

## **BOOK ONE-CHAPTER NINE-2020 End of August**

**The Earth has not changed its course.**

The reversal of poles has not happened.

A declaration, simultaneously from, NASA, Soviet space agency, Euro space agency, the queen's office, and from the presidents of many big states said," The aligning of North Pole measured with reference to the equator was static at 23 degrees and.45 second as in previous years".

"The new horizon telescope is showing some planets nearby, while sometimes, the planets such as Pluto, Jupiter were looking very big".

This is NASA, I am Jon, the adviser to the President I am on RADIO, I have to say this,

"There were burning spots on Sun, which have increased in number and size in recent months, or say years"

"Earth may be going near Sun by few hundred kilometers".

Jon said "The heat is high, the data can collapse, and has collapsed".

All possible care is taken to preserve the Data, and there are backup servers.

First we are activating local loops.

In a few days a declaration came from the country head quarters that 'the Vice President, contracted along with some staff, an unknown bacteria in Benin, west Africa, and later traveled for 30 days without recognizing.

The doctors have found on his arrival that he had more fatigue than what used to be.

He was kept in isolation wards after a long list of check up, for each of the Chronic expected bacteria, and virus.

Nothing was found, and is almost safe and healthy'.

In fact the immunology of each person is quite different,

rather it is Genetic.

The blood stream itself can safeguard from many of the biological warfare in the body.

The higher glucose level the better is the protection.

Hemoglobin gets improved with glucose, and many Antigens can live when glucose protection is high.

Antigens represent a different story of genetics.

The Secretary who was to 'swear in 'as Vice President of the country immediately, is put off indefinitely as he is already acting, as the Vice President of that country.

The groups associated with the President and Vice President, celebrated, that day.

There was band, Salsa, and some clubs have Jazz.

It was a day for Alpha women to test the Aldrin and Testosterone flow in men, the search for a bull is on.

That is Nirvana.

'The not perfect thing' was for the deserted wife of the Vice President.

She was as mad as she used to be, and said she needs a medicine to get hold of the new wife the Vice President has married.

She as Jackie has to attend the Data trivial problems .Irvin has called her and told her to talk to Ratna and Dinesh immediately.

"There are unusual happenings at the Vault storage places of Money, these Vaults are for supplying money to ATM and Banks", he hang up.

## **BOOK ONE-CHAPTER TEN-Flow of Information**

1.Martin blew the head, he alerted his companions, that small nuclear reactors are made to suit the pistons for cars and Aeroplanes, and someone is also using the information of many research findings including that of NASA. He only likes his 3 inch long blue 'Hookah' smoking, from his bubble pipe.

That apart he likes the clubs where the playing of games, or wealthy women are looking for friendships.

He likes plenty of scents made in Turkey, as much as the Turkish cloth.

The women who can beach, but are smooth, and he only takes care of his penis, by using his high class condoms.

No date is wasted, women enjoy and eat the powder, some smell it, but others keep it between the lower jaw, and lower lip.

The swings while having the white powder with women were enormous and extraordinary

For Some days they are weak and immobile, after long thunder balls of give and take.

Sooner they give him a call ask for his or any friend who can be like him.

He is a bull of his class.

The big feel they need to punish him, so they succeed in driving men out of power.

Many have real power, they search for his address, phone.

He gets at least 4 or 5 invitations a day, a yacht associate, a Manhattan entertainment, a Panama Canal ride, call it.

It was a big bank, and the the voice of calling person does not indicate the sex of the calling person is not known, but said

two days spare time they [it is single person, with unknown gender] wanted to spend.

The word is he is big, and only rich can afford him, he is willing and available.

FBI, agent Warren blew the whistle about the activities of Martin.

Now the news is in the other side of the circles also, every officer carries his photo, expecting him to cross over.

Francis alerted, and said that there is a great deal happening in bio-technology, and some organizations in South east Asia and Africa are clandestinely obtaining the information on DNA sequencing technique, which is the future, to control infections and cancers, and is simultaneously researched at some more organizations.

He is a 'dagga' and uses 'Marijuana' from South Africa.

A stylish looking man, all young graduates are always around him. He is thin, and when he is with his dagga, he is isolated, when he is with his computer, he cracks all codes.

A nearby Joint was raided, when some news reached the police. In the process, a police officer checked for IP location of the computer which raided the financial transactions of the joint.

He got it, the details are on the web.

3. Maria mine has sent detailed list of Cash chest and ATM, machine managers across, important cities of world, their liquid cash, vault storage, and the codes. She uses 'Heroin' in powder forms, and spent many togetherness nights with friends.

The police could get no records of them. American highways are a place where any accused can travel for a number of days without being caught. As much is the borders on south, that much are the docks in the east, where escape is a

possible solution.

She is the good young prostitute whom people love all night. She does nothing, but supplied the wanted women. She supplied the smoke, lent money for huge interest, lent very good premises.

She makes the woman who asks for copulation to enjoy it. She stands near them, and that along with any money has helped many to get what they wanted.

The IP address of joint from where secret operations including breaking a ATM, happened, was a turning point in her carrier.

She used the Google, and Blackberry, which she bought in Asia, she was aware that decoding the IP address of such and Satellite phones is very difficult.

It happened, in a month of her works more footprints she established, which, Marcella, the new recruit police officer has found with help of forensic experts in Science and Engineering.

Marcella studied earthquake engineering with Hybrid simulation system, to get more accurate results on the ways and possibilities to arrest damages.

She started applying the forensics for failure of structures. Her knowledge has made her to be aware of Maria activities.

## **BOOK ONE**

### **CHAPTER ELEVEN**

#### **Data Under attack**

He was running, sweat falling from his head on to the escalators, yes he is on an Airport escalator.

The last call for his flight is announced. It is Nasik, somehow he reached there to avoid the Plastic trivial of Mumbai.

Bethink, and Sari, along with associates, who are in to smart or Sustainable City, architecture, design, desirability etc, have stated that the Drain works of Mumbai are falling short of expectations.

It is Mary and Steward who ran a SOS, stating that irregular activities around the Cash chest. The sensor in built in to the sky are giving alarms. Unforeseen activity, visual images state that there are UAV and other vehicles in sky.

There is an escort with him, in the long corridor connecting the first floor of huge L shape building, many gates are provided, for making the number of telescopic bridges for parking or docking of the aircraft.

The number of carrier on each of the arm are at least 6 numbers, leaving sufficient space for the parking of double Decker 350 seated Boeing 707 category craft.

The huge crafts are still made by two companies in the world, Boeing, and Airbus.

The airport terminal gave a signal for the aircraft to land.

It started its downward decedent flight.

Calvin is the name of person.

The pilot brought his engines to a slow speed, cut off the ignition and throttled the engines of. The craft made its

landing and moved to the parking and then to the aero bridge for the passengers to get in.

These aero bridges are less safe at times of fire, but built telescopically, with hydraulic shunting, and end rubber elastics for joining with the craft.

The hydraulics were at perfect work.

He was wondering how many arms can be there.

Each arm for 6 jets, and at least 5 such can make the Airport to have an occupancy of 10,000 passengers at any given time.

That is 30 jets say 12 hours and 200 seating capacity adds to 6000 plus capacity at any given hour.

Estimating the time for the landing boarding and takeoff at one hour and 20 hours working the airport handles at least 0.2 million passengers a day, that is huge data on the computers.

The city population is less than 2 million and if 0.2 million traverse the city every day the richness of city is known.

But what is not there on data is the gender proportion, and the safety of such transport systems in case of any given disaster, including fire, wind, gales etc.

He has a sinking system under his nose, he is a public system manager.

He has reports that his systems are not allowing axis for drawing pensions, forget about the medical insurance, and medicines.

He cannot explain his absence at work. He has to have his leave. His boss knows that his wife is frigid women and he goes to relieve his adrenal fatigue. His body aches, fatigue, nervousness, sleep disturbances and digestive problems will come down when he is with Zia, at least once in a month.

The suck of it, he knows now he has many more items that needs to be relived.

Mumbai is such a place his girl Zia maintains a flat, and she is only a data architect in a company. She married some time ago, came to Europe.

They loved each other, it was a perennial, she has relieved her husband all his valuables in the name of domestic violence. She is alone and all his now, a baby is expected in another 4 months. He is really relieved.

He was caught by traffic police for speed driving and magistrate fined him Rs.2000/- Indian rupees, and 24 hours Jail.

The first day health check up was done, they collected his blood.

He was not sure why they need it in Mumbai, for visitor, he is not even an immigrant.

Some were dressed like girls but by appearance they were looking like men, may be the Hijra community of India, they were also along with him in the cell.

One of them was telling him, have Rs.1000/- he said i have but why.

He, said open up, he came nearer and unzipped his trouser and placed his hand inside the cut drawer.

Stunned he was, he pushed her back, and zipped again, are you a mule are you not a man she was shouting.

Luckily to his help the constable came, and controlled them through.

By morning he was released, he shelved the Rs.1000/- to the constable, and another Rs5000/- in station.

He had surge of his nerves, he missed his experience, and he could have paid the money to him.

But safe copulation, he did have at least condoms in his pocket.

He ate his food, and started sleeping in the flight, some one said, pointing a finger at Calvin, he is almost unconscious. The liquids did the damage, then he remembered the Doctor's behind curtain telling, we had his DNA profiling, and we have also had injections to be done on him.

In unconscious mind he realized the mistake he did, he did not carry his diplomat ,UN passport, or identity badges. He is sucked, now more than what Zia does to his life in Mumbai, it is exhilarating, and also sickening. Each time he comes he almost spends for her \$10,000, and is with her almost 3 to 4 days. She gives Ecstasy products to him and keeps him in her thumbs. Whatever she gives makes him to run for it every month.

His accounting goes haywire, and he has to draw the corporate funds to make for expenses. He is unable to explain to his boss about 100,000\$ unaccounted expenses. Last time when he saw this he said add another of his \$50,000 miscellaneous expenses, and submit whatever accounts possible, and he will approve all.

Doctor, 'how is my husband', she was looking at the man on the stretcher who is Calvin. She is Loire. There is Edward and next to him is Irwin. The women along with two children is standing outside the Geneva office.

The group alerted the onlookers, and asked them to make way, and in the corner of his mouth, the special person, who does not look like a doctor, but who is in his attire, without a stethoscope [a medical instrument for listening to the action of someone's heart or breathing],said,

‘We are moving him to the special chambers, it will take lot of time to reply you, please go to your hotel and wait for our message’.

He alerted his staff and others, please put on radiation clothes and masks, and start moving this gentleman and others to the special dark chambers.

The dark chambers is a dimly lit room, there is special air circulation, each one has special gas, or cleaning chambers, in which they are caged.

“Their dresses are still not removed, special medicines including natural medicines with incubator are supplied.

There is a television on the wall and on the wrist monitors connected to the television, there are ear phones hung to their ears, with special recording machines strapped all round their body’.

There are inhaling air freshening odors and smells of, tulsi, antibiotics used, Penicillin. Turpentine, kept ready and other safe Vaseline’s are sprayed on the body stretcher, except on eyes, and face.

**There is** continuous spray of water around the stretcher, which were in glass encloses ,in and out side, and water drained out to separate drains, and then nothing is known about the water, about the ventilation and air being discharged from such cabins, which could be around 20 nos ,and fully occupied.

Nothing is said in this year of 2020, what it is or when they will be o.k.

There were sudden phone calls to the diplomat wife, she has not lifted any.

There were messages, some were delivered to Calvin, Edward and may be Irwin.

It says Calvin had an extra marital relation in Mumbai, and the Lady Zia is pregnant.

Someone sent more codified message, it is not clear, it says “when Calvin is visiting his girlfriend why did he visit Nagarhona NPP, on 14 Th august, who he is aiding was he in the reactor building”.

The direct threat is to remove Calvin from services, another says, “send compensation to a radical organization by \$200,000 immediately or forego the job”.

The fish is in the catch, and the Great stink of Mumbai has played one more role.

The clogged drains have the decomposed human and food waste, producing germicide, microbe, pathogens, and enough malarial parasites on floating waters.

The dying animals and decomposing rats were enough scenes to imagine what may happen. There can be any occurrence to that of Surat, Plague.

The directive is circumstantial and is binding.

The state is running pillar to post.

## **BOOK ONE-CHAPTER TWELVE-DUBAI**

**Two conferences are happening simultaneously in Greece,Arcadia**,headed by Mr.Manuel[M] and another at Heraklion port,attended by Mr.Xupa zing[X].It is on the same day on 2020 August,16th.The conference of Italy is happening because some agencies are forecasting monies for future projects,and it is in the The Mediterranean Sea.The conference is by invitation only.

**This Mediterranean sea** is connected to the Atlantic Ocean,and connects the Black sea,and through the Suez canal to the Arabian sea.

M,Manuel,waited up very late that night and at two o'clock his patience was rewarded, a red code message appeared on his phone.Follow all the establishments using the Nuclear fuel,there is a thousand tonnes of processed fuel,was shipped in very small quantities,using plastic drums covered with titanium.Use all the secret contacts world wide,and trace it.He is notified by Mary and Steward, that irregular activities around the Cash chest.

In 2014 there were some 437 nuclear power reactors operating in 31 countries

In fact the 2014 projections have gone haywire,resulting in huge increase in the fuels requirement.He sent a coded message to at least 6 people,there started pouring in messages on his mobile and computer.

A group were caught at an airport in India,with 100 kg,of metal.An other air-port an individual after another was caught with at least 1 to 5 kg.

It is estimated that to produce equivalent of 2400 MW coal fired power plants uses around 200 tonnes of Uranium per year.That makes 500 power plants use every year 0.1million

tonnes processed fuel. During last 5 years use is less than 1 million. However it is estimated at least 1000 tonnes is finding its way to different users. Even if it is lying idle, or thrown in to sea it is a hazardous problem.

Hence the instruction to trace the fuel supplies. Mean while there are structural changes banks have made to find about where from the money is coming for any such covert operation using Uranium. In the process they wanted Dubai to be one of the centers, based on the recommendations of Edwards and Irwin.

Marcos was the made head of an important bank, and was posted straight to Dubai. He thought his qualification, has earned him the job. Others thought his father's influence has given the job, where he deals with offshore investments and Banking.

His receipt of investments at Dubai are of varied variety, in fact he was wondering how nameless companies get investments from many small countries, like Cambodia, Vietnam, Malaysia, Ceylon etc.

One day he had found a e-mail, routed to him by one of his college, it was astonishing saying the share appreciation the Arabian companies, and dividend declarations are high. The investor do not want these to be sent to their countries, through any banks, they wanted a route to be followed.

It was one of the mighty in power, 'who said that the money parts shall be given to two contractors, working in the region, into their accounts or by cash'.

His next colleague is from India, who has worked in USA, and then earned his way to Dubai. He is most preferred offshore banker who frequents to Hong Kong, and Singapore.

He caught the imagination of many people while he was in the vault rooms, of several of the branches in the Arabian Gulf.

His interest was how the money for ATM is handled. He has not got an opportunity to know that he is the son of Kapila. And Kapila is son of Nagu, etc.

But he knew him by name Asoka. He called "Asoka, we are at loggerheads, I am unable to access the web server to send money to Japan, and Australia, can you find the reason".

"Hey fool it is easy", and he started searching, next to him stood the high profile Kum, who was not so beautiful.

She drives his craze for money, because apparently he is friend of her since last 8 years, and he lost more hair in that period, which is contrary for the women who drives the testosterone, men with that drive look much younger and healthy.

Kum said, "your father Kapila is on a vogue trip, and in the evening you need to meet him, in hotel, Hilton".

Marcos noted that his father is Kapila, and is coming for a meeting in the evening.

Kum, immediately started adjusting her inner wear, her shirts, the tie, and wore her suit.

The suit was so elegant, and matched to the style of her curvy cut hair, on all four corners. The hair had a slight golden brown dye.

To her mid charm, and less nose, the things hanging from her ears are more of 10 carat diamonds.

Once Ahsoka said that he got Diamond rings of 2 carat for him and wife, and 2 carat earrings for wife from Surat and Hong Kong.

By then he was vexed and finished his trials, lifted his phone rang to Japan, and then to Sydney.

The calls fell half way thorough, he ran with Kum, grabbing her arm.

By the time in his normal way he gained his experience about handling of Cash chest management companies for ATM, it all happened.

He is into it, Asoka did it, he started reporting to M, about Kapila, Kum, and Asoka.

Some where there was a person taking away a group of camels for transporting rations to an interior place, where water ponds might have existed.

He could have excited about the use of laws listed by Telling & Duxbury's principles of Planning Law and Procedure being implemented in the desert.

There are ample hot winds blowing with water becoming vapor due to shallow bay. The sands below water are always visible. Many times helicopters make lot of wrong sorting. Earlier his grand father used to take donkey also for grazing. But now it is only camel, the donkey is no where visible.

## **BOOK ONE-CHAPTER THIRTEEN-The Meeting**

There were several girls in a van,could be Bolero vehicle,followed by Mercedes cars,and some more vehicles.The girls were talking in high voices as if they are going for picnic.

One of the girls appeared to be from Europe,with her dress,accent and hair color.The area is,coastal Andhra Pradesh, to the delta region of the Godavari river.

On the streets of a village life seemed as benign.

Little shops for cigarettes and sweets are every corner of street on main roads we find at least a dozen opposite to each,and the cows were running here and there across the streets,the men have removed the milk with their hands,some places the women does it.

There were men riding bikes on their way to the market,some have bananas tied to the handlebars,there were others having their fresh vegetables tied.

A jeep going by with some policemen poking their heads out. Suddenly the jeep stopped,in front and ahead of them they could hear the shouting by the girls,one of the girl from the Godavari district,'Deepa,has vanished',that was what one of the men said to the police in the jeep.

The European got down and rang someone,in a matter before she closed the call,there was a call to the Circle inspector in the jeep.The contents are 'a beautiful girl given by her parents for studies in Europe is missing'.She is not in the party who are heading to the Airport to London.

It is time when they are making arrangements on river Krishna for its 12 year holy festival.It is in 2018,August.

There was a report that a 'ship on the west coast near Madagascar was caught with at least 100 tonnes of the yellow metal'.

The inspection teams were almost 'closing in' and 'caught another 2 ships',and 3 airplanes all accounted for 800 tonnes.Two hundred tonnes is what the world shall never knew.It happened.

X,or Mr.Xupa zing,was waiting to gain to know how the stock markets worked,he called the experts,for dinner.There were young girls,who could be as young as 15 years.Puberty could the word for a male or a female of that age.Accompanied by at least another 15 women,who were serving the guests.

There were almost 20 guests,of this two three brought their computers,and started connecting to the screen.They will make a presentation to the guests.

One gentleman from the guests ,we have the Horse races,we also have gambling and betting at our Hope Island,we also have general lottery and betting systems for cricket.

I think this trading of shares is such that whoever invests more money into company,and has greater share in marketing controls the share prices.

Mr.Chary from Edmonds,and Mr.Raman from Diamond company will give how to evaluate the company,and how to manage the share respectively.

Mr.Chary started with a slide,the company is evaluated based on the product,the competition,its quality tools,marketing techniques,the promoters, its financial strength,and cash flow.

How ever it do not mean the owner may not relegate to other projects,he may take out his shares if he finds another project with high returns.

There is another problem is the R&D,in some cases like in construction companies never happens.

In fact the R&D,is specific for each project,and happens at that site,similarly giving weight-age for earlier experience in construction is also not advisable,because the employees are paid by the project and hence there are no IQ,acquisition.

These two,and its long standing in market shall no way be awarded any marks or money over the base rate,

Someone said in construction there are no 'Emotional quotient' and so no 'Intelligence quotient'.

Face value is the nominal value of a share. Every share gives you a proportionate ownership of a company.

However, it gives you no direct control over the day-to-day working of the company.

It is also known as the 'par value' of a share.

Important thing to note here is that a dividend announced by a company is always on its face value.

So a 20% dividend on a share of face value Rs 100 (will be Rs 20 dividend) will always be more than 80% dividend announced on a share of face value Rs 10 (Rs 8)which the market regulator prohibits.

Thus making the company to offer shares in lieu of dividend.Premium is the extra amount charged by a company from investors above its face value for buying that company's shares.

“There are no limits to the premium demanded by a company but there are market dynamics like a company's net profits,

its business and management can decide on the premium apart from a host of other factors”, concluded Raman.

But these shall be visible statistics at least for last 10 years.

The guests started eating, some were still puffing, and drinking. Hookah, gutkha, and other Marijuana etc were widely circulated, along with small packets, which people were keeping between the lip, and tongue.

The young girls were dancing to rock band. They were changing multiple partners, their padded bras were showing no signs of their feelings, nor there were any indications as to how profound is the pads they had behind their bottoms of skirts, in a span of half an hour, it is an indication that they are hired.

The men were trying to hide their erectile functions and disorders and frequenting the toilets.

There were group of women who were crisscrossing men at the near possible toilet entry, and moving with wanted men, to side enclosures. May be they get what they wish to measure. Some one, he could be Chatterjee, said from a corner of room, ‘how are the shares manipulated’.

Then Chary said, “if someone is interested to take over the company, or kill the company, then he picks up the available shares on market, on each trading day, then the share prices move up at least by a percent on each trading day”.

“That makes the people to sell the shares, at say 5% extra, and to gain a hold of 6-8% of the equity, the shares can be purchased in open by the persons who wants to kill the company”. He gasped and continued ‘it is a open relationship’, ‘where the Beeta man closely goes after the non Alpha women’.

“Thus, one spends almost 40 to 100% on share costs, over the market rate”.

“The share value thus becomes volatile and unless supported the company is killed’.

Chatterjee said, “i think this is a picture where there is no relation between productivity,earnings,and is equal to gambling”.

‘Yes many shares value increasing have no relation either to the profit,or the market,it is more of political patronage or a financial miracle anywhere in the world’.

Concluded the gentleman.

One Gentleman asked if we can have public hearing about any matter of importance,then why not question them about their intentions,payment schedules and returns publicly in front of a Magistrate and record the proceedings.This stops many greedy issues.

The meeting almost came to a close.The bars at Greece are never closed.

Mr.X.,is already on job,his face stood red and then turned to pale white.

The work planned by some group,but supported by an identified group of students in USA,is happening. ‘The ATM are under loot’.

The equipment used are typical,and could be made in these regions.

He relegated to his place started changing his cloth.The assistance of Satya,as expert in Forensics,languages,and understanding the deals is missing.

He was an asset.

The system used is simple,a person intercepts each vehicle,talks with the driver and then to the accountant,he introduces himself as one from his village.

Another joins in conversation,the accountant asks the driver and the guard to let them sit in the front of the vehicle,after they reach an isolated place.Then they tell them they get some cigarette,get down joined by some people ,over power the guard and driver.

The money is driven out of the known places.  
The Unmanned aerial vehicles are of many varieties.  
Some of them have top rotors,and some can lift payload.  
They have used to lift the money from place to place in the darkness to the areas near the charted small aircraft near the planned city spaces.

Early morning the Chickens and crows were out of their cages and nests respectively and started crying about the rays of Sun coming on to the earth.

There was a beautiful Hindi song music played by some one on a radio followed by Ravi shanker music.  
There is wit and humor for life to continue,but there is no end to greed where life does not matter.The singer is on an epee-note.

## **BOOK ONE-CHAPTER FOURTEEN-CLIMATE**

Fukushima,after effects study concluded that the rates of cancer or hereditary diseases were unlikely to show any discernible rise in affected areas because the radiation doses people are expected on average to receive less than 10 mSv due to the accident over their whole lifetime.This was the news from many papers,channels and websites including World nuclear news.

Comparing this to the 170 mSv lifetime dose from natural background radiation that people in Japan typically receive. Tyra Banks and Jahangir,two nuclear scientists sat opposite.

"Life on earth has developed with an ever present background of radiation. It is not something new, invented by the wit of man,radiation has always been there."

Radiation is energy traveling through space.

Sunshine is one of the most familiar forms of radiation. It delivers light, heat and suntans. We limit its effect on us with sunglasses, shade, hats, clothes and sunscreen.

"My goodness" she said with interest, "what has happened!",they were discussing in casual way the happenings on power requirements,it is 2020, April 12 Th.

It is Tyra Banks the great climate expert who is on a visit to meet the man opposite her.

The man,the Scientist,Jahangir filled hukka and said 'there is no mantra,and no Avatar,no Nirvana,all of us will be able to solve the increasing power requirements,and the associated problems with it.

It is Jahangir,no ordinary man in International matters.

He continued “The power generated from Renewable energy is of 50 volts, and in number of cycles we convert it 220 volts, or 110 volts in USA and then connect it to grid”.

‘The batteries are also made for such cycles, in fact they can store the energy’.

‘We are converting the energy cheaply in to 110 volts, we are also trying to use low voltage phenomena of electricity’.

‘North America and some other countries operate on 110/120 Volt AC 60 HZ. While most of the world operates on 220/240 volts AC 50 HZ’.

‘The use of AC over DC was settled during the War of Currents between the American entrepreneurs Thomas Alva Edison and George Westinghouse’. ‘Nikola Tesla was in favor of using AC and he disagreed with Edison about the use of DC current. Tesla resigned working for Edison and later worked for Westinghouse. AC current prevailed and that is why most homes use AC current today’.

He continued, “so much struggle is happening today about alternate energies. People are discussing about use of Uranium.

But Uranium itself if used for all the power requirements in the world, the resources will not last for more than 50 years”.

“Power is defined by the voltage x current where the symbols are  $V \times I = W$ . This equation indicates that the higher the voltage, the lower the current, and that the lower the voltage, the greater the current, for the same power consumption.

If using a very high current, the thickness of larger diameter wire must, therefore more expensive.

The transmission lines would be very expensive, so high voltages are used with thousands of volts to transmit from the generating plants, with relatively thin wires”.

“The increase in temperatures in urban settings has to be computed based on the personal Air-Conditioner, and personal vehicle use. These tropical countries use more fuel for generating heat in any given form’.

Before increasing in the population in this area we used to have one Turbine to produce 1200 MW, now with increase in population and modern machines dependent on electricity the turbines are increased to two, but with more comforts they are now 3 x 1200 MW of power is not sufficient. This concentration in power generation has to end, to make proper environment’.

“But we have now, continual data of our rotating planet, captured 13 times per day, by the robotic Deep Space Climate Observatory (DSCOVR), a specially designed space camera and telescope, launched and positioned a million miles from Earth”.

“We will now be able to measure and track sun-induced space weather as well as global climatic trends in ozone levels, aerosols, vegetation, volcanic ash, and Earth reflectivity, all in high resolution. Just the kind of data our civilization needs to make informed cultural, political, and scientific decisions that affect our future” This is a daily report from NASA web sites.

“We responsible humans who control our own fate, and the fate of the home we call the Earth. The Blue Marble”. He concluded.

The small power plants which were to generate power and work at many places were shunned away on the basis of cheap power, power for all, and the economic viability. It was an under estimated fate accomplished.

He looked at her, and looked at the clouds which are passing by and not raining at all.

‘The Indian Atomic Energy Regulatory Board announced that construction of all units of the Kudankulam nuclear power plant has been completed. It also issued a license for the regular operation of all units and permit for four reactors in Gorakhpur in Haryana, to be commissioned’.

But we need Alternate fuels for pushing the piston, and that energy as is needed for vehicles running’.

She looked into his eyes, ‘he is a scientist the world recognizes, and accepts, as a next generation to Diesel’.

She said, ‘we need many, Kim Kardashian, and her fancy sisters from Armenia who are the most modern women of 21st century. She is such an accomplished woman she cares more for fashion and carries with her her designer clothes, and other body wear. I feel that we add the successful women, in 2020, to be our energy ambassadors’.

‘You are aware, where is Marcos, Ashok, Kum, they are all in Dubai, financial center controlling all bank transactions in the Area’.

“While Asoka father is a great in making money out of anything, his name is Kapila, Kum father and sisters have all together different Intelligent quotient, and their Emotions are quite different”.

“The fact of the matter is only Marcos is following a full gang, to know about the flow of monies and Data, but there are others to be followed, and Rita is from same place as that of Asoka father, and a good friend of Satya, we are engaging Rita, to follow the persons in the area”.

He gasped and said, ‘we have many Nuclear plants now, and will have many in future, let us see how best we reduce the

use of Carbons,for Air-conditioning and Refrigeration,no doubt solar energy is to be harnessed in all these drought areas’.

‘Yes’, said she ‘our opponents are getting many girls from across the nations,the Girls are from India,Thailand,and other such nations.They are well trained ,they have huge gadgets on their wear and they are in to something’.

‘What could that be’,’can we get to know’.

‘No,but definitely to work against us ,the international interest’.

‘How did you get the information’.

‘One of the girls in the operation is from Interpol,and they alerted us’.

‘Oh god did you notify the concerned police’.’yes it is done’.

She said my grandparents and parents belong to places in India.

Grand parents have not spent much to educate their wards,but left a fortune for all of their children.

‘The glitter did not last long, each one has to slog more to get better out of their business.The end the old were as neglected as we the young.We lived mostly in hostels while they were doing farming activities single handed.They learnt and adjusted their farming to meet the climate changes which they have learned in Web-2.0,and in D-Groups.”

And she left.

## **BOOK ONE-CHAPTER FOURTEEN-Commander and the Submarine**

The man turned it over, stepping nearer to the table so that he might secure the advantage of a better light. He examined the blade near the hilt and handed the weapon back to the Air hostess.

The weapon is a automatic revolver could have slipped from some one pocket.It is 2020 June.

"That is my wife," said a passenger in the aircraft,he is going from Amsterdam to London.The captain smiled and said 'but she is also an ex-commander's daughter'.The passenger replied 'i am Gagarin,a commander of US navy ship,and she married me in London about 7 years ago'.

The captain said,i do not deny that,as much i would not like to say i am her own brother,but we were born to the commander who was head of K-278,and were since deserted in 1990,i was a boy of 5 years and my sister was 3 years.We traveled across from Litsa,in the Norwegian sea,and adjoining towns'.

'We have grown in a foster house in Gothenburg area.When ever she remembers her father mother or when ever she sees me she gets,traumatized'.Said Baryon the captain

Gagarin continued 'News reports states that "We have Nuclear submarines that are now on the ocean floor, two American vessels USS Thresher,and Scorpion,and four Soviet Union vessels K-8,K-219,K-27,and K-278"'.

Submarines in this part of world need to look at flying conditions,because the gets frozen and a destroyer has to accompany the submarine.

Baryon continued 'A report stated that "1989, the nuclear submarine K-278, sank in the Norwegian Sea following a fire. It was a unique titanium-hulled submarine that could dive to depths of 1000 meters".

On the morning of April 7, 1989, the vessel was on the way back to her base at Zapadnaya Litsa, positioned at a depth of 160m approximately 180km south of Bear Island.

At 11:03 the alarm sounded due to a fire in the seventh compartment. Eleven minutes after the fire had broken out, the vessel surfaced.

Further reports indicated that complaints were not attended by Soviet engineers in 1989. There were rumors that nuclear submarines were delivered with faulty equipment. In 1990-91 a new nuclear submarine was returned to the building yard due to numerous defects in the mechanical equipment. Another submarine was delivered without light switches having been installed in the cabins or in the missile compartment. The faulty materials defective work, insufficient training to staff were the results of casualties'.

Gagarin said 'The division of labor aboard the nuclear submarines could also have been better. Today, the vessel's commanding officer has total responsibility.

He is also liable for mistakes made by his subordinates, even when it is apparent that another individual's poor judgment has caused the error'.

Though I am a Christian," Gagarin said, "there are many wise sayings of my father's religion which I remember, 'the wicked must die in the habitations of the just, by the weapons of the worthy shall the wicked perish.'

The captain Baryon said, 'Commander, we are honest and fair people, we have never traded unfairly with Greeks, with

Italians,American or anyone for that matter.We have never sought to rob them nor to hurt them’.

The commander said,look captain,i am honest about our marriage,i am also to tell you that she is pregnant,and we wish to see the Docks,where her father worked,and are going there, join us if you are from family’.

‘Yes,Commander said the captain,’by then she was getting her consciousness,and the plane was heading to its destination.Called by air hostess,the captain went to join the co-pilot at the cock pit.

The plane landed ,and went on taxiing to the passenger disembarking,corridors.It was tagged to the hydraulic doors,used to connect the plane.

They all ,that is Beatriz,Gagarin disembarked,and the captain Baryon joined them in passenger waiting hall,after they finished their immigration,and have collected their baggage and passed through the custom routine route,through the green channel.

They were heading to Zapadnaya Litsa,by taxi.It was 2020 June.

By July the Couple had a very healthy baby,of 8 lb,good looking and healthy with 9 out of 10 points at the time of birth.

They were happy that nature has not played foul on their lives.

## **BOOK ONE-CHAPTER FIFTEEN-Men Behind The Industries**

Steel invention has bonafide us to modern day living.It is our fundamental need for every day life.

Modern buildings, ships, cars, planes and bridges would all be unthinkable without steel.

we currently have no viable substitute materials that could perform **steel's multiple functions**.

We are still very much living in the iron age.

The Frugal engineering,using plastics and high density polymers is again based on Petroleum technology.

In fact avoiding use of cement plasters for buildings and application of Coal-tar,or bitumen for roads is the fundamental need of the 21 st century.

The famous cities now under construction from

2015,could be over in next one to two years are on two basic principles.

Avoid cement,avoid congestion,have the roads made by Ashoka,the great,by using simple clay,gravel,and lime mix.

Have all high speed cars as flying cars or as helicopters.

As of 2015,the global production of steel was 1.5 billion tonnes per year,and in this year of 2020 it peaked almost at 2 billion tonnes,and India China accounting as first and second producers and consumers.

The geographic make up of steel production however has changed profoundly in the last decade. In the year 2000 China produced 15% of the world's steel.

Today almost half of the world's steel is made in China, with Chinese steel production increasing by over 500% since 2000.

The astonishing levels of steel consumption in China is illustrated by the fact that 60% of reinforcement, used in buildings for concrete, that is produced each year is now consumed in China.

The production of vehicles also is at highest in India by this year of 2020, at 15 million, with almost 10 million of two wheelers.

The cars and other transport vehicles being only 5 million. The carbon emission from the personal vehicle air conditioners, is the highest in these countries, because the level of external heat prevalent in the weather.

Steel for buildings, air conditioners, refrigerators, and personal durable items has gained prominence. The production industry needs steel which can withstand large amounts of radiation.

The substitutes coming are mostly steel composites, and none of the materials made out of hydrocarbons withstand the required temperature pressure, and dynamic loads.

The steel production uses heavy energy, in melting steel, which undergoes changes and transforms to the iron and carbon alloy, at almost 2200 degree Celsius.

That leaves little or no way to avoid carbon emissions, and or GHG in to atmosphere.

The alternative is avoid GHG in the production of power, and go for electric arc furnaces, instead of the coal fired Blast furnace, and corresponding stoves and chimneys.

Water is another important item which is extensively needed in the process plant, and oxidation of the products leaves some GHG into the air.

Cement for the construction of factories, for bridges, roads, for houses has become another important item, during last 150 years, living without these is nearly next to nothing.

The men who own the technology and men who market the technology is across the world,that made it possible for a group of promoters from each region to control the multi-billion dollar industries from a single location in the world.

Changes in process,regulation,marketing is fully desisted and whenever they find they need changes they appear before the government's.

It is same with reference to the petroleum industry,but now the,car trade,transport systems,the IT industry,the telephone and internet,the health services and medicines ,the production of food and finally the direct to home TV and media have joined the bandwagon.

There were songs of Sia in the air,Alive a song so beautiful as sia was played well.The next song was the Adele song on X factor.The song was modest but was not as beautiful as the singer.

A worker going home in Pennsylvania town from the steel factory was commenting,every thing gets modified but when do they change these hot blast furnaces.

## **BOOK ONE-CHAPTER SIXTEEN-The Cement**

He thought a moment."Where will this lead." This is April 2020

It is the Managing director of a cement Plant in south India.Coal is the main ingredient,that produces heat required to heat the raw materials coming from the Mining,and fed to the Preheater.Cements of Modern day are made from the dry process,where the use of water is reduced.

In this process the Lime stone from the mines is fed to a crusher,and after getting a uniform size of around 8"x8",it is stacked in the stack yard.A binding material and coal used for mixing,and an additive normally red morrum are also stacked.

The raw materials are fed to a storage silo,in the weighted proportion,batched as per laboratory results,of the grade of limestone.

The raw meal house is used to weigh batch the materials,and this material is heated in six stages from top,in a pre-heater,of more than 100 M high.

The preheated lime mixture is ready for calcination[The process of calcination derives its name from the Latin calcinare (to burn lime) due to its most common application, the decomposition of calcium carbonate] ,and is burned in a kiln to almost 1200 degree Centigrade.

That calcined very hot mixture is transferred by using a steel conveyor passing in the under ground,in the process cooling the clinker,to the clinker house,where it is blended with Gypsum,for retarding the early setting of cement.

This mixture is transferred to the cement house for grinding and storage in to silos, and then sent to the cement house for packing into bags of 50 kgs.

In the above process a large amount of heat passes, in and around the plant, and thus depriving a country of its carbon credits. The carbon credits are more where a process technology is altered so that the burning of coal is avoided, or when the heat released out is less.

"I don't know," he said in astonishment; "does that matter?", it is the Promoter of several cement companies across India, and southeast Asia.

"It matters a great deal," he said emphatically, because we have to know how alternate fuels can help us change the process". he continued, to tell, 'the alternate fuel generates heat, where we need to house the heat and send the limestone mixture for heating, which our pre heaters are doing now'.

The M.D continued, 'we have asked the Germans and The Japanese who are the pioneers in Steel, cement, and Power, they are yet to answer specifically.'

The promoter said 'understand about the power, i have seen the industries, if i am allowed to use electric arc, then it suits me'.

The MD, said, 'let us have a meeting of the promoters to discuss this'.

The promoter said 'also the technologists to understand the alternatives, and to destroy them at the earliest, let us ask all producers to have a combined meeting'. They dispersed in each direction.

The M.D, on his way down stairs was thinking, "We have the biggest conglomerate of cement Industries in Asia, and still the process technology is hunting us, they want use of less

water, less power, and less heat generation from the hydration of cement', i don't know how long to sustain this power, the money spent for politicians is becoming unaccountable and likely to be caught as money laundering."

The promoters on their way said, 'things happened in the same way when the cement technology is changed, and we are here to see the changes.'

When and where is a question. The MD thought about one of his friends who tried to switch to different industry in times of job loss due to recession.

His friend Manohar and another Shiva joined in the cotton industry at Udhana. The technology is from Korea, Seoul. India in tropical region faces dry weather and the workers cannot work in industries with fine dust. Electrostatic precipitators or the water spray are some techniques used in these industries.

The length of built tunnel to send the cotton refined to spinning was so lengthy, on a fine day early in the morning he went to inspect the built ducts and fallen inside them. He came rolling at the end of 2 km duct and fallen on a slab where work was going on. The death was instantaneous.

There were other places a friend died in the early years of their service falling from a slab under construction for a cement mill, while another has dislocated his back bone and became invalid for life time, attending to works on and off.

It was the worst when eighty workers died on spot when the slip-form of a Raw meal silo collapsed, in heavy cyclonic storm winds consequent to non attainment of initial setting by the cement before the winds struck.

Accidents are part of life in operation as well in construction of these massive plants.



## **BOOK ONE-CHAPTER SEVENTEEN-The Steel**

A multi-billion, and multi-national Industrialist was waiting and looking for someone. The industrialist is having many types of industries, from cotton to steel, located in multiple countries, he found London a safe place to have his stocks investment and trading, that suited many because, either the mine owners in the developing countries and Africa listen and join hands with others, for cash which they can keep in many Island countries which are now safe havens.

There are also mediators and functionaries with many Non Governmental organizations for helping the poor, or the Government.

They or such agencies are in the key hands of the Parliamentarians, who come and go to Britain, or stay here permanently.

He was walking in the central London in a crowded area. Some one stayed next to him, with a felt hat covering his face, he said to the industrialist,

"I should prefer somewhere out of London," and continued "there is evidence that shows the process of production of steel can be changed by using less than 2200 degrees centigrade, and it is now confirmed that many governments are ready to accept the new technology."

The other looked cool, "what is the time frame",

"not yet decided" he answered, adjusting a little of his felt hat.

"Can we destroy the technology, or alter it, after all steel use has considerably decreased in automobile and building industries". Said the big man.

"No, it is tried by several labs simultaneously, and available for all. And see you, next time outside London." Said the

visitor,"but the use of power from Uranium can save the industry for next 10 years".

'Suppose if they put still the carbon emission tax,and suppose the incentives goes for petrol and plastic industries,what has to be done,' he started pacing the floor,and hitting sideways addressing no one he was saying 'these brokers are everywhere, i pay them for policy changes,they collect monies for installing a new regime,the groups may be different but they are all one,this is mafia for me.'

The other man was moving fast,and away from him, 'what the regime wants is new technologies for survival,and we give you that.'

The visitor started moving away from the M.D,and was trying to cross the street,there was a gun shot,several people were running to the felt hat fellow,who collapsed with his fur coat,bleeding.

Only one gentleman saw the barrel of gun,being wiped by the industrialist,and walking away.

The man alerted his men about the incidence,police sirens were heard,and in few minute before the industrialist could go into his vehicle,a big car stopped by,from it the Dy.police commissioner got out with the steel chain and arrested the MD.

He said 'you gave us a clear picture of yourself,see the number of cameras ,which have recorded your actions,the satellite are another where the cameras miss'.

Lawyers,staff and other relatives started pouring with bail,and anticipatory bail applications.

The arrest was done on a non negotiable instrument,for the recorded murder in the street,the TV announcements followed.

Lawyers started assembling, some one was yelling 'there are many Forensic experts, but find some one trained under satya, who can say the bullet came from a gun other than that of the MD. You can say the man is hiding, not visible, not recorded by cameras'.

The Assistant M.D, brother of MD., said "there are no such possible systems to free him or fabricate scenes, do not try the ancient way of crime scene creation, we are only fighting the lost case. Our priority is to switch to Uranium power, and change technologies".

There was a beauty parlor for women and men in the opposite side of the street. Many have come out on to the street to see the happenings.

A woman was the most looked after by every one out of a dozen who came out from the parlor. Others were in Bikini or half naked in their bathing or swimming dresses. Some have face packs applied, while few have a masculine gymnastic sweat pouring from their bodies. The only one had a full body covered with fuller earth, like raising from a swamp, or like a hot metal covered with a bentonite soft powder.

When civilizations started the punishment was with fuller earth and sun heat, and treatment for body infections was by using fuller earth coating as a bandage.

## **BOOK ONE-CHAPTER EIGHTEEN-The Diesel**

They were all in a meeting,they are all either oil well owners,or they were from petroleum refineries.

One gentleman was telling ‘Today a revolution in petrol discovery,refining and its segregation has made the availability of many industrial products to replace steel.This has also made possible use of Gas as a cooking medium.However latter years many countries have found electricity also can be used for cooking safely’.

‘Crude oil is a natural product from decaying plants and animals living in ancient seas millions of years ago.Crude oils vary in color, from clear to tar-black,and in viscosity, from water to almost solid.And now we have the shale gas,extracted,after sending high pressure water to the shale deposits.

Crude oils contain hydrocarbons. Hydrocarbons are molecules that contain hydrogen and carbon and come in various lengths and structures, they are in straight chains to branching chains to rings.

The funny part of crude character is its density is less than that of water.However it do not float freely on water unless extracted.

The major classes of hydrocarbons in crude oils include,Paraffins, ethane, propane, butane, isobutane, pentane, hexane,Aromatics,benzene, naphthalene

The other notably are hydrocarbons,which are separated using a cracker complex,and that separated products could include,LPG,Ethane,Propane,and Naphtha,and this naphtha has to be transported in proper containers which can give on breaking a variety of household materials,such as LDPE,LLDPE,PVC,VCM,etc.

The process of refining it self needs lots of energy,and one such process involved is removal of Hydrogen sulfide.

This is a byproduct of crude oil and natural gas processing, is recovered and converted to elemental sulfur by the Claus process this needs huge energy’.

‘While Kapila or others are not promoters of any industry they are here to market technology,to save power and use Uranium as power source’.

Kapila was watching the Big refineries,far away in the desert.”Frugal is a simple word they are using,changing the power production systems or changing use of Petrol are not going to solve the climate action.It is essential that we need to change the product or the process for steel and cement”.

There was behind him a man putting his hand on Kapila shoulder,he said “The Uranium gives less carbon and limits global warming and CO2 emissions shall decline”.

“We have tried wind energy,we have tried energy from waves,but solar energy caught everyone's attention,when we tried Gold the countries started selling it,we only made our money by selling duplicate shares,in as many markets,we know,where the electronic system is not prevalent,and Galicia is my ward,you can say she is copulation driven,copulation hungry,and copulation topper,but she is not maniac,she performs,she will assist Kapila,to finish the building of small Uranium plants”.

“There is a gentleman looking after money transactions here as reported by Asoka,and Kum,his name is Marcos.Galica will team up with him,to control him”and for your information i am a cross country product,call me as Indian Amrit,or Raushan’.I am an Armenian a Persian,etc”.He concluded.

Kapila Started again,

“The assumptions went Futile with increase in Urbanization, across developing countries, needing 10% or more energy each year, and the increase of population from 6.7 billion in 2015 to 7.2 billion by 2020, today in 2019 August the 2014 projections went up by another 30%”.

“The outlines did not stand near the border. The need for safe urban settlements, using solar energy emerged in the tropical countries. In this scenario, almost all new generating capacity built after 2030 needs to be low-carbon’.

‘There Uranium has a melting point of 1132°C. .Uranium is one of the heaviest of all the naturally-occurring elements (Hydrogen is the lightest). Uranium is 18.7 times as dense as water’.

In comparison with cement calcination this is the near temperature at which both process takes place.

Natural uranium as found in the Earth's crust is a mixture largely of two isotopes: uranium-238 is called U-238, accounting for 99.3% and uranium-235 is only about 0.7% and is known as U-235.

U-235, under certain conditions can be split, AND yields lot of energy.

It is 'fissile' and so the expression 'nuclear fission' is derived. U-238 decays very slowly. U-235 decays slightly faster”. kapila completed.

Kapila's method of Drawing investors has resulted in huge cash flows for his work.

Who ever invested, got at least 3 to 4 times of shares of companies, for the same money. They were promptly sent 10% dividend year after year.

No bank transactions what so ever,the accounts are much safer than Bitcoin money,the shareholders come to Dubai,see the sights,go to turkey,go to Cairo,enjoy the mixed or single belly dances of Girls,coming from various places.

If the money invested is more they have a small area in a shopping mall,or a flat.There there are no need for residency permit,and no personal records are kept .

They are clear in their country,they are clear from banks,and their accounting systems.

The women have a privileged high class meetings where they get the press or the crush,in a crowd,or separately.

Many business men wait for fresh faces,and if a women is free like her husband she may be traveling places in the Mediterranean Sea.

Finally Raushan thanked all guests,and said he wanted to deal with the oil giants in the Caribbean Islands.

Galica,hugged each one of the important guests,so close to her chest ,and each was forced to loosen their suit,so that she touched their hairy chest.She lip locked some so much,they almost ejaculated then and there.

Finally she hugged Ahsoka and asked “when you have such a beautiful and hazel eyed wife Kum,why is your head getting bald.”

**“Nervous,**and may be premature discharges”.

“Try with others,i can give you three or four sessions,from tomorrow,during next one week,and let her company with Marcos during the period”.

“For her she had many but for me i am shy”.

“Many has no relevance,this is a job,he is important,and she should drive him,not he drives her”.

“Did you talk to her”

“yes she already is on job with Marcos”.



## **BOOK ONE-CHAPTER NINETEEN-URANIUM**

Albena started explaining,“while the agile international community is watching,we have “ U-235 atom is 92 protons and 143 neutrons the sum total is 235.

U-235 atom captures a moving neutron it splits in two which is also called fission and releases energy as heat”.

“It is this process,which is called "burning" of uranium, which occurs in a nuclear reactor. The heat is used to make steam when diverted on to a turbine it starts producing electricity.

The nuclear fuel also produces waste from the extraction of uranium. It often contains radium and in its decay some products”.Albena concluded.

Marcos,and Galicia were on a course of attending a session on energy functions and transport systems,to be functional.

Asoka and Kum were dealing with bank accounts and money flows.

Below the basement there is huge office,with vault security alarms,and another office,which manages the business of Galicia and her father.

Kapila oversees the investments and returns,all monies are given at low interest to contractors of various types,they keep their properties,with the Valuation certificates,issued by banks.

These properties are in use by the unlisted company of Kapila.Cash for cash is the only lending principle.The contractors approach a known person,deposit money in to their account,and give the payments through bank cheque. The process is legalized.

It is ultimately the smell of two different girls, Marcos got, and his premature ejaculations started, with his CNS working differently.

He told M, about Kapila, Ashok, Kum, and the great Galaica, and said 'my nervous system broke down. She took my balls yesterday night, i never had low guts while playing in gambling dens, or with other women around me teasing tempting or using me, but she is different.' Galaica is sometimes nick named as Galacia". That was his mail to his superiors in New York, early in the morning.

Amrit came in he saw Kapila, in the storage rooms, which are called vaults, the personal belongings of many including diamonds, gold bars are stored in lockers, the areas are marked either by the region, where customers are less, it is north Africa, south Africa, South East Asia, but particular countries have specifics, India, China, Hong Kong, Saudi Arabia, Egypt, Russia, America, etc are separately classified. The duplicate along with codes are in a separate locker, which only 6 persons can handle.

Their eye, and finger prints are essential to open each of the locker.

Some are known victims of political vendetta, and some are terror stricken, their deaths are recorded, but their savings here are no where notified, either to the families, or to the countries. Now they belong to Kapila and Amrit or their families.

Raushan [Amrit] started saying to Kapila and the group in front of him, "This is our second meeting in this week".

'The Uranium and Plutonium from spent fuel are used for small reactors which are built for the submarines, ships, and now some Airplanes'.

And 'we are here to device a small flying vehicle with the use of uranium,there will be a small reactor,and from that the energy released heats up the water,and water creates the required force for the pistons to move as per the modified design of Carnot cycle.we will not follow what Diesel has used'.

"The Solar energy stored into batteries,is used for flying the aircraft.And as a safety we are to use small reactors for powering the turbines".

"Our technology is under simultaneous testing at many places in the world.'Said a dark haired,reddish man in dark checks and sizzle suit".Could be from Middle Europe,or from any Island nations of west.

Opposite to him are at least a dozen persons who probably represent the world rich,and can call them as the Elite controlling the order of the world.'In fact that it self as a mafia controlling the finances,and in turn with that the technology'.

A smart voice said "I feel that our inventions shall be completed as fast as possible' 'and we are willing to finance".

A third voice with a Chinese accent said,"The finances for the project are arranged,this system we will market in a few days time".He was looking like a Chinatown man from around the world."we are in fact arranging finances for our future projects with the equity from some of our cash chest managers, the contributions from them will be very liberal and they are from around the world,what i suggest is you keep things moving slowly,so that we declare our results early.' and 'no one suspects us".

That is the voice of an Arab,could be from Lebanese background.

"All said and done let us 'have some understanding of the fuel"said a voice.

Some one said,“he looks like a scientist,and suits the description of an Indian,from Hyderabad,probably Kapila,for whom the investigating agencies are looking,for the theft of Uranium”.It was a murmur among a few.

‘Yes,this is it’,he started explaining,

“Uranium dioxide known as  $\text{UO}_2$  is a concentrate at the time of mining and is not very radioactive .”

“It is refined after mining which becomes an yellow cake known as  $\text{U}_3\text{O}_8$ , and on conversion becomes uranium hexafluoride gas  $\text{UF}_6$ .

As a gas, it undergoes enrichment to increase the U-235 content from 0.7% to about 4.4%.

It is then turned into a hard metallic oxide for assembly as reactor fuel elements”.

“It is stored, either as  $\text{UF}_6$  or as  $\text{U}_3\text{O}_8$ .” Some is used in anti-tank shells, sailboat keels on at least sometimes.”

“Radio-thermal generators (RTG) are another type of mini reactors which are in use,and are used in spacecraft and remote lighthouses in Siberia,and are based on “thermoelectric generator” principle ,which can only produce, at most, about two kilowatts. They are hardly the sort that you would keep in the garage.

“SMRs is that they've been successfully employed and hundreds have been steaming around the world inside the hulls of nuclear submarines and other warships for sixty years”. They've also been used in merchant ships, icebreakers and as research and medical isotope reactors at universities”. Finally Kapila said “Let us not fear anything about this metal ,usage storage etc”.

“Steam is produced in a nuclear plant by passing a loop of cooling water from the reactor through the steam generator,

which is a separate vessel filled with cooling pipes. The hot cooling water enters the generator and as it runs through the pipes filled with water is heated. This changes to steam, which turns the turbines that turn the dynamos”.

On a conventional reactor, most types have the steam generator outside the reactor vessel. With light-water SMRs, the steam generator can be placed inside the vessel.

With the steam generator inside the reactor vessel, it's the much safer situation of only non-radioactive water/steam going into and out of the reactor vessel.

“It’s still possible, if we install a bunch of nuclear power stations and then use an electrified road, that charges the car as we drive. And then there’s NASA, which is slowly working on small but cold fusion reactors, that could comfortably fit in a plane or car. One day, my friends, one day.

Small pieces of thorium were used to generate heat and were positioned to create a thorium laser. The laser's heat water to produce steam and power a series of mini-turbines.

An engine weighing approximately 237kg would be light enough and compact enough to fit under the bonnet of a conventional car. If it were that simple though, petrol would already be a thing of the past. Turbines and generators that were usable and portable was much more difficult than making the thorium lasers”.

According to the US Geological Survey, Australia has the second highest level of thorium in the world with 333,690 tonnes – accounting for somewhere between one quarter and one sixth of the world’s thorium reserves. The concept of the thorium-powered car World Thorium Fuel Concept not one element of the vehicle would need to be added or subtracted in 100 years. Thorium-powered cars are the future.

“We have made the car fuel, and our trails are successful. We have succeeded in using the low radiation fuel for spacecraft. They all work like batteries, in fact, it is very difficult to make out between these and ordinary batteries”. He looked at the chairman, and secretary of the secret society, they told him to stop.

A secret is kept for the more powerful.

They proposed a drink, and people started dancing with the girls who are well trained and brought from different countries.

The dark chocolate color clothes of Zimkita have made her well active on that day. She is from Addis Ababa.

She heads the secret society on invention and marketing.

## **BOOK ONE-CHAPTER TWENTY**

### **FOOD FESTIVAL**

Tamera, is the Food technologist researching, in the Forests of Amazon, while Amy Oliver and Juliana, Amrita, Penny, and Amir were conducting their research in Africa.

Chimpanzee is their choice then the rats, dogs, cows, etc.

The area is well cordoned off, and it could be not less than 10 acres of land, 4 story administration block, built with Gothic arches, and slant or sloped tiled roof, was as cool as air-conditioned house. All the floors have more than 3000 sqft, conference halls.

The laboratory to test is at least separated by huge concrete walls.

They at Africa had come across to felicitate, farming systems and management of water availability, crop water requirements and patterns in harvesting, and needs of fertilizers that needs change. Farra Ameera, the Food technologist has found that old habits using grains of simple irrigation is the requirement of the day.

Ragi grain is higher in protein, fat and minerals than rice, corn, or such. millet, cotton Groundnut and Pulses are in dry land agriculture.

Against the sea waves and dynamics of erosion mangrove forest protect the hinder lands. In delta areas of Ganga, Sundri trees are found, which provide durable hard timber.

Palm, Coconut, also present in many Delta areas, protecting the Estuaries..

Amy Oliver and Juliana, have completed a research on how big fruits help in saving hunger, as well sea water can supplement the needs of irrigation. But now a days, Mango, Banana, Cashew nut, Jackfruit, papaya, tress also are transplanted along with betel-nut and other leafy creepers in the delta areas.

Amrita said 'Betel nut is extensively used in tropical countries for digestive purposes. Arecoline is responsible for some of the effects of betel quid chewing, such as alertness, increased stamina, a sense of well-being, euphoria, and salivation. Chewing the nuts stimulates the flow of saliva to aid digestion. Betel nut also has been used to stimulate the appetite'.

Penny said 'we have made the food is made from all together with new materials, and they are going across each country explaining the necessity.

If you are Diabetic then encourage to use papaya, a previously exotic and rare fruit, is now readily available at most times of the year'.

A new variety of rice, wheat and sugar are developed. The grains for rice are lengthy, the crop period is less than 80 days. The water requirement is less than 75 inches, with a rain fall of 30 inches, the supplementation required is hardly 40 inches.

As you can observe the crop yield is 20% more period is 20% less, the deficit rain fall is taken care of, the supplementation in crop water is reduced by 10%. This we are able to get around 60% more production with less rainfall.

This application is also made for wheat Jowar and other crops. In case of sugar cane we have come to a crop period of 220 days and 120 inches rainfall. We are getting only 20% extra yield by using large stem variety of sugar plants.

But even in this the extra yield over conventional variety is 50% extra.

Amir welcomed the guests and said 'Papayas grow in tropical climates and are also known as papaws or pawpaws. Their sweet taste, vibrant color and wide variety of health benefits are just a few reasons to add them to your diet.

Jack fruit comes from mulberry family. It has thorny projections outside and soft flesh,inside which is intensely sweet and delicious in taste. It is typically found in South East Asia and finds its origins in India. Thailand and Vietnam are the largest producers and exporters of this fruit’.

He concluded saying ‘Jack fruit is found in many varieties across countries and continents and is classified based on the softness of its flesh.The raw fruit can be used as a vegetable after cutting to a fine dust particle and cooking with water. Jack fruit’s flesh is very high in fiber content. The taste and texture makes it a great fruit for jams, chutneys, candies, cakes and other sweet preparations. Unripe raw jack fruit is used in savory dishes and is cooked in gravies and spicy curries. The texture of unripe jack fruit is like mutton and so is its taste when cooked in spices which makes it popular among-st vegetarians and non-vegetarians alike. The seeds of Jack fruit are also eaten in boiled form as a snack in some countries’.There are other corn and fruits developed and used by all of us,which use plenty of nitrogen and give good carbohydrates in a small time,with very less water.

Amrita,Penny, and Amir ,have shown how the present health conditions can be overcome by changing to a mixed grain diet.High intakes of mixed grains and fish were found to be reducing the asthma and other factors by 54 and 66%.

The probability of having asthma with bronchial hyperresponsiveness (BHR), defined as having an increased sensitivity to factors that cause narrowing of the airways, was reduced by 72 and 88% when children had a high-intake of mixed grains and fish, respectively.

The cause of Chagas disease is the parasite *Trypanosoma cruzi*, which is transmitted to humans from a bite from an insect known as the triatomine bug.

These insects can become infected by *T. cruzi* when they ingest blood from an animal already infected with the parasite.

Major intestinal parasitic infections found are cryptosporidiosis, cyclosporiasis, and giardiasis are mostly acute diarrheal illnesses without significant links to poverty or neglected populations.

The other is helping farmers adapt to the impacts of climate change, as the farming also produces Methane gas.

There is that extraordinary methane emission from the cattle, dung, and human excreta, which is in open areas almost daily 1000 tonnes.

Food preferences are changing to reflect this, with declining trends in the consumption of staple carbohydrates, and an increase in demand for luxury products such as milk, meat, fruits and vegetables that are heavily reliant on irrigation in many parts of the world. Amrita, Penny, and Amir have found alternative fruits which are naturally grown with less water and are useful to human consumption.

Amrita asked the guests to taste the food, 'Now the production is switched over to the cheaper variety of food grains, the millet, and the good old type of mass produced fruits.

All these concentrates to meet the future global food demand which is expected to increase by some another 40% by 2050, but will approximately double for developing countries'.

'All other things being equal (that is a world without climate

change), the amount of water used by irrigated agriculture will increase by 11% to 15% to match the demand for biomass production.

Stabilization of greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system’.

Tamera started explaining their goals“Earth’s temperature depends on the balance between energy in the planet’s system .

When incoming energy from the sun is absorbed by the Earth system, Earth warms.

When the sun’s energy is reflected back into space, Earth avoids warming. When energy is released back into space, Earth cools”.

“These arguments seems to be of no consequence, and are not logical. The actual logic is the entrapped hot weather is steaming the earth creating more of vapor around it”.

Many factors, both natural and human, can cause changes in Earth’s energy balance, including,

"The Greenhouse Effect causes the atmosphere to retain heat. Changes, which affects the amount of heat retained by Earth’s atmosphere, Variations in the sun’s energy reaching Earth.

Changes in the Earth’s atmosphere and surface, the absorption of heat is taking by many forms of construction.

These factors have caused Earth’s climate to change many times”.

“Study of Earth’s climate, dating back hundreds of thousands of years, by analyzing a number of climate actions such as ice cores, tree rings, glacier lengths, pollen remains, and ocean

sediments, and by studying changes in Earth's orbit around the sun.

The historical record shows that the climate system varies over time scales".

In general, " changes in climate prior to the Industrial Revolution in the 1700s can be explained was by natural causes, as changes in solar energy, volcanic eruptions, and natural changes in greenhouse gas (GHG) concentrations".

Penny started 'guests we want you to understand what we have shown you'"Recent climate changes, is not by natural causes alone. Research shows that more than natural causes warming since the mid-20th century, is based on human activities".

"The sunlight on Earth's surface is either reflected back into space or absorbed by Earth".

"Once absorbed, the planet releases some of the energy back into the atmosphere as heat (also called infrared radiation), and major industries emit water vapor or heat that converts the moisture in air to vapor ".

Someone was looking at Amira, she caught the attention saying "Greenhouse gases are, [1] water vapor  $H_2O$ , [2] carbon dioxide  $CO_2$ , [3] and methane  $CH_4$ . They absorb energy, slowing or preventing the loss of heat to space".

'You all can see after a few hours of bright sunshine the haze in normal land also starts, and it is evident near sea shores and reservoirs.

"GHGs acts as blanket, makes Earth warmer, called as the "greenhouse effect".

We can safely say we are living in a steamy world, which we are feeling today more near sea areas ".

By then Amy Oliver and Juliana,Amrita,Penny, and Amir started talking about a friend in India.

He is from one of the intelligence agencies,but he is also a technologist.It is about the Engineer Satya.

They started calling some one known as Satish Chandra friend of Satya who is from the intelligence agencies and also a technocrat.

“The man was thinking where from all the increase in power requirements day by day will be met.What are all the possible solutions”.This gentleman was looking into the sky on an evening in July month.

It is Waltair, the sky is getting full of back clouds coming from the Bay of Bengal.It expected to rain but it has not started.The cloud looked like high intensity,dark,moisture bearing.

There were huge thunders,associated with cloud burst is more than frequenting the skies of the region.

There was more hail and wind blowing from the Bay of Bengal,which in general is a shallow bay at edges.

It took about half an hour for the clouds to start movement,gathering in number and attaining strength.The clouds started moving further in the direction of the Steel plant,and a power plant.

Suddenly at that place they,the clouds started touching the ground and converting to rain.

It is the Heat that could have made that possible.Heat is important for the clouds to touch the ground and rain.

This may be what people call the carbon emissions.

Heat generated out of burning of coal for a 3000 Mega Watt,power plant,and a 7.8 million ton,steel plant may be

enormous,for a city of any magnitude,and that city may miss its normal course of livelihood because of climate changes.

200 tonnes of yellow metal for 1000 MW,power station,and for 3000 MW required is 600 ton which is sufficient for 3 years.

There were sudden blasts in the sky,in the northern hemisphere,there were extraterrestrial signals,one of the space stations was on fire.

He knew he is getting messages about a missing girl,who was to go to London,it is not his work,he got messages about ATM ,loot,yet it is being located,he got messages about the Uranium,yellow metal,things are traced,but he had a feeling that he needs to search the Gambling dens behind park hotel,he needs to investigate in pondicherry,and in the Gambling dens of Hope island.

He sent messages to his men 'look for yellow cake of 5 to 10 kg size in all gambling dens'.

'Satya is in unconscious position at Dr.Mohan,we will get details'.The messages ended.

## **BOOK ONE-CHAPTER TWENTY ONE-The Money**

There were more than twelve people in a closed door meeting,it could be an Island some where in The Mediterranean Sea.It is 2020 August,the 12 Th.

The person hosting the party brought yachts,small planes,and looks like he had also UAV or flying cars,and small planes handy.

This could be in the midst of Cyprus,Turkey,Lebanon,and of course Greece.

He started telling his audience, "Gentlemen,i am Amrit,and this is Kapila my friend,one of his best Neurosurgeon,is Mohan .At present Mr.Mohan,or Dr.Mohan is treating an unwanted person,Satya,who accidentally fell into our secrets.He was also the classmate for Mohan,and Kapila".He looked at Zimkita,and told her you continue.

Zimkita started,"Banking is always in Government's hands.Theodore Roosevelt in 1901 became President,he championed his "Square Deal". Franklin Roosevelt a democrat President in 1933, were in thick of problems formulated his NEW DEAL".

'Today with BASEL-III,in operation,still the banking deposits are not insured to 50% even,the states do not guarantee the return of monies,beyond peanuts.The security exchange boards have become a sort of non controllers of gambling.The shares are overpriced without reasoning and are sold at exorbitant prices.The company under free fall regime is not controlled".

Nikita looked at Kapila and Amrit Raushan, Glacia,and Kum.Asoka had not come and Marcos is not connected to these affairs.

“Dear all”, Shakeer was addressing “this only a thirty member Banking Group, we are here as masters of banking. This group was born in 2001, none of us have our family near by. Let us talk”.

‘Shakeer one of them asked is all our men ready’

He started telling ‘In the fall of 1907 in the U.S was in a recession, system lacked capital, a central bank and a regulator money supplier. The mechanism that undertook was, a network of directorships, a system of private loans with huge costs, and collateral based on acceptable properties sealed the fate of financial institutions’. "In the following days, J.P. Morgan dictated on the fate of many of the firms.

Money as the currency has predominated in human civilizations from about 10,000 BCE on. Usually gold or silver coins of intrinsic value were used for trade.

Modern currency has value only by government order and is called fiat money or the legal tender. Usually, the government declares the fiat currency to be legal tender, making it unlawful not accept the fiat currency as a means of repayment for all debts, public and private.

Before modern days Gold coins were used for large purchases, payment of the military and backing of state activities.

Silver coins were used for mid-sized transactions, while copper coins represented the coinage of common transaction.

This system was in use in ancient India at the time of the Maha-janapadas. In Europe, this system worked through the medieval period because there was virtually no new gold, silver or copper introduced through mining or conquest.

Sweden in 1661 introduced paper currency. Sweden was rich in copper, thus, because of copper's low value, extraordinarily big coins.

One of the last countries to break away from the gold standard was the United States in 1971. The world today has ended the enforceable gold standard currency system.

A monetary authority is created and supported by its sponsoring government, so independence can be reduced by the legislative or executive authority that creates it.

Convertibility of a currency determines the ability of a government to convert its local currency to another currency or vice versa.

"In November of 1910 Senator Aldrich invited several bankers and economic scholars to attend a conference on Jekyll Island. While meeting under the ruse of a duck-shooting excursion, the financial experts were in reality hunting for a way to restructure America's banking system and eliminate the possibility of future economic panics". Today we are into same thing.

He asked "Sham, how much money you handle, starting from you let each one tell us their cash chest management experiences".

'yes, i am daily handling almost 10 million US \$, and another 10 million is in other currencies. My work in cash chest management is across at least 3 cities, and all the handling persons or companies will account for more than 2 to 3 billion cash management for ATM, loading and supplies to bans, and inter bank transfers etc', he waited. The administrators of each district and the police in-charges of district make surprise checks and some sign in to the registers. But many asks favors of providing a job for a relative find a good cheap home or a diamond studded ear

rings for wife daughter,daughter in law or his lover etc.

“our holidays in almost all countries goes for 3 to 4 days’. He looked at others for their reaction, ‘yes, Ashin and me,’ said the opposite man, patting his next man, he continued, ‘are in-charge of more than 40\$ million cash chest management, we only wanted that charged vehicles near our area of chests, where the police keep vigil, we want to move the heist, by Unmanned Aerial vehicles if necessary, and in 10 minutes we will, have them air handled by using the choppers”.

The meeting continued with band Jazz, and other belly dances for a long time. They were getting messages throughout the night that the work is done.

It is mid noon by the time the last call from North America was there ‘Done’.

It was early morning on 16th. August, in the Japan, The people are moving on trains, and some are in hospitals.

Akita went to an ATM, and inserted her card, and asked for 200 yen, she then typed her PIN, she waited, there was no answer, there were no sound in the machine, she tried again, no result.

She tried to take out her card, she almost felt sick, because, her mother told her to take money in the evening. She was spending the evening, with Ivan and has not cared.

Now there is no money.

She rang the customer service, by then it is busy, she went on dialing, no way to reach. She tried her Nokia, phone, accessed net and sent a message. The message truncated returned, “The Address, e-mail does not exist”.

She got frustrated, and telephoned Ivan, who said he is reaching her, she went to nearby restaurant, used the women's toilet, and wiped the sweat, and came and sat on a table, it was by then she made out there is news on national television, that several computer links are broken because of faulty cables. She gasped.

## **BOOK ONE-CHAPTER TWENTY TWO**

### **ATM Managers**

“Shakeer can you start telling what is Any Time money, and how we manage it” Amrit Raushan asked him.

Zimkita the marketing head, Kapila, Galicia, and Kum were present in the room.

Suddenly Kapila started feeling inconvenience, he had a feeling that Galicia is a plant, she is not copulation maniac, nor she is Daughter of Amrit Raushan.

She is here to find some one.

Kum has married his son, about 6 years back, she is from same college as his son.

Her obsession is money and style.

Asoka is still trying to locate the whereabouts of many depositors. He is trying to contact the number they gave, he is doing this with the help of his staff, since last two days.

Only a portion of a billion dollar worth of investors died, in crashes, hospitals etc, they never wrote a will.

The money will be drawn out using all the six signatories, that is for name sake.

Shakeer is on his way “The surplus money left over at the end of day in bank is called a residuals. However, residuals are a consequence of cash management efficiency, residuals are not drivers”.

“High volume ATM network shall have a bigger ATM, and also no smaller denomination currencies. The two figures that are important to monitor are Cash availability, Overall cost of cash left over”.

“The cost of cash ratio is calculated by adding up all the annual costs of putting cash into your machines (including banking, Armored Transport, interest, insurance, cash

management etc.

and then dividing this by the annual volume of cash withdrawn. This will give you a percentage rate. All these costs to banks sometimes 1 to 1.5%, on efficient handling”.

“There is a natural trade-off between cash availability, We usually work on the benchmark of 99.5% availability. This means that, at any one time, no fewer than 5 ATMs in 1000 can be out of cash”.

“The ATM owner's revenue comes from a surcharge and/or an interchange fee on transactions conducted at the ATM or by bank reimbursements”. They are responsible for cash management, balancing the books and providing security when delivering and loading the ATM, and third-party cash management, and use of vault cash services”.

“The armored car picks up the actual cash from the bank, the ATM are located near the bank and some near by places to access their money and accounts. The cash manager's gets orders from the ATM owner's where cash has to be provided”. “say one of the Services provider has circulated more than \$2.5 billion say in 12 months, and its losses from crime or theft were less than .004 percent.

Insurance on the value of the machine, the cash in transit, and liability protection against any number of accidental mishaps, are necessary forms of insurance for ATM owners”.

“The cost of vault cash services is in stress reduction. Valid vault cash agreement, the IT services, car carriers are business professionals”.

“Independent Sales Operation, or ISO and the ATM manager interacts for the placement of the cash in ATM. The ISO's coordinate the cash for the banks, with all connected agencies. The carrier delivers the cash to the ATM.

The cash provider transfers money to the correspondent bank for the armored car carrier, which picks up the cash, transports it to the ATM and loads the cash in the

ATM. Meanwhile, transactions at the ATM are recorded and monitored”.

Amrit concluded, “But these steps are not always followed in all countries. Sometimes the Vaults are in a central bank area, sometimes the Vaults are distributed at several places. But one of the Managers Manages the cash movement and reports to the District authorities regularly”.

Here we are going to play our role.

And all our men are ready to get at least \$2 billion, in cash.

The world bank has a role in lending to the required amounts for developmental activities, through the countries Financial Ministry, under agreement, and looks after the functioning of the central banks wherever they work independently.

The International Monetary fund, or the IMF, monitors the growth of economy, the policy, the Gross domestic product or the GDP.

It also employs consultants to monitor about the currency value, circulated currency, internal and external borrowings.

The higher cash management of countries, including printing of currency, circulation, interest rates, and reserves of Gold etc are decided by the country financial department in consultation with the concerned Bank.

The IMF chief was on a visit to some of the Developing countries.

He was having message after messages, showing about six small country treasuries are emptied using the Security exchanges of those countries, by major houses, in a span of 6 hours in a day.

He had another message, that a important trading country shares are purchased in 6 hours by companies not listed anywhere in the world.

Shocking,he canceled his trip,and moved to his head quarters.

Kaplia said Zimkita as our marketing head will explain how banks earn their monies,including establishment,staff and profits”.

Zimkita said.”The banks work on the earnings out of short term borrowings,such as Overdraft fees,this is 60% of the earnings by banks.

Banks incurring losses is because the asset-backed securities that were still held by the banks had to be valued as per prevailing market.

The Financial Accounting Standards Board (FASB) allowed banks to value their assets according to fair value. Additionally, banks also didn't have to write down assets that they intended to keep to maturity.

Money from savings accounts, help banks to draw huge sums,which can be lent out for short term loans with bill discounting,credit off take etc,by having sufficient securities.Long term loans are for projects which are having collateral worth almost double the amounts”.

Zimkita said,”now you are welcome to party and enjoy”.

**BOOK -TWO**  
**CHAPTER-1**  
**SATYA**

There was a man in coma,all faces are looking down at him. The head of operation has asked “how many such are there” ,some one replied ‘could be four,none are in consciousness.

The head managing the area, asked “can we make a picture of what is in his brain,what are the frames of information,and record what is moving in front of his eyes,also record all his memory”.It is August 2019

He called his assistant and told him “use all our records,and crack their computers,find about their family work,crack every thing,i want it”.

“Sir,can we know what to expect from him”

“yes ,he is very important,we need him,we need to trace the where about of Kapil,where he is and where he kept all the monies,in fact we three that is this man Kapila and me are from same area.No harm shall be done to this man,protect him,picture his thoughts,and give all the details hourly.Treat him with caution because he might know a lot more than what we think”.

“There are people wanting him,he is not an agent of any police or secret services,he is a simple citizen of the world,worked in several countries.He as a Engineer has developed the Forensics in to all other fields,other than

Medicine, and Computer science”.

“The investigative agencies feel he is victim of an assault, from some myriad cash management agencies. And most likely Kapila is used by them to assist them”.

“We are finding about his wife son, etc, and trying to make some sort of cover”.

“This is between you and me”. Dr. Raghu looked stunning.

The laboratory in charge Dr. Raghu is controlling his men and machines, the boss who came in asked him, “any success”.

The head Raghu said, “i am getting frame after frame from his mind”. Dr. Mohan looked at him.

“Use all Neuro imaging techniques and studies to process his brain’ and use fMRI (functional magnetic resonance imaging) and its advanced picturisation techniques”.

“It is about his ancestors, his father, and his marriage, i do not know how fast he reaches his present work”. The boss left.

The first frame he could develop, started with a marriage arrangements, it is quite bigger situation than data collection, or the Digital divide.

It is risky, still he started making frame after frame.

“His lips are moving, asking some thing, some one gave some Juices, some antibiotics, His brain is racing, as if he had strong doses of sedatives of the laughing medicines, his body is restless as if there is radioactive material around him.

Raghu knew Mohan as a dedicated doctor with abundant knowledge, and shares his experiences with all his friends and colleagues.

He had an infinite search engine within himself, and a computer to match his skills may not exist.

The mind, the heart, the thought and the body always races against time.

There were times when Raghu taught that to work under him is losing your identity.

Sooner he realized that he is getting the recognition which he never,or in future will get.

This laboratory is made in 24 hours in central London.

All standby arrangements are made.

This gentleman is airlifted from Mumbai or Syria or some place..

It is after the Mumbai flooding,it is after the theft of Uranium,it is after the UN accredited diplomats are bedridden.

But it is in 2020 August.

This situation the man on stretcher is facing may not last more than a few days,by end august or by second week of September 2020 he will be ready.

Raghu was thinking about the way his mother was kept in a old age home in India,by his brothers and sisters.She had all the money she had,a nurse can serve her better.

There were few who can help her with the partial paralysis that struck her one side limbs.The pain she was feeling was enormous.He is a migrant here in USA.He could only afford her medical treatment for a few days.But this condition stays for longer time.

No one in India wants to keep her or look after her.She gave all her properties to a trust created by her.She is in a crippled condition.He love her but could not help her.

He recalled how his grandmother was attending his grandfather who had one side paralysis.She was collecting his pension,taking medical unfit certificate.Going to the near banks of river with a earthen pot,and carrying water at least 4 to 5 five times a day,for all household work,at her age of 70 years.

Her daughters and her whole big family were just opposite house, and the help was minimal. She purchased a small plot of land earlier in life. Now she had attached or a plamera leaf temporary house on that land. It was in 1980.

Till then no relative looked at her or the crippled old man. On his death heirs started pouring in to collect the remains of him. They sold the last of his house and shared among themselves.

May be even the wolves do not do the way the needy humans does.

Now in 2020 his mother who has not looked after any old persons in her prime age is also in a old age home. Does god really exist, to show the sins they do on this earth. Repentance and death must be the part of human spirit.

**BOOK TWO**  
**CHAPTER-TWO**  
**Mumbai 2020 August**

It rained heavily,it was more of a cloud burst.

The heat during summer was so strong,that many felt they need more air conditioners every where or where ever possible.People were spending their nights on the sea front trying to get a small breeze of air occasionally.

Many residents have visited or worked in Arabian countries in the gulf,and are aware of the desert conditions.

But they have not anticipated those conditions to happen so fast for Mumbai.

Mumbai is hardly a few meters above sea level at Nariman Point,which it self was a prime area in 1980-90.The area is made out of the remnants of sea channel dredging and was called back bay reclamation area.Now the area is in an extreme land and is virtually sea locked.

It was where Satya and Calvin,stayed together for a brief period,when he was on a official trip.

Satya told him to 'be careful of Mumbai,the gangs are cunning and unaccounted".

Later after another two months Calvin was in his personal work when he was almost physically attacked.

Zia,got a letter next day after his departure to "deposit \$200,000,in an account if she wants Calvin to be protected in his job".

It continued "he has been here without his passport,and his DNA picture will be with Interpol,along with his conviction by the Mumbai police".

She was ringing frantically for him,but his phone was ringing no one lifted it.

She went for sleep.

There are long list of people in all hospitals,working on how to make a quid pro ,and jump the line and become an important person.

It was Ambwani,who had used much of drugs has become hospitalized,with motions.

It was Patel who had special connection of treated water.He was having direct helicopter landing to his office and house.He started feeling a motions syndrome or a irritated bowel syndrome and is still not cured since two days.

The Doctors were not sure why this is happening in Mumbai.,and why they need to test all for soil-transmitted infections.

They are testing others for sexually transmitted infections and others which are caused by more than 30 different bacteria, viruses and parasites and are spread predominantly by sexual contact, including vaginal, anal and oral sex.

Searching the spatial records depending on residences,they were cordoning each with suspected,Syphilis,Trichomonias, Chlamydia,Gonorrhea,AIDS, they are searching for Urinary tract infection.

Cancer of Hodgkin,and non-Hodgkin diseases can or may occur in bad hygiene conditions,many are under testing for gastro,Liver endangerment,Crohn's disease, also known as Crohn syndrome,you name it they are conducting blood,urine, body scanning.Cholera,Typhoid,Malaria,Diarrhea are most common in rains.

The checking for the microbe,using pathology to determine the immediate medicine requirements of treatments were under way.Using DNA wherever possible with available records,to know the precedence and to try advanced

treatments were kept as an option..

It looked Mumbai is in a war against disease.It is in a war against the plastics surrounding them with rain water.

But there are a section of Doctors,who are asking their assistants to be ready,with organ retrieval and storage in case there is any death is reported.The doctor,Ambegaonkar assistants are ready in the specified hospital,and so in other hospitals.

The doctors were hoping that Uranium have not left any radiation threat to the persons in the isolation ward.

The public health has become such a complicated issue,with the possibilities of disease and infection increasing day in day out.

The chief superintendent came out of the Government hospital,made a press statement.It says “we have over 150 persons confined for several private and government hospitals,they have a new microbe in their body.It is a mutilated and could be a new one.

The latest floods on a full moon day left Mumbai,undrained for almost ten days,leaving all the sewerage along with the sullage and night soil and what not.Added to it is the back flow of treated waters going to the sea at Bandra and Panvel have been thrust and were on the land.The undrained shear strength of soils is decreasing hour after hour,the cohesion of soils is wearing out due to the increasing pressure of water on pores of thus making soil-liquefaction.

This has resulted in many water bodies getting contaminated,so the residents are advised to boil and drink water.These persons are in confinement wards,and will be released shortly”.

The police commissioner gave a statement shortly after wards, “Further entry of persons into city is restricted till

further orders,the city is closed”.

Followed by the announcement that the city Airports,and other transports are closed.Private transport and public transport is allowed within city.

The food and vegetables are brought by government control agencies.

It is a big confusion how the age old disease control in such a vast slums of Mumbai can happen.

The huge data of Mumbai is showing the records of crime,ownership,usage,the spending of money by various forms.

The data, combined with spatial records has improved the management of city,that is how new drainage channels,treatment plants are proposed and are under construction.

Someone was overheard telling the Superintendent of an important hospital,”major neurological signs are infrequent in Ebola virus (EV) disease. When present, they consist mainly of meningitis, encephalopathy, and seizures.The treatment is first isolation and then exercising the bacteria resistant drugs”.

He continued “The physiopathology of brain impairment in EV disease is not well understood. Here, we report the case of an EV disease patient with encephalitis and meningitis from whom cerebro-spinal fluid (CSF) was obtained.In the given cases the Ebola is over ruled”.He concluded.

DNA sequencing is a method used to determine the precise order of the four nucleotide bases – adenine, guanine, cytosine and thymine - that make up a strand of DNA.

DNA sequencing is also in use for pharmaco-genomics.This is a relatively new field which is leading the way to address personal treatment requirements of medicine.

Individual genetic profiling is already being used routinely to prescribe therapies for patients with HIV, breast cancer, lymphoblastic leukaemia and colon cancer. The future will be bright as this can be used to tailor treatments for cardiovascular disease, cancer, asthma, Alzheimer's disease and depression.

Each human being starts out as a fertilized egg with 46 chromosomes (23 chromosomes from each parent). Forensic use of DNA is in identifying potential suspects DNA matching crime scene evidence, wrong conviction of a crime, finding crime and catastrophe victims, and paternity relationships. Crimes spots we need to collect the evidence of blood, semen, urine, hairs, saliva. That apart the physical way the criminal acted at the spot is the other evidence. The largest evidence comes from behavior and trauma and similar situation how the suspect behaved is important information the CID looks for, these systems combination is the DNA profile.

This is exactly where the DNA of Zia and Calvin are matched and kept by Mumbai hospitals and police, and in no time they understood who he is. But someone outside acquired the information and tried to use it.

In fact Zia did not complain to police that Calvin, has missed a day between his arrival and meeting her, and that he was abducted to unknown destination, he too was reluctant to talk any thing because his boss Edwards who was on a mission to Belarus, was calling him to return urgently.

There is a new confidence in women, and they were walking with their erect and straight posters. One of the young men was commenting in a market, the

women today are walking like the vamps of yesterday. Some one from the women side answered,"yes the present style for all heroines is the vamp style of yesteryear's".Zia loved to be a new heroine in the terms the observations are made above.She is abnormal in normal ways.

Two months back the team of Calvin was telling Satya,who was working on Mumbai high platforms of oil and gas about London.In fact the others teams also met him from the days he was constructing the Mumbai Uranium Power plant at Nagarhonne.

The modern drains were designed using the intensity of the rainfall in the given area.The discharge is arrived at by using the manning's formula.They arrived at the contours and discharge points in such a way that the water is taken away from the city though under ground sewers.

The design construction maintenance finance replacement treatment of flood water are part of the Public Private Partnerships lasting for 20 years.The investor will be paid for his return of money [financed by his financiers] on half yearly basis by the government.

"Calvin said,The Great Stink was an event in central London in July and August 1858 during which the hot weather enhanced the smell of untreated human waste and industrial effluent that was present on the banks of the river Thames".

"It was the civil engineer Joseph Bazalgette to move the effluent eastwards along a series of interconnecting sewers that sloped towards outfalls beyond the metropolitan area".

Work on high, mid and low-level systems for the new Northern and Southern Outfall Sewers started at the

beginning of 1859 and lasted until 1875. Bazalgette's plan introduced the three embankments to London in which the sewers ran Victoria, Chelsea and Albert Embankments. His sewer system operates into the 21st century, servicing a city that has grown to over eight million”.

Satya said, “i was involved in The Mumbai sewers designed by a panel of consultants is handed over to eight contractors to use, underground tunneling and storage systems, and only treated waste to be pumped out at offshore sewers at 10 km away”.

He said, “these construction are mostly time requirements like Charminar of Hyderabad built by Mohammed Quli Wutub Shah in 1591 at the center of the city's original layout to commemorate the end of the plague”.

Calvin continued “That misfortune was reserved for poorer countries — India and China. In India between 1898 and 1908, six million people died of the plague. The epidemic of 1910-12 killed 15 million in China”.

One of the chief engineers said “Bombay had epidemics in 1499 to 1522. Rat control and DDT spraying and other efforts in every city. In 1661 Bombay [Now Mumbai] was given to England by Portugal as a portion of the Marriage settlement of Catherine to British King. It was occupied by the British in 1664, and a leased to East India company for 10 pounds a year”.

One of his engineers in the meeting said “to preserve the data is becoming imperative. It was During the Lord Dalhousie time that the railways in India became prominent, and several gauges were introduced to meet the needs and terrain of India.

The first rail line between Thane to Mumbai was so

successful, that the British were obsessed with making of rail connections for all over India from 1850 onwards. The East India Company was given the license to construct receiving a guarantee of 5% on their capital and dividing surplus profits with the governments.

The land was supplied free of cost and the land and works shall remain the property of the government, after 99 years and pay extra for the rolling stock by the government to the company”.

“The British and the company have built important steel bridges for the railways during the years”.

The meeting concluded.

Someone was crying about his lost family. A family near by is asking everyone to give water and food.

A calf was looking into flood waters, the tears that rolled on its cheeks tell it lost many things and everything.

Two dogs were running with inconsistent speed on different directions, on the same road. There were dark shadows below the eye line. They must be searching for their masters if not for their wards.

It was night without end. It was a day never dreamed about. It was pathetic.

## **BOOK TWO**

### **CHAPTER THREE**

#### **Nuclear Facilities**

**The Mumbai uranium power** plant construction, started in 2015, after hectic negotiations. Satya was in-charge of the Intake channel, intake structure, containment, auxiliary and fuel buildings. This is generally called Group A island.

Turbine Island, comprising mainly, the turbine building, structures and systems that support power generation are called Island B structures

Balance of Plant covers the reactor plant component cooling and service water, electrical distribution system and fuel oil supplies, station service system, radioactive waste building, plant security and monitoring systems, other BOP structures and miscellaneous station support systems, supplemental systems and structures required during plant operations. This part is called Island c.

Satya along with his team has made the concrete batch plants functional day and night. Huge stocks of metal sand cement and fly ash were kept ready. Concrete quantities and pouring schedules are kept ready.

The concrete activities in new Nuclear Power Plants are on the critical path, when we go in to Microsoft project planning schedules. The construction has to be in parallel activities with numerous concrete placements occurring site wide on the same day.

Based on his closeness to Calvin and Edwards, he recruited Zia to look after the IT segment of project procurement and construction.

Essentially, all concrete structures are built concurrently. Concrete is a critical has to be poured as is where ready, and

most of the times as a continuous pour with out a break. He kept the precast items for intake channel ready,and had loaded in to a barge to lay them in the sea,and join them.

His construction techniques were matching the International Atomic Energy Agency regulations on metal forms,use of metal deck,and self leveling concrete.He employed more than half a dozen Derrick crane barges to lay the intake channel precast elements at 20 M level below the average mean sea level.Automatic elevating scaffolding are some such techniques.

The understanding that at that level the sea water is quite cool,and helps the system to have better feed for the cooling water systems.

Post construction laser technology is extensively used,and 3D laser scanning is used to get high speed high resolution 360 degrees data capture.

That was when one of his assistants told him that reactor building balance of installation a party headed by Kapila is at site.

There was no eye to eye contact,nor did they meet physically,Kapila company got the works,but he was never seen at the construction site.

A total stations with electronic theodolites,called EDMs and a data collector were installed at site. Electronic theodolites, which have been used on many construction sites, measure the angle from the set point to the location. Lasers are used to measure the distance from the set point to the location.

The data from the EDMs is then fed to a data collector to record the locations on the construction site.Many places Robotics were used for total stations.

Computer-aided design (CAD) files can be downloaded into

the data collector, or coordinates can be loaded for each point to be laid out in the field.

Blasting for foundations in the under neath rock is done using non-detonating chemical compound enclosed in a cartridge. These cartridge when ignited produces high volumes of harmless nitrogen, carbon dioxide and steam. When the cartridge is sealed in a drill hole, it allows splitting of the rock or concrete.

The automatic welding equipment is used to get defect free welds, avoiding repetition. This equipment was a necessity for welding titanium tubes to the condenser tube sheet.

In regards to reinforcement used in construction, welded grids were used to save labour in both cage fabrication and installation. The concrete for base slab has been in single pour.

Tears or voids in concrete are avoided in concreting with slip form, as this is the major enquiry regulator looks in.

A plan is developed for the construction work to be performed on the platforms at three elevations.

The work is done in two 12 h shifts. Continuous testing of concreting and collecting of samples in accordance with the project specifications and governing standards went on throughout the slip-forming process.

The containment vessel top head is one of the critical factors for the NPP, it generally is 40 meters in diameter, and could be 11.5 meters high. The total structure as a single piece weighs about 790 tonnes. The erection has to be handled very carefully using sequential handling systems by use of multiple cranes.

Not even a blast Furnace of steel plant is so heavy, and handling such structure is always associated with man made

mistakes. Some times excessive rain on soil, excessive heat on handling equipment, and wind blowing in possible hurricanes are what makes a disaster.

The containment vessel is a high integrity, freestanding steel structure with a wall thickness of almost 6 to 4 centimetres. The containment is 40 meters in diameter. The ring sections and vessel heads are constructed of steel plates performed in an off-site fabrication facility and shipped to the site for assembly and installation using a large-capacity crane.

The containment water tank, large round component is a major part of the AP1000's safety systems. It will hold some 4000 -3000 cubic meters of water ready to flow down to evaporate from the surface of the containment vessel in any emergency situation where the reactor system may be overheating.

The spent fuel storage building also has a facility for inspection of spent fuel bundles.

In the event of any leak observed in the bundles and transferring mechanism, they are moved to a pre-decided location inside the pool.

Any inadvertent dropping of a spent fuel cask during handling is provided for by adequate reinforcement in the raft, as well as thick metallic embedded plates in the cask handling area.

Use of the cask handling crane is limited to the cask handling area only.

The intake reservoir bunds, and let off water reservoir bunds were done by him.

Satya monitored the whole construction from 2015-2018, and handed over the plant facilities and left for offshore platforms.

It was in 2020 August 14, he was taking out a Jack Up barge

with a ship mounted toe crane,to start his piling for the other platform,which is used for delivery pipelines.

There were chilly winds,and the weather was sultry.The salt laden atmosphere is as a result of high sunshine,and the resulting vapor into the sky.

The visibility has almost been less than few meters.

Helicopters were hovering above,and sometimes there were some of the UAV to get the brazen pictures of ships movement.

The lights are still glowing at 7 AM in the morning,and probably will be there throughout the day.

One of his ship associate came to him and said “sir,there is a ship hardly few meters away from us,it has different lights mounted on its deck,i had been observing this and used the UAV to picture its proceedings”.

“O.K,what did you get”.

“It looks like they are unloading some precious items”.

Then he turned to the UVA operator and asked “show me the video clippings”.

All of them including the ship captain watched the clippings,from four cameras mounted on the UAV.

Someone said “it looks the drums are not plastic,or just had plastic outside,it is clear that for such a small drum,two persons are lifting the same,it could be yellow metal in titanium drums,which we handled recently”.That assertiveness indicates he is the ship captain.

They saw 20 drums could be 10 kg weight,in small red colour drums are off loaded.

Immediately the captain looked into the eyes of Satya,but before they finish the eye contact,there were sirens,and speed boats.

It is not the petrol,but it is the opposite side,they came in to

the ship,the radio of ship was sending signals on walkie,and the shuffle,and abduction were recorded.

After search for four days,they could trace almost all crew members in the Arabian sea in small 6 boats.

Satya along with the captain,the UAV operator,and the communication expert was moved to London,hospitals,in a unconscious state.It is almost end of August,2020.

**Dr.Raghu** immediately telephoned Dr.Mohan and said of his recordings of a ship and date around 15 th August.He also shown the mental pictures which shows Mumbai flooding of the day.

Mohan said i am calling many experts now,we shall have very urgent meeting.

This man is important for us,his fast recovery and his memory recordings are necessary for the case.Be careful, and be cautious.

**BOOK TWO**  
**CHAPTER FOUR**  
**India 1945-60**

People were just moving around, the house has a look of function, with lots of 'Palmera' leave. Palmera is the Spanish name for palm tree, here the trees are little different and are widely available and used for different purposes. Pandal' around the house.

Everywhere there were mango-leaves, hanging from the door frames, and giving a fresh smell of scents, driving out the bad odors.

This is the marriage of his father, which his mother used to describe, which Satya is dreaming and visualizing.

The street was well cleaned, by the sweepers whom enough money was paid.

The money then was more in coins, and then currency was in little numbers. The coins were hitherto "of British queen, and some made after independence".

The owner told the sweeper man and the toilet cleaning women, though they do not have any toilet in the house, and though they use the vast open yards for excreta by men and women.

Women go in groups and use the available bushes to cover themselves from the view of men.

But the class of workers and people working in fields and men going with cattle try to put an occasional glance at women.

The women still not practiced use of either a bra, which till then was not invented, and they have not got the blouses made, because the whole cutting and stitching has to be done by hand only.

It many enthuse the on looker when the sari slips aside and

when bare protruding breasts are seen. Luckily for the time there were no slums, and there were no problems of water flooding. Indian population was less than 250 million.

The groom father is an old egalitarian leader living away from his vast farm lands, and cultivation activity. He was almost away from his ownership land by at least 12 hours of travel. He turned at the sound of a voice.

He was standing on the slope of a small pond. At the foot there was a smooth stretch of green freshly netted mats. It was on this stretch that the people of Vizianagram region held their pony races in the summer months. There was no sign of horses; but only a cart tied with two bullocks a chariot meant for the warriors.

There were no machines near by. Far away an occasional bus horn could be heard. There are whizzing sounds of cattle and bullock driven carts which can be heard from the street.

There were a group of guests who freshly arrived and were descending from their grass laden carriages of the carts.

Someone brought wedding box, carried by two men.

The box has doors for climbing in, it has windows for respiration and having a view of the surroundings. It has two seats opposite.

This is called, 'the palanquin'. These were used for traveling both short and long distances providing an efficient means of transporting the rich, the women.

Villagers will carry the groom to see his bride in this commoner's palanquin. These carriages were used by the kings for their women to travel places, now they are available for rich people for their weddings.

The whole of the hair cutters finished their job early in the morning, in all the houses, and came in half a dozen in number with their flute, their harmony, and their big bands.

They started beating the drums when the guests are taken to the place where the great 'Haridas'. He is the person who traumatically tells the ancient stories of Lord Vishnu, the Hindu god. The head of the house was sitting and watching the proceedings.

The guests were taken to a nearby pond by walk, where a boat was decorated like a Swan, using the mango tree leaves and variety of flowers.

"But, I do not understand. What are you going to do!" asked Laxman, the brother of Haridas, he is the youngest of the bridegroom father.

when he had recovered from his surprise, "I am going to take you to a place of safety," said the other brother Raman.

"I have no reason to be grateful to you, as yet," breathed Laxman. "Tell me more about the marriage arrangements, and A word from you could save me."

"I could not lie, my dear Laxman. And honestly, I had forgotten the existence of the fact that the bride father do not have any money and he may part some of his land in her name. He may give a letter, and then latter he may register the land in her name;

They were all stunned, because they knew they had paid whatever they promised for the bride, and if that is what you are referring to, but I am trying to do what I can for you and for your wife."

"My wife!", Yes said Raman to Laxman "She is waiting for you," said the other. Das was little away but cautioned them that there could be some gun firing near the Diwan [Diwan for a zamindar is like a chief minister in the council of ministers] house, as there are always some training for the zamindar sons happening always.

But from nowhere Nagu came, he was having a pale face as if he is fearing for something and his body was shaking, as if he had some problems in controlling himself.

Laxman and Raman asked him, last we know you were sentenced to 7 years Jail, a year ago. Now where from you came.

Nagu turned his head, listening. Across the moor came the dull sound of a gunshot.

"You haven't time for argument. They discovered your escape," Laxman said. "Get into a cart and start moving away."

Near by there was a small plane which the Rajahs [Zamindars] used to drive for going to different places for pleasure or for visit.

there were two people emerged from nowhere and started moving towards the plane.

One was telling we should somehow steal this plane, the other said they can locate us, because the movement may be located by police.

The other said i am confident, and Nagu was near them in a minute.

"This is a self-starter," he said, "one of the newest models of monoplanes."

He clicked over a lever and with a roar the big three-bladed tractor screw spun.

The aero-plane moved forward with a jerk, ran with increasing speed for a hundred yards, and then suddenly the nozzles burst with speed, and it jerks stopped. The machine swayed gently from side to side, and looking over, they made it above ground, and saw the ground recede beneath him.

They climbed in one long sweeping ascent, passing through drifting clouds till the machine soared like a bird above the blue sea.

Nagu along with the other man who was not in pilot seat was looking down. He saw the margins of the sea and that of the coast and recognized the number of white houses that stood near the sea front which was a few miles from the pond where the marriage party was making arrangements for celebrations, but in an incredibly short space of time all signs of the land were blotted out.

Talking was impossible. The roar of the engines defied penetration. And they were looking at only two signals, one was the motion of plane in relation to magnetic north, it is heading westwards. The second was its speed. Suddenly the pilot looked at the fuel capacity and understood it is full, and will cover at least another hour of travel, by then they will be away from the owners of the machine.

What they were not aware of the altitudes of hills, in west side, and the rainfall, weather and wind speeds. In an hour at a far away visible place the plane collapsed, in heavy down pour touching the 4000ft altitude of Jeypore hills. The Rajah alerted his men to go and see the wreck.

The Maharajas of Vizianagaram are believed to be the descendants of Maharanas of Udaipur, the Sisodia dynasty. An important event in the history of the district which occurred at about two hundred years back at this time is the war between the Rajahs of Vizianagaram and Bobbili, popularly known as Bobbili Battle.

The war was fought between the Maharajah of Vizianagaram and the Rajah of Bobbili went in January 1757. The

present fort was constructed in the year 1712-1714 A.D, before they fought with Bobbili.

How ever Visakhapatnam is different as it is centrally administered and is not owned by any of the Zamindars.

**BOOK TWO**  
**CHAPTER FIVE**  
**The single engine plane**

The Rajah of Kurupam was sitting along with the Berhampur Zamindar, and the Rajah of Bobbili.

He is always furious about the Vizianagram Rajah, because they took the help of Bussy, a French general to occupy their fort about 225 years ago, unsuccessfully.

Since then it took them lots of efforts to build the empire, though it is small.

Kurupam Zamindar son is also in darbar, the Bobbili Raja said, my son is marrying a girl of Babbar Rao, from Vizianagram, who is an important man in Rajah ministry.

Then Bobbili Raja said, the girl Saroja is secretly grown among the community of women, who are diverse in copulation activities.

All were dumb for a second, from a distance the Rajah saw something falling, and suggested all look at it.

That was the Aeroplane Nagu has stolen, which has fallen in Jeypore hills.

‘We have people to look at what is happening’ said the Rajah. And I am bestowing on ‘Rama’ the job of finding about the plane, and the happenings at the Vizag Collectorate and the details of ship, they are arranging’

"What is it, Upon me?" said the girl in genuine astonishment. "Well, I can't say that I have so much love for your highness."

"That I can well understand," murmured Papa Rao, the Kurupam Zamindar.

"But I certainly do not wish to dissolve your partnership," she went on 'showing her finger to the Bobbili Raja,Tandra subbarao'.

"It is rather more serious than that," said Pappa Rao, who was sitting by her side,in a cart driven by a horse.

"The fact is, we are acting in a perfectly in an illegal manner, and we are going to reveal to you the particulars of an act we contemplate, which if you pass on the information to the police, will result in our professional ruin. So you see this adventure is important to us than at present it is to you. And here we are!" he said

The cart turned into a narrow drive, and proceeded some distance through an avenue of trees before it pulled up at the pillared porch of a big house.

He helped her to alight and ushered her through the door, which opened almost as they stopped, into a large paneled hall.

"This is the way, let me show you," said the younger man,who opened the door.'There was a man sitting next to a radio device,through which to communicate'.

He opened a door and she found herself in a big drawing-room, exquisitely furnished and lit by two silver candle holders,with specially made glass for multi-way reflection of light were suspended from the carved roof.

To her relief an elderly woman rose to greet her.

"This is my wife,," said he"I need hardly explain that this is also my home."Said Papa Rao

"So you found the young lady," said the elderly lady, smiling her welcome, "and what does you think of his proposition?".She is accustomed to seeing many ladies with him.

The young man came in at that moment, and divested of his long raincoat and hat, he looked like a fresh college graduate. Rama was immediately interested in knowing him. He was good-looking too, she noticed with feminine and alpha spirits, and there was something in his eyes that inspired trust. He too liked the girl.

“Tandra said, this is confidence, Nagu or any one such may come to night or tomorrow night, here. Please allow them and treat them like our gusset. I will tell you a reality soon”. The meeting ended. He called Rama aside, “you will be with that boy while you were in Waltair, He will be yours, but take care of what we wanted”.

**BOOK TWO**  
**CHAPTER SIX**  
**Life in British India**

**Satya** is still in unconscious state.Dr.Raghu asked his doctors to check,Blood Pressure,ECG,recordings,and the movement in central nervous system.

Things are seemingly normal.He was astonished where from this huge machine is developed,what set of data it uses.Predictably the years it is giving is based on either his autobiography he told,which the computer could be drawing from numerous Data centers around the world.

The reading of mind and giving his thought in a series of audios was at conceptual stage.But this is the machine every family wants,to know what is in the minds of critically ill people.

Here in last 18 hours,he has gained plenty of movement.There is no question of nuclear radiation,there is also no Ebola,even HIV.These issues cannot make a person immediately immobile.

This could be drug,alcohol,or a food poisoning,Yes the machine is converting each set of memory recollections either into a photo,or into a video.

That is great invention.This Sigmund Freud or,Henry Havelock Ellis,might have conceptualized. But now there is picture of mind mapping,by the machine.

The set of second frames Dr.Raghu getting were somewhat disturbing,he said the first set probably looks little older than his thought and birth,but these are some what confusing.

He went on recording his Forensic investigation of the Mind,with the tools at his disposal.The imaginations are apparently still pertains to years 1945-54.

**Some may think the women** based on what they heard of “vatsayana kamasutra”,where the women and men are described,based on their genitals,and body.

Some might have read about it ,while some may be married and still hunting for any unsolicited women.

Many families debate in their spare time about,the Kama sutras.

The Vatsyayana, principles could be guideline on the four classification of women, the Padmini, Chitrini, Shankini and Hastini.It also the enumeration of the days and hours on which the women of the different classes become subject to love.That could be a description of menstrual cycle for women,while it is lunar calendar for men.

The custom of finding suitable grooms by the brides was deliberately changed to family marriages by the time roman empire was in place.

From this by 5 Th century the women have relegated to household chores,and other unimportant works,while the rich men were having various forms of votes,and saying in the society.

The education of women were limited to educate their children or look at the stocks animal and farm produce at house.

Customs to be followed by men and women,when they are abroad are well described in the,'KAMASUTRA'.

These traditions were more social customs which were existing ,and so the laws of the times.

In unclassified age these probably could be referring to more about the Genetics,thyroid base,human antigen,class of

blood, origin area or the Geo-spatial location of the human species.

This also could mean about the diseases one acquired or carried. But how ever the translators of that age could not specify these because of lack of knowledge.

The evenings of such families was with out electric lights. It was after the inheritance of independence in 1947, street lights and so the house connections started pouring in. However the definition of affordability, remained a subject for acquiring a water tap for the house. Important residential areas were covered with street lights. Only affordable have their houses electrified.

People used to have either a kerosene lamp, well protected with a glass hub a protection like an enclosure. It could be small or big lamp again on affordability and requirement. Some used the small cotton candle.

Things were turbid even after the acquisition of the independence, as there were less medicines, for treatment of malaria, which was then a global problem, for decades. The problem with typhoid, because of lack of chlorine treatment of water, and chicken and small foxes were very high

The incidence of these because of e-coli, and b-coli, due to exposed human excreta was also not recognized.

Who ever had such knowledge tried to take care of themselves and their families, by asking them to spit on burning stoves.

The time was probably in between the second world war.

The Scindia steam navigation shipyard almost started producing the ships, at Waltair after 1944.

There were employment opportunities many like to have outside the durbar of the Zamindars. The word is loosely used

for the landowners, but actually the medium zamindars were the controller of human settlements, and collectors of taxes. They also regulate life, judicial system and money supply.

The barter system has just ended, and the British India coinage and Rupee controlled by the queen were in place.

These women are not from Rome, but these women are from a decedent family of Dravidians, who started migrating back from Tiruvallur, in search of ether livelihood, and in the process they could reach to their ancestors places in Vidarbha, where they all lived happily.

There were social problems as the parents of girls were selling them to future brides, who pays more money.

This has created two problems, child marriage has become a custom due to the Bahmani sultanate, and the child girls, who were not even 8 years and were still waiting for puberty were married, rather sold, to persons who were 40 and above age.

The life expectancy still remained almost at 50, with here and there some persons remaining having life till 70 years of age.

Each one of the house is constructed using the neighbor walls. For protection against theft. This was so because the law was still not proper, and not many police available. There is difficulty to approach the available police officer as he was at the services of their superiors or the rich.

There are around 4 to 5 streets each with a road of around 20 feet wide, and the street length was about a furlong, comprising about 15 to 20 houses. The house sizes were decided based on large or small family.

The area of location of such a township, has the blessings of the ruling elite of the region, and a municipality was created, and taxes were collected regularly, each year.

‘He thought he must be thinking about the women and their condition before his birth, and wrote the same on the set of recordings’.

The women of age old systems were a real queens of their kingdoms at the times of Roman Greek, and Trojan times, or the similar times of Ramayana, Mahabharata, etc.

And one such place where they see prostitutes is at the temple street of the town of Vizianagaram. It is in the months of November they go to the Lord Shiva temples, where they see, the women who make a living, by offering themselves to the needy men.

There might be places where women may get the services which they herd are for a group of rich women, for whom the village servants comprising women and men serve to bring them back to the human pleasure of their master, if it is the man and other wise the women who might be wanting herself to enjoy.

Humans slowly left the cave culture, and built own buildings, in the process invented the system of adoption of labour as tool for mitigating the contract performance liability.

Governments have made laws to amend the contract labor abolition as an act even in 18Th century. The child labor abolition act was also in place.

But the unorganized sector vastly remained without checks and balances.

The poor system of money supply by government has led to sufferings and unwanted barter systems. Generally the loss is to the farm producer which were in plenty in yards in the season. There were no finances and no off season sales for such produce. Groups of villages were still in need of barter

systems or exchange of goods as a means of trade. There were men who were available for bringing the required utensils made of brass, and lead, and for bringing the wood for fire for cooking.

It was imperialistic India, which has faced two world wars, and was heading to develop its human beings and trying to get rid of the name of British India.

Irrigation and agriculture were rather freak and unorganized. So was the cattle breeding and rearing techniques. More women have to deliver babies with the help of domestic help.

Penicillin like medicine and prescription drugs were not known, in these parts of India.

The Predominant TB was to be treated in specialized government and christian hospitals.

**BOOK TWO**  
**CHAPTER SEVEN**  
**Marriage arrangements**

There is festival atmosphere in the house. There are boys who are dressed in the dhoti, and small hand stitched banians. There are girls of age 5 to 10 years, running and singing a song on Siaram. The girls were wearing a hand stitched Blouse.

One corner of the house women and men were making sweets, using gingelly oil freshly ground by using bullocks, in a small stone crusher not far away. The Jaggery, was made again fresh from the sugar cane brought from the nearby field, by burning in hot stoves, but that jaggery needed something to consolidate. Sugar making was happening only few places. Availability, and cost were abnormal.

The young boy who is to be married is about 25 years old and he will be marrying a 16 year girl, in the nearby village, which is about 30 Km away.

He has half finished his studies, when his elder brother asked him to join in a job, in the estate department of the Zamindars, who were also called the Rajahs.

Many liked his way of talking English, and it's pronunciation, and some wanted him to come and train their wards at house.

He was on his way from his job when suddenly the Minister in Rajah sahib department asked his elder brother, 'is he your younger brother'.

'Yes sir', said his elder brother Krishna .

'Raja sahib has some social responsibility to get some one to teach a girl of about 15 years. And i heard your brother knows better English'.

His elder brother said,'sir he is in estate department,he has to go to near by ponds and reservoirs to see their maintenance and release water for irrigation'.

The gentleman said,'that we will take care this year,and he will maintain the fort structure only this year'.

Sir ,'he is getting married and it may look bad if he goes to that street in the evenings'.

'That we will take care', 'and tell the father of bride every thing,in fact they may give him some well smelling,body lotions,and good stitched clothes'. 'Others may envy him'.

And that is it.

The young bride has started teaching the Beautiful Saroja,very young talented girl of 15 years every day for 2 hours in the evening.He was having very nice white dhoti,which was brought from a good merchandise,a well stitched shirt suiting to his Gymnastic body curves.There are at least a dozen types of scent's in his room,smelling differently from rose petal to other flowers.

He was walking on the road,with his new chappals,as if some thing different is there for him.

People on road,his relatives and friends were unable to make what happened to this would be bride groom,who is a few days away from his marriage.

There are certain un-announced holidays.

Her text book is made of many complicated histories.

In the process he thought her more English.

The process in India of women education and liberties,started by end of 11 Th century with Razia sultana,and extended to Noorjahan [Wife of Jahangir,who was controlling the whole empire]times.By then the Indian women started becoming queens of their Kingdom.

One day he was explaining about the Trojan war.He said it is

like our Mahabharata.

Saroja glared at him, and asked him, "why did you fail in your SSLC", He said "i am the most wanted young child in the house, and no one wants to leave me". and continued,

"If i pass i have to go Scindia, and then to the Army after working in the ship yard, i can join army, but i do not want to leave my father and mother".

She said with her wide open mouth, beautiful eyes half exposed, wide jaw with exasperation, curly lips, with plenty of expression, "but you can pass and stay here. I will tell our Sir"

There was another girl she is the Daughter of Balaji Rao, who constructed and owned a Theatre, 'Minerva' and she is the daughter of him, who was to pair with Saroja, in learning English from somu. "Why did my father Chose me?" repeated the startled girl.

Saroja said, this gentleman is getting married shortly and may leave for work outside, that is why sir has chosen two three girls along with me for learning English.

I am assigned this work daily 5 PM, to 7.00 PM, the Dewanjee [Minister of the Zamindari] said i can go home every day after 3.00p.m, and come here in the specified time.

Then Saroja introduced Bhanumathi, as "Balaji Rao, the municipal chairman" Daughter. He said "then i can see some movies in your theater". Saroja said "i will come with you to see the movies", while Bhanumathi was hesitant.

Saroja said "as teacher you can come with us, there is a box for 4 people to sit and watch the movie. We shall see that way".

Somu "That is good", "when good movie comes like Mother India we will go. Now let us start our text book".



**BOOK TWO**  
**CHAPTER EIGHT**  
**1946 -The Marriage**

The marriage happened at a nearby village, and the groom and his father along with his and his father other brothers and relatives were over looking at the arrangements of travel transport, housing food, clothes etc.

Suddenly from nowhere a sound was coming from the pond. It was one of his uncle who could not attend the marriage, Veeru "Really, I feel I'm entitled to some explanation, and if you don't mind, I would like you to take me back to my office. I have a job to keep," he added grimly. He is working in the Rajah Sahib office, and wish to go back there.

Six rupees a week, and a few guineas extra for tuition in that bad street for those girl and women ,we do not approve" said the man below the umbrella, who is another uncle by name Ramabhadra. "Believe me, Aunt, they are good women and girls, and brother talked with the Diwan, and with extra money i will have more money apart from the salary."

It is deft silence when Somu said about the Diwan, each one started going to other, and started leaving the place.

All could only have only have long gasp.

Suddenly his aunt turned her head and told Veerabhadra "You seem to know a great deal about my private affairs," she said, when she had recovered her breath. Veerabhadra said "Your recovery of tenet rents is a deal more than you can augment."

She guessed he was smiling in the darkness, and his voice was so gentle and apologetic that she could not take offense. But, He continued, "In the last 3 years you have had nine judgments recorded against you, and in the previous years to

that another seven. You are living on exactly thirty 'annas' a week, and all the rest is going to your father's creditors."

"You're very impertinent!" she said hotly and, as she felt, foolishly.

"I'm very pertinent, really. By the way, my name is Veerabhadra. The gentleman at your side is Mr. Ramabhadra, my elder brother. We are village lords of kurupam. The other trio along with that man who left is from Bobbili Zamindari.

Others who are from the Jeypore Zamindari are in that 'Pandal'[a covered place in open area used for a occasion is called], we all shall be united against what these Zamindars may do to us. And in that aspect Nagu is doing great work."

People started Laughing in the sunset, with almost no lights, and started sitting on the benches and cots kept for them. Then Aunt, Kamala started telling, "veerabhadra, please do not tell about Nagu either in this wedding or in Vizianagaram, because he is labeled by these 4 zamindars, and also by the pithapuram zamindari as a revolutionary".

That was the time when Nagu, entered the house of Bobbili zamindar, with a guide, "hearing the footsteps, the guard went to wake up the Zamindar.

The doors are generally heavily built with wood, and many cross locks hang on to the door, by the time Nagu was seen it was another hour.

Both saw each other, Nagu signaled him, they went to next room, and lit the light.

"This is the plan paper of Visakhapatnam which you wanted," the zamindar opened paper saw it, folded it, called a waiter in the chilly winter night. The waiter brought a box which the Zamindar opened and that was about Rs.100/- notes of 100 i a bundle, handed it to him.

“Go to harbor from Konada sea,a boat is waiting for you,at Waltair,a small steam boat will be there tomorrow afternoon,we are fabricating a boat wreck at a beach,where we have a plane waiting for you,we have already told deputy collector not to look for you,he will alert, Burmese Government while you go to Ceylon.

From there after 6 months you will get a call to come to Kanyakumari.

Throughout your life you will stay in Pondicherry,Yanam.”

“Thank you sir.” and left.

**BOOK TWO**  
**CHAPTER NINE**  
**The Tuition and the Teacher**

After 3 days,Somu was in the temple street of Visakhapatnam at sharp at 5.00 PM.,he went to his office,and found some carpenters for making tables,found masons for laying new steps,and applying white washing.

There was no Labour or material contract.The materials are brought by the carts,as ordered,and for them a rate is paid.So he goes to the stone quarry and orders,stone,and small concrete stone based on cart measurements.

Then he went home and freshened up,wore his new dress,which was the topic of envoy in town,applied the scent. By the time he was opening the door,Saroja was with Bhanumathi,and another girl,whom he has seen earlier in the neighboring street.She is the principal's daughter,Nagamani. Saroja said “actually sir,wanted yesterday to meet you,but i had explained that you are married.This girl is Nagamani,the daughter of the college principal,she is also for learning English”.

It is O.K,said Somu,and started explaining Trojan war and comparing it with the Mahabharata.

‘In Greek mythology,Achilles is the important character,and Lord Krishna is comparable to him,but not entirely.When he was a baby, it was foretold that he would die young.

To prevent his death, his mother Thetis took Achilles to the River Styx, which was supposed to offer powers of invulnerability, and dipped his body into the water.

But as Thetis held Achilles by the heel, his heel was not washed over by the water of the magical river.

Remember that Thetis sea was existing at the location of Himalayas,before their formation.

Achilles grew up to be a man of war who survived many great battles.

But one day, a poisonous arrow shot at him was lodged in his heel, killing him shortly after'.This is our Krishna of Mahabharata,said Somu.

'Homer wrote Iliad,and he has not mentioned about the death of Achilles.It appeared in later Greek and Roman poetry and drama concerning events after the Iliad.

He then closed the book,completed his lesson,and looked at them some were exclaiming at the way he read the story,some were still not able to understand.

Finally Saroja said,'about this we will discuss,after we complete the Mahabharata,tomorrow and day after'.

Bhanumathi,was looking from the corner of her eyes for the man while Saroja looked satisfied with his teaching for the day.

'By then Bhanumathi will understand this lesson'.She concluded,handing over a packet of Scents,and flowers to Somu,she said 'these are for you and your wife'.

They went away as the kerosene lamps were being placed in position.

The persons in-charge of street lights was keeping the kerosene lamps,in their enclosures,so that they guide the passengers about the road position.

Occasionally one or another bullock cart was passing with the shouts from its driver to the ox.

Some where the cycle rickshaw was banging its bells.Some time one or two cyclists were using their bells so that,the

people waiting in the corner of street for the start of night shows by dancers with draw and give way.

There were reserved places of entertainment for the rich, as well for Rajah saab, where other, flower holding males were not allowed to enter such of the lanes, where either the rich or the Rajah saab goes for his entertainment or past time.

Some times model business systems were discussed and drafts made in these houses, which were furnished like Darbar Halls.

It is in one such place Rajah and Diwan asked some businessmen and some important functionaries, 'who is Nagu, who assisted him in stealing the plane'.

'Some one told in the ear of Diwan, i will tell you in the Masonic lodge, tomorrow'.

'Rajah' over heard him "You can tell now".

Sir,"Nagu is from the Jungles of Salur" he gasped and continued 'he came with the pretext of marriage on a parole from the Jail, with the judge's permission, to that man in your engineering department somu'. Stopped and looked a while 'He brought two trained persons with him from Jail'.

'The plane collapsed, at Jeypore hills, but all the people escaped unhurt'.

The Diwan on seeing the signal from the Rajah, alerted his men and sent two parties, one to look in jungles for plane, another to talk to the Rajah of Jeypore, who is a friend to Vijayanagaram.

The king told a woman, in her ear 'See in the Vizag clubs, if you find the Rajah of Jeypore', she is Anu, "and talk to them about Nagu likely to escape by a boat".

somu has finished his regular work, it is already three years since he is teaching these women English.

The young Girls,Saroja,Bhanumathi,Nagamani were waiting for him at 6 P.M.,their mothers also started learning English from him.

He is in better control of his Engineering techniques,and when these girls gets married he is likely to be transferred to see the village tanks.

He had in his house Gram phone company player,with the discs,containing some songs of recent movies.

His wife is also expecting a child,it is almost year 1947,the citizens were preparing to celebrate the Independence,India is given.

One of the Kabuliwallah,living in the area was scolded by the young,are you going to your Father-in -law house.

The tall heavily built persons with a turban were the people coming from Kabul of Afghanistan.They were spread in all corners of country.Their system of lending was for Rs.100/- ,they collect at the salary place Rs.10/- per month.They also have a pro-note written for Rs.300/- when Rs.90/- actually is paid after deducting the last month interest.

This system of microfinance is still prevalent in many places in world,where the persons have no real means for pledging.

The banking systems have started spreading in real terms only after 1980,to help finance for houses,and for lending on gold etc.

It was the Rabindranath Tagore story,which talks about a murder,and a young girl who was a friend to the Kabuliwala who used to hear from him that,when the hot season comes he will go to his home.

On asking which house he goes,the kabuliwala says like the girl goes to her Father-in-law house,he will also go home.

On the suspected day the police arrests the Kabuliwala,whom the innocent girl asks are you going to your father in law house.

The story is fresh in the minds of young who used to tease the Kabuliwala who were not that educated.

Somu started,The preliminary to Mahabharat is the story of the Brothers Birth,he started.

This is a peculiar story,it also could mean about a change in use of metals,culture etc.

Bhishma,promised his father and satyavathi that he will not come to the throne and will not allow anyone to conquer it.He gets brides for his step brother Vichitravirya.

He choose,Amba ,Ambika and Ambalika.

How ever Amba refuses the marriage and woes to take revenge on Bhishma,for having spoiled her concerted love.

Vichitravirya falls sick because of a unknown disease.

Satyavati first son Vyasa was a saint,and was told that he has to leave a heir to the throne.

Ambika was to invite the saint Vyasa visit,but gets terrified at the sight,closed her eye for the entire duration of the encounter.

Dhritarashtra was born blind to her.

Ambalika the second wife was given a chance by

Satyavati,and she becomes pale on seeing the saint.

It was Pandu who was born to her,but handsome and brave.

Satyavati told Vyasa to give a second try with Amba,have no courage and the bravery to face Vyasa.

She sent her maidservant.

It was Vidura,who was the prime minister of

Dhritarashtra.All three boys received education under the guidance of Bhishma.

Dhritarashtra was strong,Pandu was good at archery and Vidura was ever wise.

Pandu was appointed as the ruler even though Dhritarashtra was elder.

This was so because the Shastras a king with a disability is not accepted.Pandu as ruler has assistance from Vidura who was the prime Minister.

Bhishma eventually had the task of selecting brides for them.Dhritarashtra married Gandhari who had a scarf around her eyes . Pandu married Madri,the princess from Madra.

Gandhari removed her blindfold to see her eldest son, Duryodhana so as to give him powers to him in war,she poured all her power into that one glance, rendering Duryodhana's entire body, 'except his lions' as strong as iron.

Krishna foiled Gandhari's plan by asking Duryodhana to cover up his privates before meeting his mother.

On their decisive encounter on the eighteenth day of the Kurukshetra battle, Bhima smashed Duryodhana's thighs, a move both literally and figuratively below the belt.

'Queen Kunti', had in her youth been granted the power to invoke the Devas[Gods] by 'Rishi Durvasa' Each Deva, when invoked, would bless her with a child.

Urged by Pandu to use her boons, Kunti gave birth to Yudhishthira invoking the Lord of Judgement, Dharma(also known as yama).Being Pandu's eldest son.Then she prayed other gods and got her children.

Gandhari's pregnancy continued for an unusually long period of time, she beat her womb in frustration.

This caused a hardened mass of grey-coloured flesh to issue from her womb.

She implored vyas. the great sage who had blessed her with one hundred sons, to redeem his words.

Vyasa divided the ball of flesh into one hundred and one equal pieces, and put them in pots of ghee, which were sealed and buried into the earth for one year.

At the end of the year, the first pot was opened, and Duryodhana emerged.

This could be a system of embryo fertilization used in today's IVF clinics, of modern world. Conception by using many techniques available.

The fact that Amba becomes a male from female, where by Bhishma refuses to fight with people who were in women hood earlier is a clear indication of available science of those days.

Like the period of Mahabharata, Iliad, could have been written at least by multiple persons at least 500 years before Homer, and Trojan war is part of Iliad. Homer used beautiful poetry, to describe the happenings.

The cities numbering nine could have existed in 1300 and 1180 BC, Alexander visited the Greek and Turkish portions in 345 BC, and later the Roman Empire also has visited the places.

Completing the story Somu said to Saroja, tomorrow I will tell one of the stories similar to panchatantra, but it will be from William Shakespeare.

Women could not hold professional jobs because they had no access to the required education. Instead, they worked in the production of wool and clothing, and some were surely prostitutes.

Free women of the poorer classes worked in the marketplace and obviously went outdoors much more than wealthier women.

It is almost 3 years since he married, and had his first child. He started using the bullocks to mix soils from near by areas selected by his engineer for making the protective banks for ponds. They built an inlet and outlet for the water to flow to the fields for irrigation.

They used casted gates kept between the masonry to control the water flow from pond. They learned what cotton used in Dhavaleswaram, for the anicut and built several inflow and outflow anicuts for many ponds in the district.

Saroja marriage is fixed, while Bhanumathi was to go to Madras, for further studies, while Nagamani was to join in Medicine in the following years.

‘A Jackal, which has come out of jungle, because the dogs were chasing it. He accidentally fell in to the Lions cloth kept by the washer man. He proclaimed that he is the god of forest and tried to walk like a tiger, and controlled the forest.

By evening a group of Jackals were passing by, and this jackal in lions cloths started behind them, crying in his own tone. The animals recognised how they were fooled during the day, and started, chasing the jackal. This is to say it is not easy to fool the world for a long time, what ever cover we give’.

He said ‘this year, you study is on Shakespeare, and we will start with, the “Merchant of Venice”. [ 1598 ] by William Shakespeare’. The story in brief is

Bassanio, a friend of Antonio, wishes to travel to Belmont to woo the beautiful and wealthy heiress Portia. He approaches Antonio, a wealthy and generous merchant, for three thousand ducats or coins needed to subsidize his traveling

and expenditures as a suitor for three months.

Antonio agrees, but he is cash-poor,his ships and merchandise are busy at sea.

He promises to cover a bond if Bassanio can find a lender, so Bassanio turns to the Jewish moneylender Shylock and names Antonio as the loan's guarantor.

Shylock hates Antonio, Antonio undermines Shylock's money lending business by lending money at zero interest.

Shylock had a condition for the loan, if Bassanio and Antonio is unable to repay on date, he may take a pound of Antonio's flesh.

The rest is a known story.

He demands his pound of flesh from Antonio.

A lawyer walks to the court and asks Shylock to take the flesh without a drop of blood.The lender recognizes his foolishness and asks pardon.

The theory of pound of flesh without a drop of blood.

Then he thought of telling about the Indian Kings capacity in detecting crimes.

One day before her departure to Chennai,Nagamani asked him please tell us how the country works.

He started telling,we have a democracy where we elect people to represent us in Parliament and Assemble,they in turn elect,Prime minister and Chief Minister.

These P.M and CM,appoint other ministers.

The country will have a constitution like America,where a president will be there and there will be police,and there will be courts.

We will have banks,and also currency for circulation for buying materials etc.

Then he said India used to have a better Judicial

system, starting from Akbar, Aurangzeb had a group of Wazirs reporting directly to them.

That is to say there were intelligence department heads reporting directly to the prince. Jalal uddin Akbar (1580) and Aurangzeb (1700).

Nagamani asked, "how did the empires before the Mughals rule India".

Somu started telling "Allauddin Khalji. [Khalji dynasty (1300)] When he ascended the throne, the kingdom was in complete disorder. As a consequence of rising powers of the zamindars and the Mongol threat, trade and agriculture were paralyzed".

There were problems and because of which Allauddin Khalji was forced to go for Price Control Policy, including fixation of prices of commodities, strict action on hoarders, strong espionage system, strict action on complaints, establishment of 'Diwan-i-Riyasat', and elimination of dallas (middlemen).

'Allauddin Khalji was the dictator and oppressive Sultan of India, levied house-tax and grazing tax on animals, milk-producing animals like cows and goats were taxed.

If weights were not as per standard at the sale point merchants' loss to that extent was recovered by the wazir. To make the citizens feel their might some times harsh punishments were necessary'.

Then Saroja asked 'what about Sher Shah'.

Somu took out the concerned page and started reading Sher Shah Suri (1500), followed a similar system of taxation, measurement of lands, allowing agriculture to develop, he was the first to keep separate military, with rank and file and had paid directly their salaries.

He kept separate head for justice department, and intelligence

departments.

Again as said earlier he was famous for building the grand trunk roads of India,after the Emperor Ashok.

Taxing ways to meet the expenses is a common thing from past’.

Bhanumathi said “how about the old empires of India”.

Somu laughed at the umpteen questions and said tomorrow we will discuss more”,and left for the day.

On the way he saw Dr.VenkatRao car going to some one house.

Being Doctor he goes to the people who can afford to pay him.

His medicines are made in his consultancy hospital.

He is eye doctor.

Potassium permanganate is for cleaning the wounds,or for cleaning the mouth.

A chalk mixed iodine dusting powder is used to dress the wounds.

Paraffin,wax and other such compound treated with the known medicals are used.

Sulphadiazine was common for all diseases.

Till such time chloramphenicol and analgin were available,only aspirin solution and deworming of stomach using antacids made of color sodas,along with penicillin were the medicines.

Next day he came to tuition after finishing his engineering work,and after treating a mason at Doctor hospital.

He opened the page and started telling, “After Chandragupta’s death, the empire continued under his son Bindusara and then his grandson Ashoka.

‘Kautilya’s’ who was the financial adviser,has made advises on ways of handling situations.

Amrapali, the beauty queen of those days asked another King, BINDUSARA, to stop fighting for her.

Then he asked her to perform a dance for his warriors.

He was father for another king Ajatha satruvu, of latter years. She went to Gautama Buddha, and became a disciple of him”.

Then he said, Finally “our great grand fathers were from Godavari area where Drought was rampant, we might have come here in 1820, and we all built houses in the assigned areas. The king gave Land to Brahmins, and some who were vegetarians were made to be believed as brahmins, for getting the land.

The land is on terms that after 5 years a tax will be paid to the king”.

‘The Godavari anicut is, perhaps, the noblest feat of engineering skill which has yet been accomplished in British India. It is a gigantic barrier thrown across the river from island to island, irrigating copiously land which has hitherto been dependent on tanks or on the fitful supply of water from the river.

Large tracts of land, which had hitherto been left arid and desolate and waste, were thus reached and fertilized by innumerable streams and channels.

Arthur Cotton was born on 15 May 1803, the tenth son of Henry Calvely Cotton, completed the Anicut by 1844”.

somu was on the highway, heading towards his house when some one said his elder brother is blessed with a daughter on that day, she is the fourth child after three boys. While his younger brother Chalam, and his friend Alapati from the Military were just getting down from the cycle rickshaw.

These rickshaws can be peddled and need not be pulled by men, this is unlike the rickshaw in Calcutta. The Rickshaws in

Hyderabad are light in weight, and the cyclist is free from weight, while the passenger may not be comfortable while in it.

Sonu is already teaching these girls since last two years. It was in 1947, he had a daughter, and later a son whom people named as Satya, seeing his outspoken character and intelligence.

He went on learning his mathematics well, while gaining knowledge of engineering, English, and Legal systems, from his father's day to day activities.

He became an Engineer by 1970, when he is hardly 20 years.

When Satya was 6 years old he heard his father telling about construction of Taj Mahal.

“Hira Bai, was an Empress of the Mughal empire and wife of Emperor Akbar, also the mother of Jahangir. She lived from 6 February 1562 to 27 October 1605.

Taj Mahal construction was started in 1632 by Jahangir. More than 20,000 workers were employed from India, Persia, Europe to complete the structure by 1638–39. The construction spanned 22 years. Taj Mahal, construction has left bad memories for many master craftsmen and highly skilled workers whose hands were amputated, to ensure that the perfection of the Taj could never be repeated ever again!

Taj Mahal has its land from the Jaipur King, Noor Jahan, died in childbirth in 1631, after having been the emperor's inseparable companion since their marriage in 1612”.

When he was ten years he heard, an aunt who was staying on rent, telling the neighbors, that copulation addiction is never really about copulation, but it is about intimacy.

She continued “Love ,mating exists for Tigers,for Elephants,Donkeys,Dogs,etc.Some produce babies,while some lay Eggs”.

When he reached his puberty he heard the aunt in opposite house coming near him,and asking him,how he is studying,by then it was dark and street lights were not bright enough,to light all the houses verandas  
By then she has put her hands on his thighs firmly,he loosened from her hands to avoid unknown coitus and ran away to play with others.

She told the next house aunt that,Cuckoos are the best known of these kinds of birds, but others include indigo birds in Africa and the black-headed duck.  
These are all birds that lay their eggs in other birds' nest's.

**BOOK TWO**  
**CHAPTER TEN**  
**Engineering Job**

It was Monday evening by then he has thought his masons how to set perpendicular lines for construction of walls,for the building.He learnt it from his engineer,3,4,5,where 3 and 4 are two sides of a triangle,while 5 measures the diagonal

.That way small corners of 90 degrees,or the perpendicular lines are set.Then they are extended to their full length.Again the same principle is followed.He followed his center line principle while marking the buildings.

He took,center to center of the distances from the wall centers and marked the buildings.

Then he marked half of the width of footing on either side of the footing.

He used the thread,and a simple plum bob to check the accuracy of construction.The masons used to get a straight rule for archiving single line in construction on ground.They started using all the three to achieve straight work for stone masonry.

He was ready,and his students were also well dressed and ready.He asked why are all so eager,they replied in Unison,'to day is the Krishna Astami,.LORD KRISHNA was born'.

Somu said the events described about Krishna birth,and that of Jesus Christ,are very similar.How such things are possible only history can tell us.

His Engineer, Rama Sastry said, "every day i will tell you a lesson, a story, a theory, and a practical way of working, and today i start with the Suez, and Panama canal".

"A canal, of about 166 km (103 mi) long, from the Isthmus of Suez and linking the Red Sea and the Gulf of Suez with the Mediterranean Sea, was Built under the supervision of Ferdinand de Lesseps, it was opened in 1869 and came under British control after 1875.

The modern canal was planned by the French engineer Ferdinand de Lesseps, who also supervised construction (1859-69). Great Britain, which had opposed the construction of the canal, became the largest shareholder in 1875 by purchasing the interest of the Egypt'. He concluded at Suez canal and looked at his engineers.

They were still enthusiastic.

He started again.

"There is one more canal, to allow ships from America east coast to west coast, from Atlantic to Pacific, "Panama Canal has a very big history, France began work on the canal in 1881, but had to stop because of engineering problems and high mortality due to malaria disease. The United States took over the project and completed the canal in 1914".

"The United States, under President Theodore Roosevelt (with John Frank Stevens as Chief Engineer from 1905-1907), bought out the French equipment, began work on May 4, 1904, on the Panama canal.

Chief Engineer (1905-1907), John Frank Stevens' had done the infrastructure needed for building the Panama canal. Theodore Roosevelt agreed for a canal built with dams and locks. That is how canal locks started making way in

transportation in water.

He rebuilt the Panama Railway and devised a system for disposing of soil from the excavations by rail. He built housing for workers and took care of sanitation and mosquito-control programs that eliminated yellow fever and other diseases from the Isthmus.

The Americans replaced the old French equipment with machinery designed for a larger scale of work (such as the giant hydraulic crushers supplied by the Joshua Hendy Iron Works), to quicken the pace of construction.

Better hygiene resulted in a relatively low death toll during the construction; still, 5,609 workers died during this period (1904–1914).

This brought the total death toll for the construction of the canal to around 27,500. In 1907 Roosevelt appointed George Washington Goethals as Chief Engineer of the Panama Canal. The building of the canal was completed in 1914, two years ahead of the target date of June 1, 1916.

The canal was formally opened on August 15, 1914 with the passage of the cargo ship SS Ancon. Coincidentally, this was also the same month that fighting in World War I (the Great War) began in Europe”.

He went away after completing his teachings for the day to look after the repairs to the Hawa-Mahal, the name means at any given day in the year there will be fresh air into the big hall where the King and queens enjoy the nature.

Somu was looking after the small rain water canals to be built on the sides of the market road, which is on the embankment of the big pond.

He thought for some time whether he shall give slope for the

canal, and remembered to have seen the water flow, into the pond during last rain, and decided to carry the work without slope. Since cement was not available, the masons were grinding the limestone adding some jaggery, and when it is fine were using it to bond the stones.

This Jaggery is made by evaporation of sap of palm trees, and is a good additive for retarding the setting time of lime and for moulding of plaster.

One mason came and told him, sir we are from a far away place, and to cook, and sleep we need a shelter.

He took all the people to a choultry in nearby area, and asked the Clerk, to accommodating them and give them food.

Next day he told his boss, that he accommodated the masons and carpenters in the choultry, and will deduct the charges from their wages. He further said that is what I learnt from you while hearing about Panama Canal”.

That is it for today now you continue to do your canals around the big pond.

Somu, went to his work, the workers had their morning meal, already started bringing big and small boulders, dressing them to make walls of 0.6M [2 ft] and had excavated to the required level suggested by the engineer, who gave the sticks to measure depth at each place.

The work progressed well in the following days.

The side drains were almost over in a month, and in between them, red mud along with broken stone was rolled by bullocks and drums, the well compacted road was achieved using water, spray regularly. The road was well laid.

The engineer was happy.

He said “we are building a clock tower like structure from tomorrow, and today I will tell all of you, including some of the machines and mechanics, about a tower in France”.

He continued “Engineer- Eiffel graduated ,upper subordinate course in 1855, became interested in the construction of metal structures, particularly railways and bridges.In 1864,

Eiffel started his own business,and became a specialist consultant in metal structures.His proposal to build the Eiffel Tower was accepted out of the 700 proposals sent in. Construction of the tower began in 1887.

Eiffel's careful calculation and placement of 18,038 iron pieces fitted together with almost three million rivets, is a remarkable engineering feat even until now.

His exact measurements of wind pressures at different heights and against the base pylons ensured that the tower could withstand any impact of wind in the future.

The Eiffel Tower was completed two years later on 31 March 1889, just in time for the Centenary Exposition, a celebration of the 100th Anniversary of the French Revolution.

The Engineer Rama Sastry ,then he took them to a place where he wanted to construct a tower using the clock tower like foundation.

Tomorrow we will talk about the construction procedures,he said and left.

The next month the Engineer took time to complete another historical issue to all his supervisors,one of whom was Somu. By then at least a dozen people have joined engineering department.

“In England during the 17th century, Sir Isaac Newton formulated the three Newton's Laws of Motion and developed Calculus, the mathematical basis of physics.This

has become the basis for modern engineering.

He said Civil engineering was an offshoot of then existing Military engineering, and the first college to teach Civil Engineering in the United States was Norwich University founded in 1819 by Captain Alden Partridge.

He continued, modern infrastructure started in, 1851 - with the First train in British India.

Earlier in 1830, The railway in the United States opened with 23 miles of track.

It was in 1830, The Liverpool and Manchester Railway opened, and almost at same time the first steam locomotive passenger service was introduced. The Railway Age has thus began.

Further improvements and inventions have been brought by, Michael Faraday, (1791-1867) who was a British scientist, who discovered the magnetic field, electromagnetic induction, diamagnetism and electrolysis.

This has helped in electrical transmission for long distances'. Another landmark is the US "Transcontinental Railroad was a 3,069 km railroad line constructed between 1863 and 1869 across the western United States connecting the San Francisco with Iowa on the Missouri River'. He concluded and left.



## **BOOK TWO**

### **CHAPTER ELEVEN**

#### **Waltair**

Waltair was centrally administered following an agreement between the British and the Vizianagram Rajah.

The other zamindars have agreed to pay them the revenue sharing. Bussie had fought a fierce battle at Bobbili, while the Kingdoms have defeated the French at the Minerva beach of the Visakhapatnam.

Latter they fought a battle with the English, and have made agreements with them. A collector was appointed and a Hospital in the name of British King George was built along with the construction of Choultry to facilitate food and shelter for the poor coming for treatment to the hospital.

A town hall was built. The harbor construction using temporary piling was started in 1926 after the first world war. The harbor was planned in land because of the vagaries of sea near the land. During second world war the Japanese went on bombing the port.

The ship yard was started by the Walchand group in 1941. Huge salt lakes inside the land were serving as buffer zones absorbing the tidal variations of the sea. Mangrove forests were protecting the vast hinter lands, which were marsh, salt laden, and were in a state of liquefaction.

A battery of arms were kept, near the shore, so that any merchandise ships coming to enter the ships can be identified. Any enemy ship or vessel cannot enter the entrance channel.

The three important clubs of Visakhapatnam are used to influence the trade and derive favorable policy for invention, education etc.

They were like the contemporary clubs of London in the days. And women are either educated, or business man's women or such who can influence the administration. They were the real alpha women who were so lucky in love because they're looking friends in the society of same class both men and women.

This is the place for them sometimes on holidays and mostly in the evenings. These women may not be seeking out a testosterone-driven Alpha man, they should try pairing up with their responsible, supportive, the Beta men and women in society. Wealthier women were escorted by members of their household staff when they visited friends and family members.

They were physically protected by their male relatives and were expected to protect their own reputations by avoiding familiarity with members of the opposite copulation and by not putting themselves in compromising situations. They did seem to enjoy some outdoor activities and it is realistic to assume that many had to work outside the home because they had no husbands or because their husbands were poor.

These five zamindars around have made clubs in the city, for use of their elite, for resting, and for merchandising.

These were the focal points for meeting, drinking, Gambling, socializing of the egalitarian society.

The Waltair club, the century club, the reading room, the town hall were serving the purpose of meeting the district administration privately. Even today these are focal points of civilization and a membership in any club is unimaginable.

There are perhaps some clubs in London,at the same time,also some estimable clubs (such as the yacht clubs of Mumbai,sailors club etc) have a specific character which places them outside the mainstream, or may have sacrificed their individuality for the commercial interest of attracting enough members regardless of their common interests.

Discussion of trade or business is usually not allowed in traditional gentleman's clubs, but increasingly politicians and business people hire club premises for debates and conferences on current affairs.

At the time England lost the American colonies. George III married Charlotte of Mecklenburg-Strelitz in 1761 to whom he was devoted.

They had fifteen children, nine sons and six daughters. At Windsor, he started the Royal Tomb House and commenced a number of restorations which were to be completed by his son, George IV.

George III suffered from porphyria, a debilitating disease which affected him as early as 1765 and throughout the last years of his reign.

George III died blind, deaf and mad at Windsor Castle on January 29, 1820,and was buried at Windsor.

This is a similar story of Shajahan and Noorjahan who conceived 14 children.

City of Westminster, London, running from Hyde Park Corner in the west to Piccadilly Circus is one such area where the night entertainment goes.

**BOOK TWO**  
**CHAPTER TWELVE**  
**The Search for Plane**

"He is not a murderer," he said gently, that was the Diwan of Vizianagram, sitting opposite to the Dy. collector, in his office. The office was elegantly built, housing the collector to have a view of the incoming ships to the port. 'He has stolen our, one of the single engine planes of the Rajah sir'. Vijaya, his aid is already with the Dy. collector.

He continued, "sir, he is a thief, the court has given him life time imprisonment, he took parole and came for a marriage".

The collector looked at the man in front of him, he adjusted his bow tie, and said in fluent English, 'you catch him, and bring here, we will ask the court to punish him'. 'Sir, he is now either in Kurpam, or Jeypore estate, we are trying to locate him'.

He gave a sigh of relief 'they are your friends, ask them to help you, by the way you have so many temples, in Coconada, and Godavari area, where you are not appointing even a pandit to do pooja'.

'sir, there are many fertile lands, which are given to the Purohiths [pandits] in lieu they have to do the daily pooja'. 'But last time i was in Mandapalli, and Draksharama, and Tanuku, i did not see even a single person opening the doors, we want to install Hundi, in all places, and collect money from people who comes to these temples, what about the wood, you are cutting from coconada area.'

‘sir it is needed for maintaining our choultries and Rajah saab ,own personal,devidi,that is only source for cooking of food’.

‘o.k,you may go’.The deputy left.

Vijaya told the Diwan “The Deputy has agreed to cover-up the story with a false alarm’

“Now,i am obliged to go with him and went,along with him for a trip to a holiday resort”.

The Deputy was on horse riding,he was well entertained in the guest houses,and returned back after 3 days,he was looking tired.

No one ever knew why both the Rajah,wants to cover up Nagu escape.

Evening the collector discussed with all zamindars and their representatives about Nagu,and his stealing of plane.He gave orders,to see that he is caught,without damage.

A white steam yacht, long and narrow of beam, was steaming slowly eastward having only half a dozen passengers.

The in-charge is a well known business man of waltair.

Behind them there were men sleeping,covering their faces.The entrance channel managers yacht came near by inspected and left.

From long distance,from his first floor bungalow ,the collector could hear and see that one yacht is not properly inspected.The instructions were not passed properly.

There could be Nagu.

He thought he shall alert his Burmese government immediately.

Same time what he could not see was the aeroplane fell in a very near coastal area,which Nagu had time to observe.His boat the engines were put off.

Then with a jerk the monoplane flattened out and came like a skimming bird to the surface of the water; her engines stopped.

They were heading on the plane to Chennai, and from there to Srilanka.

The Pusapatis of Vizianagaram, the 'Ravus' of Bobbili, 'Varicharlas' of Kurupam, the 'Satrucharlas' of Merangi and the 'aristocrats' of salur were all the exalted Luminaries and multi-facial personalities, who have made considerable changes to the living style of the population under their rule in this area.

There is also one Jeypore zamindari [now in Orissa] which was doing its trade and was well connected to this area..

They had loved and invited the democratic spirit much before the abolition of princely state by the Government Act 1948.

The battle of Bobbili and the battle of Padmanabham are unforgettable and make the area the land of pride and valour. The main fort of Kurupam is in a 26 acres land, with beautiful buildings. This and other buildings are in use for educational purpose by a trust meant to enhance the education learning in the area with many schools and colleges.

The Raja Saheb, renounced his Zamindari without taking any compensation and their fort became the citadel of education which houses one of the oldest colleges (Maharaja College 1879) in India. The social reformer, Gurazada Venkata Apparao [1862–1915], wrote a play on Kanyasulkam from here.

It is about paying money to buy the Bride. Now this system has vanished socially and the Girls were paying Dowry to the bride groom for some time.

Now socially the system is not apparent in public functions. There were other singers who made their name after education from here, as much many personalities who studied here and later became Vice President of India. The main soils in the district are Red soils, Sandy loams and Sandy clay and they constitute 96 % of the total area.

Nagu, came back from cyclone, to pondicherry, and from there to Yanam, and married.

He was blessed with four sons.

His first son was Kapila.

Kapila luckily had his education in Vizianagaram, and Mohan, Satya were in different classes in the same school.

Kapila was always possessive.

While Mohan became doctor, Satya became an Engineer, Kapila did his post graduation.

From childhood Kapila, was a different person. He was intelligent in his plays outside class, but was not good in his mathematics. He was playing his stick plays, small ball, shell plays etc, well with his friends.

He went to his Government job, and was always trying to know easiest ways of getting gold from earth, getting quick money etc.

He found gambling occasionally was giving good money, then his interest turned to shares.

That was his turning point where a politician a Goon, and other gang members asked him to circulate first counter-fit

notes, and then they supplied him fake paper shares for sales. That was in 1990.

That made him immensely rich at the earliest.

He went to Indonesian Islands of Java, from there he went to Vanuatu islands, with an unknown man who have tipped him that they are in advanced stage of developing new technology, and they need his help. That was in 2015.

It was on a fateful night on 14 august, 2019, he saw Satya, at an offshore ship. He saw him and his men were told something. He abducted them took him near the Nuclear power plant at Nagothane. 4 days they questioned him, detained him, and when they had information that their consignment has reached overseas, they started to make them unconscious.

He was left with no option, "except put poisonous Hepatitis E, food for him, but majority of it spilled out and a cat eat it out. While feeling him to be lucky, he opened a door of a box, and became unconscious. Still he is unconscious".

"It could have been better if no one attended him for at least 24 hours, but within an hour, he was shifted, to the recuperation chambers".

He concluded at the meeting of shares and banking. People stared at him, someone said "How dangerous is he, who is he". He is most sought after Engineer in the development of safe cities, and in Forensic investigations, they suspect he saw something before becoming ill, Dr Mohan was another of our classmate, we have to take satya out of his custody at the earliest".

There was pin drop silence, it was by then they are getting messages, "all ATM, in this city are put under alarms". "The

Airports, and computers are on parallel lan systems. The power sub stations are on backup generators, and transport systems are maintained”.

‘Dam it’ said, the chief, ‘we have failed once more, let us depart safely’.

**BOOK TWO**  
**CHAPTER THIRTEEN**  
**Liberties till 1940-The frame**

The last but one Frame before midnight Dr.Raghu could get was about women living conditions in and around 1950.

It is confusing he is slowly coming of his memories,leaving his father and mother.He was thinking of women,Gender equality,technology etc.

He,Dr.Raghu continued to picture the thoughts of Engineer Satya.

He was remembering what his uncle once said when he was 5 years old “By 1944 many countries,and first Newzealnd,gave women equal rights in voting,followed by many others.Asia has broken the ceiling glass,with the establishment and functioning of many democracies,even with its low literacy rates”.By then his father was not even in to the legal department of the Devastanam.

The process of giving liberties,and allowing for voting,have started with the invention of wheel,and melting of iron,in 17 Th century,and by 19 Th century,we came to the principles,of delayed justice is no problem,but innocent shall not be punished.

One of his uncles was a railway magistrate and film censor board member,he was telling in 1955 that, “Asian countries have shown a revolution in acquiring the skill sets in production of goods and technology and have evolved at mass consumption due to the prevalence of high population density and high birth rates.These issues have set a revolution of most modern times of 21 st century”.

He further said India has amended and made many laws for

better living ,”The use of the so called ,Industrial disputes act enacted globally in 1947,minimum wages act of world war-2,Gratuity act of 1932,contract labor [regulation and prohibition]act enacted during new deal,workers compensation,and trade union acts of first world war in year 1926 were in the direction of better democracy”.

How ever none ever answered his question, “why the land alienation bill of 1948 was just pushed through,without establishing how families will fare in such an event”.

His house was full of music instruments,and his uncles and brothers were also doing gymnastics using plenty of tools at house.

The peculiarity was they were still using the knife for shaving,and various assorted knives were kept ready.

The charcoal as available was the cooking medium,but fire from wood was the best medium for cooking.The wood waste stoves were made but not successful.Kerosene availability was not much.

The grinding wheels were made from rock,one in bottom,anchors a pivot,and the top moves around the pivot.

The other was hand held long wooden bally type wood,used to hammer into a drilled hole in a wooden block.From rice other coarse products were made with this instrument.

Satya,has grown under tremendous stress,the food grains were not easily available,milk availability was less,and backyard Buffalo is for who pays the money in advance.Still household electricity was not available.

Hey Satya are you sleeping was what his mother shouted,when he along with his small kerosene lamp,fell into rice water kept for the feeding the cows.

One day the next house girl of 10 years called him,"Let us play in the back side all are playing there".

The moment they went she said "drink this",and started wiping water fallen from his lips with her small skirt ends.

She kissed him "you are my husband and me your wife".

She repeated "it is not always,only today tomorrow you can be with my elder sister".

Satya was on the road with his father one day someone said "this fellow is good in maths,and we will skip him,4 Th class".

Satya was murmuring 'i already left 2 nd class,now again 4 Th class',no one was hearing.

Next Sunday again new set of boys and girls were playing,this time another girl took him away from houses,and kissed him,he is 8 years and the girl is 10 years.

"We are having love today,she removed her underwear,and started removing his small penis,and trying insertion into her small vagina,it did not happen.She went and pissed and said you try any time with me we are love.

In another 3 months her father left the street,and she was not to be seen.

Before completing his 15 years,he completed his 12 class,that is where all the three were class mates for 5 years.

Satya went to become a Engineer,Kapila went to become a scientist,and Mohan went to become a Doctor.

He,Dr.Raghu wrote with confusion ,that may be he is dreaming what his mother and father have told about the society then.

He wrote there are other Nuclear power plant at Nagarhona, and Mumbai flooding are in his mind. There is also one Calvin a diplomat from UN agencies, whom he remembers meeting at Mumbai for its Drainage design and construction.

**BOOK THREE**  
**CHAPTER ONE**  
**2019 August end**

Morning there were at least 100 TV reporters and Journalists asking about one of the UN Diplomat health in Geneva.

The chief of doctors in white clad dress, supposed to be doctor, but not said in low wain, we have examined the causes of all sorts for his sickness, we found no radiation whatsoever happened in Ghana, there was also in Ebola, or Mosquito, infected with Epstein-Barr virus (EBV) and in fact the earlier versions of mothers getting infected and transmitting to children are also out of context issues.

There is no question of AIDS, or cancer or such. However we are keeping him in isolated ICU and assess his condition in ext 48 hours for any possible infection.'

'Thank you all'

Said he and left, some one asked 'who is he,' a biotechnologist, a micro-biologist' replied another reporter.

They all left. That was in 2019 August a month after the incidence.

The family of the UN diplomat also left for the hotel, accompanied by a security personnel.

There was a meeting somewhere in Manhattan. The attendees are all well known social individuals from highly reputable organizations. Some were in the corner of the association, the Surgeon General, and the solicitor general, and the advocate general were sitting. Seen some are the army and navy intelligence chiefs, and their counterparts in medical field.

Most of the staff of the High officers were present.

Their concerns are to be addressed.

A well dressed Max Arnab has started speaking 'Ladies and gentlemen,we have done well through research in to the fall of the blood levels,of the Highest officials of the country'

It was David the Microbiologist 'We like to say first none of our officials are hit with either with radiation,of any type,nor any sort of Ebola,or the Einstein-bar diseases prevalent in the area,and our Highest officers are moved to the ICU,and kept under surveillance for the next 7 days,This i am speaking to take out any wrong thoughts from your minds'.

It was a cross speech from the dais,where David was sharing his information.

Someone asked 'who he is'

The next man said in a low voice 'are you a journalist'

'Yes' said the first,'then you got what you want - information' he continued 'he is the top country microbiologist in all field of comm-unable disease'.

Both started,there were many tables suddenly emptied,all government officials went in a hurry,next some important press people left.

David continued 'Hemoglobin E is largely confined to southeast Asia.

The association between hemoglobin E (HbE) and malaria is less clear than that of hemoglobin S and C.

No association by hemoglobin type was found in the initial parasite density or the proportion parasite negative after 2 days of artemether/lumefantrine treatment'.

He gasped and drank some water and then said,

The resistant to malaria by the people of that region is less,because of the deficient blood hemoglobin'.He concluded.

Several people raised their hands to speak, but the Chairman has proposed vote of thanks and concluded the session.

“We can vaccinate these young children against alpha-gal, many lives might be saved.” Combined with genomics data that are becoming available as plunging DNA-sequencing costs approach the costs of regular medical tests, a health-care revolution is in the works”.

“By understanding the correlations between genome, habits, and disease, as the new devices will facilitate, we will get closer and closer to an era of Precision Medicine, in which disease prevention and treatment is done on the basis of people’s genes, environments, and lifestyles”. Concluded the chairman and left.

One of the correspondents who is with polio was thinking is such a thing possible in near future for him. Polio is a viral disease. There are three types of polio virus and many strains of each type.

The virus enters through the mouth and multiplies in the throat and gastrointestinal tract, then moves into the bloodstream and is carried to the central nervous system where it replicates and destroys the motor neuron cells. Motor neurons control the muscles for swallowing, circulation, respiration, and the trunk, arms, and legs.

While Dr. Raghu was reading the news, the Head came in. ‘Raghu, what is the condition of Satya, and did he speak any thing about the money diamonds, Kapila etc’

Raghu stood, in silence and stunned.

Finally he recomposed himself, and said ‘you knew his name or you knew him’ ‘He is giving frame after frame of a city

using harican lamps,used with kerosene,a hilly region,and a town near sea’.

‘Yes that is our native place,Vizianagram,the hills are near places of kurupam,or Jeypore,the sea you are talking is of Waltair town,if you are still not having any picture of a university from his mind,then he is thinking of his father and mother’

‘Yes sir,it is a marriage and his father mother and other works,and family etc’

The man said,’I am Mohan,i am in-charge of certain medical and forensic investigations,i only got all these machines procured and assembled in 24 hours,we need more out of him,give the antibiotics,and spry Tulsi,or any such you feel,he is also not affected by Radiation,but we need other details’.

“Thanks Raghu,the input of Nagarhonne power plant,Mumbai Drainage design,Mumbai floods and meeting with Calvin at Mumbai,and knowing Zia are very helpful tools”.

He gasped and said you progress the same way and in next 24 hours he will start telling what happened on the 14 th August is there but where he was taken who was with him may come out from him,he may gain consciousness in 36 hours,alert me every hour’.He said and left.

The operation to remove the temporary cover over the damaged reactor building of unit 1 at Mumbai nuclear power plant began in July 2019.But it was in progress as on 14 Th August 2020 night

.

There was someone very closely observing the happenings,who like to know more on operating a small Nuclear power plant.

By 2020 August they have most of the information they wanted on the use of Uranium.Where the Uranium was shunned away.

There was a word “he regained consciousness”,no one ever asked who it is,no one ever imagined,or thought he will go to the Model city .

Dr.Raghu,Dr.Mohan,explored every possible ways of infection,from soils,from virus,from bacteria,from thyroid and from Radiation of any sort,including from soil,mine or from process plants.

They got negative,and Alex was called in.They both talked together,shutting down all lights for almost 4 hours.

They phoned,used their net,got all they wanted.

They started calling M,and X.

It looks a force is ready throughout the planet.

**Meanwhile Raghu** was making the video out of last imaginations of Satya,about a ship,and his career as a Engineer.

**BOOK THREE**  
**CHAPTER TWO**  
**The Ship**

Standing in front of the Arabian sea, The bearded tough man was looking at the so called office he is holding now, not so much of any difference can be made between whatever cabin type offices he held at various sites, from 1992-till date of 2020.

Nothing differed, except that sometimes there is a bathroom, some times, there is a fridge, and many times, air conditioning is made depending on the availability of a generator.

The day is August 13 Th 2020

This is a place from where he has to contact many cities in world over radio, now he have video conference. There is a room for conferences for about 8 persons. It had hanging charts on to the sides of the walls.

This could be what 'Alistair Maclean' describes as his office, in 1965, in "fear is the key" novel.

Things continue to be same, when marine works are to be done.

He did use the same type offices while doing steel or cement plants, the construction works were done in the same way, except that you have vastness of sea in front of you..

It was few days before, he was in the proceedings of an investigation, where some buildings have cracked, their foundations have gone about half meter inside the made up ground.

In his earlier contracts he was assisted by friends such as Krishna.

His contract was penalized, and he was to explain losses to the company board of directors.

Well the investigative team has not given a good certificate to the Chief Engineers and the Design Engineers like Barve and Tarakeswara Rao.

They had put in their papers after seeing few proceedings.

Krishna was telling Satya many times, “why are you choosing these bloody marine works which are in clayey soils, in silts and marshy lands, and the works are tardy”.

“Satya said, I have nothing else when I started working, and now I am continuing same things”.

The marine consultant Howard was telling “The east coast of India is different, but to some extent you can compare parts to Kutch area of Gujarat in the west coast. After the Kalinga war somewhere in the 4<sup>th</sup> century B.C.E, the Buddhist monk, Nagarjuna, and others have tried to carry forward the prophecies of the Lord Buddha, to the East Coast of India”.

‘These people made lots of settlements, starting from the Konark temple on the north of Bay of Bengal to the Southern parts of the Eastern Ghats’.

‘However there are no historical documents to show how, and why these settlements have vanished, and was it indeed the result of the Tsunamis, or the result of the devastating cyclones’.

He could have worked with several consultants and may be with Holtec also.

One day he heard Krishna asking a Dockyard chief “why there are no tell tale marks anywhere” of the devastations that could have rocked the area..

The chief said “There is a clear understanding that between 9<sup>th</sup> century AD, to 11<sup>th</sup> century the Bay of Bengal served as

a bridge for the transfer of the culture and the Religion to the far Asia, and Far east”.

Thus the message about the non survival of the massive port structures, in the region is a question unanswered. The clear indication is the salt lake and river formation in the hinter land, which is so marshy. This is the indication where and how the effects of swells of sea were accommodated.

That was where he did his earlier marine works starting from 1970 after his graduation.

The French, and then the British found some unimaginable natural obstructions, and have made an inner port at Waltair, the city that was developed, was adjoining the bay with stone masonry structures to stand the vagaries of the nature.

The continuation of accommodating the medium sized vessels into the protected port was by excavation of the rocky entrance channel.

The development of a stock pile for export of iron ore was accomplished by filling some more inland salt lake areas, following the civilization requirements in the 1970.

Thus huge back water areas were filled to meet the developmental requirements.

This has resulted in the salt water lakes area reduction, plus the mangrove forest areas have fallen below the protective level to the inner land.

In the swampy areas when development is proposed by the engineering consultants, they advise the developers, ”not to be vindictive about the Engineers and contractors, as the soil behavior is not based on small area they foresee, but depends on a vast stretch of thousand of acres of land behaves slowly, but alarmingly, in an unusual manner”.

Thus an upheaval gives,negative skin friction,on foundations of nearby structures,resulting in unpredictable failures.

With such a back ground the building no-17 foundations,of the Naval Project,assisted by the Russians,has started to show the failures in 1970 it self.

The last bills,including the claims went to a toss,with the authorities depriving the construction people of their pension benefits.These were latter cleared and pension was granted for the higher up.

The company where Satya was working has lost substantial amount,to make up such a money,the owners sold out the company.With less options at Hand he went to Ethiopia,and after coming back he started his career,again in the same company at New Mumbai,in 1992, that too for the Uran,BPCL, gas bottling plant.

It took him more than 20 years to gain Engineering experience,and Understand the importance of Forensic science into the Geotechnical engineering.

He got the answers,he attended the Arbitration proceedings,guided the Lawyers,and won the case,with the deficiencies in the project conceptualization,and implementation.He had the catch.The couples were detected. Thus this project manager has become a director in the newly set up company.

At Uran,two hotten spheres,which have to store gas at an elevated level,were built on stabilized marine soils.

He was living in a place where there was no night,it was red hot burning stoves about two Km away,where the gas was processed and supplied for industries.

Krishna and Lalita were always reluctant to stay at Uran.  
“The toilets were low built,the septic tank was floating the night soil whenever it rained,there was deficiency in the concept of living.

The owner disagreed to elevate the tank,and the toilet,thus making him to choose alternate ways.  
When he found his clients and the other contractor fumbled on wrong soil stabilization systems,he has no say”.  
His staff sold some scrap,and some steel at site.  
The reasons quoted for not settlement of his claims was that the pilferage.

They heard their engineering manager saying,‘The actual was the non commissioning of the plant for two years because they have to detach the hotten sphere which has settled.They tested and started using the other for full load after two years’.

He thought of the systems adopted for that project, “The soil stabilization for marine foundations were done by using the system of driving a cylindrical column,and then placing different sizes of stones in the column.  
While the driven casing is withdrawn the stone thus flows outward and fill the voids.  
With that he was attending the court proceeding of the above two projects”.

“The fact is that there were no camera systems nor the sensors to confirm about the attainment of consolidation,the system looked false and fabricated”.  
Many of such foundations have led him to understand the Failure,while assisting the designers and the Public enquiry officials,he has learnt the art of understanding the Forensic Engineering.  
Today he is in Mumbai for the offshore works. Of Oil and

Gas Industry.

In fact after the completion of the Nagarhonne Nuclear project,he came back in 2018 July to this work,Rostov was an asset to him at Nagarhonne NPP.

Messages were coming, 'Landfall to Vega' and someone replying 'Vega to landfall' and 'coast is clear'.

They are waiting for anchor handling barge to come and pick the anchors,and lay them for next station.

Mid august the night is so fearful,with black clouds falling on to the barge.

There is no respite from rain.The tides in this region are different,From May month onwards the tides increase.

There is normally 2.2M,tide difference between January and May.It was a peculiar situation in Gujarat,Gulf areas,where the seasonal tide variations were 7 M order.

On the evening of full moon days the tide increases,while early morning the tide drops by not less than 2 Meters.Well his Geography teacher did teach tidal variations,and the rotation of earth around sun.

Works needs to be done in high tide,so that the vessels and boats,have sufficient water for floating.

There was thunder and storms,but above them is the noise of winds passing on the sea surface and creating hovering sound,that was breaking the ear drums.

The surf on sea water is so heavy it is impossible to see the surface water.

The winds and tides are blowing across the sea shore.People were not accustomed to stay in the sort of atmosphere in the nights.

There are drinks stuffed across the hidden shelves of the

cabin.

Some of the ship crew prefer to bring women, mostly prostitutes for entertainment for few days on to the ship.

The barge with 200 ton crane is as big as 30 M length and 20M wide, has a batching plant a concrete pump, and huge stock of stone, cement and sand in stockpile.

However there is another floating platform, which is operated hydraulically working side by side the vega barge which does the pipe laying.

The sequences of pipe laying are very calculative, and technical.

A small negligence will cost in making of a defect and arranging all barges to rectify the defect. That will be more than double the actual cost.

Marine workers are mostly skilled as good swimmers, the marine works also needs always good divers, to find any or other underground obstructions.

The safety of laying equipment, making tie-in between laid sections of pipe lines and interconnection of all associated works such as pressure and temperature gauges, flow meters, Motor operated heavy duty valves is a intricate sea work..

Divers are used to see the foundations, and check the obstructions. They have to use appropriate tools to remove any obstructions in place.

Where divers have to go deeper, they generally rest of around 5 to 10 minutes for each of 10 feet of depth is a necessity to avoid water pressure on body.

Generally decompression chambers are in place in big ships, so that the pressure of underwater on body is slowly released and the lungs start taking normally oxygen when divers are outside of the water.

Good looking,hand some girls always prefer marine works men starting from Captain downwards,for whatever reason,but generally because of their physique and earnings. It could also be because they can live longer without male counterparts when they are away on works,or on ship. A nautical mile in air for a plane is about 1.1 times horizontal distance or 1.1 miles.

But in sea for a ship a nautical mile is about 1.2 times a mile because of waves. The harbors shall be sufficiently deep to accommodate the draught weight (DWT) of loaded ships. Ships when empty are filled with water to keep them balanced. When loads are placed the water from these tanks is drained out in equal amount. Sometimes such ships are called Barges.

As a forensic engineer he “looks at the set of rules that are framed for 1.tenders and 2.project execution works, to keep the disclosure on the capacity of the tenderer in terms of financial and technical capacity, with their ongoing and on hand projects.

It is a preference that it be assessed by independent consultant, after verification with the bankers and present clients”.

Krishna asked Satya in 2001, “why are you trying to learn about the forensic engineering”

Satya said “There is nothing new to learn it is application,it is to know how we worked,and how we could have avoided defects’,and said ‘this field include investigation of bridge failures such as the Tay rail bridge disaster of 1879 and the Dee bridge disaster of 1847’.

‘Many early rail accidents pioneered the use of tensile testing

of samples and fractography of failed components’.

“Lawsuits in the late 1900s have necessitated to know what tests we have avoided on materials before incorporation in works, that makes the use of forensic engineering as a means to determine culpability in the courts’.

“As in the DNA sequencing it is to avoid exonerating the innocent, the lawyer’s double duty in many of the stories, where the dual role serves no other purpose than to streamline the plot”.

‘The frequency of lawyer-detectives in the years before 1890 testifies to the need for use of forensics’.

Satya said, “i read more of detective stories of Sherlock Holmes, Perry Mason, and other detectives. These books in the course of describing crimes, criminals, and their capture, try to capture the leads”. “American courts were mentioning Sherlock Holmes, in that century as a systematic attempt to capture the culprit”.

One day Rostov was telling in 2015, while they were at NPP, “Satya sir, you said many times that structural engineering has existed since humans first started to construct their own structures”.

Satya started explaining “Till the late 19th century, the architect and the structural engineer were usually one and the same and was called the master builder”.

‘Only with the development of specialized knowledge of structural theories that emerged during the 19th and early 20th centuries did the professional structural engineer come into existence’.

‘The period 2000-2010 has also seen high pressure boring machines of large diameters for the piling, which were called

piling rigs’.

“These machines are mounted on big Flat top barges, with proper anchors, and are position in the sea or the tidal variation zones, and piling for the jetties near shore are carried over. Over years precasting has taken over construction process and pre-stressing systems available, which are helping to precast even the pile caps beams and other major elements of the Jetties and Dolphins’. This has been possible because of huge and sometimes mobile batching plants. And trans-shipment to location places in the surfing zones of sea with the aid of huge tyre and or crawler mounted cranes’.

‘Availability of static jib cranes or tower cranes which are used extensively in these works is also helping to achieve speed in the works. Dumb or flat top barges is also been an added advantage’.

Then someone said “You remember the full moon day when,the Ship meant for dredging,was beached because the ship pilot lost control on that night,and was heavily drunk”. Satya said, “it is not once but twice,what you were telling happened near our works in 1989 at Surat,another happened at Kakinada [Amalapuram] in 1993,when the captain has allowed the work-men to get girls on board to entertain them,the lay barge has beached,making the team to lose not less than a week of the season.

The present day medicine is a result of X-ray developed and used,by Professor Compton who had won the Nobel Prize on scattering of X-rays.

The engineers and scientists,and the Doctors all have started using the X ray,or Gamma Ray,to find the materials quality,welding quality etc.

Well with this we are into the forensic’.

Satya started telling his engineers in 2019 at Mumbai high, “Look at the innovations,it was the Compton Effect for X-rays,that has made the modern engineering and medicine possible”.

“Raman thought that it must also be true for light. Raman detected some new lines in the spectrum which were later called ‘Raman Lines’.

After a few months, Raman put forward his discovery of ‘Raman Effect’ in a meeting of scientists at Bangalore on March 16, 1928, for which he won the Nobel Prize in Physics in 1930.

‘The ‘Raman Effect’ is considered very significant in analyzing the molecular structure of chemical compounds.

After a decade of its discovery, the structure of about 2000 compounds had been studied.

Thanks to the invention of the laser, the ‘Raman Effect’ has proved to be a very useful tool for scientists’.

‘In fact the advancement of science in X-ray,and in scanning has led to human development in disease recognition,and has helped engineers to make complicated works of radiation a possibility’.

They also share common use of spectroscopy (infrared, ultraviolet, and nuclear magnetic resonance) to examine critical evidence. Radiography using X-rays is very useful in examining welding for high pressure products and for human safety.

Some of the sample select pieces are subjected to destructive examination is before product fitness is arrived at.

However, a simple hand lens may reveal the cause of a particular problem like rolling margins,fine surfaces ,finess of sand blasting and many more.

Evidence which can be inferred with scientific reasoning is sometimes an important factor in reconstructing the sequence of events in an accident'.

For example, when fire is broke in a street where there are gas supply,the immediate is to shut off valves at many places in the area.Then activate the Fire Hydrant system,call firefighters.View of tell tale marks will tell how and why the fire broke out.

A trace of movement of the ladder during a slip away, may show how the accident occurred.

When a product fails for no obvious reason, Energy-dispersive X ray spectroscopy (EDX) performed in the microscope can reveal the presence of aggressive chemicals that have left traces on the fracture or adjacent surfaces.

Courts composed to resolve disputes how ever forget that they need the assistance of Engineers as much as Doctors and Journalists.When asked for a re-view,the e Forensic Engineer is remembered.

Many countries are still not made up to recognize engineers as specialist and hence they go to the Government appointed engineers with lack of skills,and sometimes to the teaching faculty who cannot substantiate the arguments.

So what is so important about a trial? A trial is a public forum where the opposing parties in a dispute confront one another, and attempt to convince a court of the rectitude of their own case.

It is often the first time when others are present to order and marshall all the evidence in a systematic and fair way .The forensic engineer plays a key role in marshalling the evidence, both the real evidence and the documentary evidence.

Quality control records,Testing records,Models and

prototypes, Specifications, maps drawings etc and all concerned give the deficiency at which the work is completed..

Such documents assume great importance as a trial approaches, the background, key details about the product in question.

Nearshore zone where wave water comes onto the beach is the surf zone.

The water in the surf zone, or breaker zone, is shallow, usually between 5M and 10M. With the available modern marine fleet and equipment including the latest technology in pipe layers and a Derrick Lay Barge (DLB), is capable to perform a wide range of offshore construction and maintenance operations on surface and sub-sea for the oil and gas industry.

Marine operation includes work on platforms and pipes transportation, structures installation and commissioning, pipe-laying, cable-laying, tie-in and hydro testing. The fleet includes various work boats, support vessels, boats and flat barges.

Seamless, ERW, and submerged arc-welded (SAW) steel pipe are commercially available and most commonly used in pipeline systems.

Seamless pipe is seldom used in pipeline applications because of the higher unit cost and limited availability.

The acquisition of private and public lands to have a Right Of Way [ROW] and obtaining permits is a major process for pipeline .

Permits are also required to install pipelines across public highways, roads, streets. The permits must be acquired from the federal, state, or local authority.

Design requirements for pipe installed across the highways, roads, streets, and railroads

Cathodic protection of steel pipe is buried below ground has to be done.

Steel pipe becomes an anode (positively charged) and transfers material, by means of electrons, to the cathode which is negatively charged, and is in the soil.

The pipe metal literally flows away by means of the electric current between the anode and cathode. Water serves as the electrolyte to help promote the electron transfer.

The cathodic protection system reverses the electrolytic conduction process. Sacrificial-anode systems are simpler and less expensive than impressed current systems.

Onshore pipelines generally use magnesium, and offshore pipelines use zinc or aluminum anodes.

Hydrostatic testing has long been used to determine and verify pipeline integrity, the use of loss of pressure and Bernoulli's theorem are employed to check the pressure losses. Sometimes calibrated pressure gauges help to record the actual pressure versus the design.

Piping and instrumentation (P&I) diagrams are a necessity. Jack-Up Barge can provide you with two types of Self-Elevating Platforms: modular Jack-Ups and mono hull and are used more to check the piling, floatation of pipe etc. If the pipe is not coated with sufficient weights then it will start floating in water and create a hazard.

He said, "the work is unfolding, the systems are enormous, and it is each day learning as you progress".

It was on 14 Th August 2020,night he and his colleagues were doing hydro testing with one barge,and Cathode connections with another barge.

They were all abducted,briefly he gained consciousness,but could not make out what is happening.

He has vivid memory that it is Nagarthone NPP,they were not in containment area,nor near intake nor exit water area.

They were near process area,and the man next to him was Calvin,along with many of his work men.

The area has seen huge flooding because of cloud burst,and subsequent wave action,and high tides of the full moon days.

He and Calvin, both recognized each,but could not talk,and in front of them was Kapila,who was asking them not to disclose about the actual quantity of Uranium missing.

He and his men slipped into unconscious condition,they could not think of seeing Calvin again.

It was Amrith and Shakeer who left them near the shores of Dubai,after two days.

The small floating boat was stopped near Greece and someone has taken them to a hospital,where Mr.M,and Mr.X were having meetings on that fateful night.

The identification and shifting to London was done in a span of 8 hours.

## **BOOK THREE**

### **CHAPTER THREE**

#### **Cities**

**It was** an invited symposium with people across world,spanning from April 2018,to 2020 August.

In the series,the First was Held at Nairobi,Followed by the one at Vanuatu island,the third was held in Delhi in July.This is the Fourth at Colombo,Srilanka.

There were sociologists,urban landscape developers,economy decision makers,a few Engineers,but more from the multilateral agencies,some are from social web sites,and may be broadband providers.

It is an extension of these meetings,with nothing specific,and is held in September 12 -15<sup>th</sup>.

Earlier the living of people were near water bodies,when they expanded they started using water to make metals,use animal fodder,and slowly learns irrigation.

More of unification came from either the conquerors or the migrants.They were the one who innovated and sometimes improved into the existing patterns of making houses,and treating or filtering water.

The conquest used to leave a legacy which is intended to be spread to corners of each land.

Earlier migrations were to find land for new ways of living.The historic migrations were to fetch or trade the ingredients for making better food.In their journey the criminals and migrants entered new places which were full of riches of gold and diamonds.

Copper and bronze were prominently used to drive many microbes,where the cultures,have social customs and understood the biology and inhabit needs .

But with world under copy,and a city needed to replicate the other in showing the richness of living has made innovation a dead end.There are needs for more research,and a search for better quality life.

The Urban spaces have slowly vanished,concrete buildings,with more bituminous roads either reflecting the sunlight or absorbing the same have become a sight of any given city.

Where sunlight is to be used to make power there the roof gardens have sprung to meet the food demands.

There is still no thought on making buildings to last for 200 years and avoid gentrification.

Edwards,and Irwin,who were managing to interpolate the data from a dozen developing countries,were also the managers of one of the sessions.

They were experts on land use and sending the spatial records to several corners of the globe.Their first targets are to assess poverty and Hunger,their second were health and education.

They started touring the cultural heritage places,and understand the human needs.

In general terms this party is assisted by Jackie,who was the wife of the present V.P.They had Calvin who was guiding the whole proceedings.

Jackie has an edge over others with her reach to many sections of people around the world.

She went and talked with the people in Kenya,Ethiopia,India,Srilanka,and such many countries.She saw the crisis prevailing on working days at the transport terminals.She saw the extentent of subsidies mooted out to students and workmen on transport systems.She was not sure why the cheap economical and ecological tram systems have been done away in these parts of world.

The electric vehicles are well designed so as to optimize the use,even the motor cycles are trimmed.Their use have to be encouraged.The Airports have said no to expansions,and asked the three aircraft making companies to restrict the making of buses from 50 seaters to 350 seaters only.The use of helium balloons to avoid air accidents have come in a better way for safety.

She says the human living is classified for the convenience of the upper strata,and their supporters.The sufferings in Urban slums are known factors,but the slums are continuously expanded to keep a vote bank tidy and ready.

Calvin has readied the recommendations of his advisory group on how to make the sustainable,ecological cities.

There is Ratna,and Dinesh using the data from a dozen countries which are well developed,they are to manage another session.

Their concern is to address,how money can be used for better cities.They went on analyzing the American and European developed cities.Dinesh added a dimension to it by obtaining a report from Australia and Auckland.

On her way to the meetings she was meeting Jackie and Sari at many cities.When in Hyderabad city in India they stayed in Taj hotels.They bathed together,they were having steam

room warm together.They together went to the Gym and a body message centre.

Jackie saw the slim body of Ratna,and more or less a small chest.She asked what happened.Ratna said it was like that,when my first child was born i used the pumps to extract milk.For the second i bought a pump because i found milk is coming but they were not growing.

Jackie said Ratna here the message is done by men of different class will you do it for me.Ratna said if you do it for me yes.

They both agreed.It took the application of several fluids oils chandan powder and fuller earth application for each not less than a hour.

While she was near between the thighs Jackie felt Ratna is soft there.She took time to apply fluids and sooth.Ratna was very calm and spread her legs wide and closed her eyes.She looked comfortable and relaxed.

It was Ratna who was applying the chandan on the body of Jackie when she found the softness of the breasts of the Jackie she is some where in heaven closed her eyes.Ratna felt her nipples hardening while several oils were brushed on the breast.

Finally when they bathed and dressed,both hugged each and kissed.It was momentous and lovely.

We will repeat this when we get next time,both murmured.

They saw in Hyderabad,the salarjung Museum,Charminar Golconda fort and the Hawamahal.

A well planned city has come to a dead end in 500 years,that is what both felt.

The third party comprises of Ishar,and Mohemmed who are manning almost all other countries Data.

Their concerns are to address the transport in relation to industries their employment needs their workers living and

requirement of education for workers managers and educational systems for the wards of the employees in a city scape.

There are no vacant places for entertainments,there are no places to construct new platforms.The existing gyms are out dated and so the stadiums.The educational systems have no meeting halls forget about out door or indoor games playing facilities.

They were making a report on what how and where,with a concern for finance wealth and avoiding gentrification.The value lost for families will never come back.These are migrants who has once lost their lands heritage culture and finally their richness.

For them their richness is in trying to educate their wards.

They were in Bahrain,a well developed country a home for many merchant of Gulf countries.They had also Sundanese ,Turkish,Iranian,and the Russian women who does a good belly dance.

Good airports,handling rail transport from city to airport and industrial areas are planned and not completed.

This desert has plenty of land unlike in Peshawar and Karachi of Pakistan.Teharan and Ankara were peculiar cities needing a massive rebuilding and rehabilitation.

The need is to plan modest speed trains,and keep the track in condition during all storms.Now seasonal rains have become a part of life in these parts of globe.The Baharin civil servant took them to a massive hotel,were their royal treatment started and lasted for next 2 days.None of the massive built Sundanese girls,the eager protruding blue eyes of Saudi Arabian girls along with the Russian dancers were always there with them.

They wrote flights form  
Mumbai ,Karachi,Philippine,Chennai,srilanka,come on  
Saturday morning form 4 Am to 9 AM.All other

neighboring city traffic comes after 3 pm till mid night. The workers stay in camps during the week, and from Thursday 1 .00 PM onwards the flights take off. Some Management workers leave on Wednesday night itself.

They enjoyed but still made their report.

The women who gave company day and night told them their ancestors are not definitely from Africa.

Ishar and Mehmo had nice assistants, they were not knowing who is tampering their reports, who has paid for their cozy relationship with

The fourth party comprises of Bethink, and Sari, along with associates, who are into smart or Sustainable city, architecture, design, desirability etc.

They along with their group have seen the way the transport, power and education are subsidized for the deprived communities in urban settings.

They were skeptical of the open spaces not covering at least 20% of the population needs in each of the regions of any city.

The Gymnasium, the play grounds, parks, entertainment places, Zoo, stadiums, theaters, eating places, marriage halls, religious places etc. in totality shall accommodate 20% of the population of any zone in the city. This plan was missing.

They could also see the plan of action missing imaging at least 50% of residents of any particular area having cars, have to move in or out of the zone in just 2 hours time.

Car parking train movement for population evacuation and retention are not done by the planners. The planning for water system, storm water drainage and electricity are never done taking load as a factor.

Sari of the fourth party has suddenly started feeling the loneliness, because her children have done their marriages even without informing her. She got a message from one of the neighbors son who was a classmate to her son. The fourth party comprises of Bethink, and Sari, along with associates, who are into smart or Sustainable city, architecture, design, desirability etc.

Bethink is keen on shaping new cities. He had studied the problems of Invaders for Delhi and its developments. He studied Paris developmental mile stones. The industrial revolution its effects on London and its population increases. For Bethink it is pure land availability, grid formation for services. Viable transport systems in terms of time cost and safety. He knew he is near to solutions because of new technologies.

The discussions started. One of the interactive session audience asked how do we understand urban phenomena.

The second was asking why money flows for manufacturing, salaried people are so high, which are creating VIP, culture in housing and dismantling the Heritage of Combined families. This is analyzed by Mary and Steward, who are the fifth party to sum up the data.

There were 500 cities of around 0.1 to 0.5 million population which are taken up for fast development during last two years as model cities which are nearing completion, throughout the world.

There were 100 cities of 1 to 5 million populated cities, which are considered as safe cities during last 3 years, will be completed in next one year.

The fifth party is at an unknown location, in Canada, and Australia, split into two groups headed by Mary, and steward, who change locations, and monitor the money flows, across, banks, financial institutions and the ATM, located across.

Mary started addressing people ,We have conceptualized that urbanization is a process where the human needs are better fulfilled.The right to city and cities for all is the single word we use.But at the same time we wish to preserve the socio cultural framework,by adding marketplaces theaters,Gymnasiums and the theaters.

We look for Governance development of institutions.

The ecology,climate air,transport,housing and the technology are important.

Steward said Ecological cities numbering 10 cities planned last year with populations of 1 million during one year will be over in an year.These are the cities which have become centers of attraction for all.

Spread on an area of around 50 to 100 sq.km,these cities are planned with three tier transport system.In the internal radius there are only metro,and 6 lane vehicle transport systems.

Every crossing is by way of lifts and moving flat escalators.There are helipads for landing and takeoff at inner radius of 2KM.The second ring road is at 5 to 6 km radius,this contains three layer transport systems of outgoing railways,bus terminus,and 6 lane vehicle transport and metro all in 3 tier.

The exterior consists of two layer rail lines which goes out of city to four corners and gets segregated to meet passenger destinations.Here the bus terminus,and electric vehicle

chargers, and more convenient cars are allowed to traverse the city.

The parking for small cars, and big cars is in umpteen numbers, based on requirements.

The flying vehicle concept developed is taken in to account on all for corners of city, while near places new helicopter services for transporting 20 to 30 passengers is developed. Near by places have small planes with 4 to 30 passenger travel run ways which can be charted as needed.

The air is fresh the production systems at any given point is at least 15 km away from the city center.

New developments beyond 10 km, market yards is prohibited.

These ecological cities spread across all 5 continents, have independent waste disposal through blown up hot gases in a pipeline, where all wet waste is converted to dry waste and taken to multiple dump yards. Water and waste water treatment are done at multiple locations.

Bethany made a power point presentation on laying Under ground water, electric lines, telephones and other utility systems, are created with parallel pipelines of many diameters to sustain the energy drops. The energy is from uranium plants, the construction is totally with precast composite products having less than 20% cement and 10% steel, which in turn contributes to 50% reduction in these materials used in construction.

The roads are made with a mixture of plastic and cement thus reducing the heat absorption or heat radiation.

The buildings are expected to last for 200 years.

Sari talked about recent earth quakes of Peru, Mexico, Khatmandu, and Haiti. She said structures need to

be designed to withstand Earthquakes and engineering is getting modified as per nature for with standing at least 10 hours at a speed of 200 km of gale winds in case of storm surge.

The places of construction is one in Europe, one in Asia, one in China, one in Cook Islands, one in Vanuatu Islands. That is it Vanuatu is the place lots of hidden research happening.

The party comprises of Mahummed and Ishar started explaining to the team about forensics and its uses, "to tell you a real story 'On Dec. 4, 1872, There was ship by name 'Mary Celeste' which was on sail. It was discovered between the Azores and Portugal, the crew vanished without a trace of a struggle, the ship was fully provisioned. What calamity fell on the ship was not known. A log entry, on Nov. 24, showed no details'. But an insurance claim was made and police showed up at the captain's door in Boston three months later'.

'The Mary Celeste, was a 282-ton, fully-rigged insurance scam. The owner was called to the stand. He was a Boston bottler and has revealed they were moldy blanks with Bass labels pasted to them, and filled with "sullage".' .The owner was framed and sentenced, along with ship captain.'

Edwards said "while i may not be able to give you examples here, but on ground you will notice

[1] Asians in many countries still prefer less than 10 storey buildings

[2] If good locality buildings are given to upgrade the Urban slum dwellers, and if the location of such can be among the middle class then there are and will be increases in crime rates in the area.

[3]the adjoining middle class sells the houses to these dwellers, and in long time the dwellers sell them, and again move to slum area .

He started talking about his research and said that, ‘The other day I had put two brand new blankets in the washing machine. I found the tub is still not full, so I took two used but, very white Turkish towels, along with the blankets. The current or the electricity in between went away. When the [Power] current came back, the washing machine performed excess washing. When the spin was over, while drying the cloth, I found the white towels, turned grey. Nothing changed for the blankets they were washed well”.

“I know the addition of new colour because I had seen it as white, for any other it looks as though the original colour it self is Grey. There are at least two principles in this, any changes in the trained can be grasped by the organization, which is in to same business”.

“There are people who will say we want the sheen to be washed off, and that is why mixing is better. But ‘are they sure that the sheen from the brand new one is to be washed off’, or ‘do they want the old one to look like the new one’.

There lies the perception, and then the performance”.

“When you find a chamber or a work place is not full, do not send different people for this work, who do not mix in to it, the result could be devastating. The key to success is in recognizing the fact that some people tend to lose their originality, while others may attain it for their betterment”.

He went on with his argument, “The earlier years, we have small windows made of wood, and opening inside, room doors were made with wood, opening inside.

The Parlin and truss arrangement gave to the Reinforced concrete ceilings,as much the wooden windows,open now to out side and are replaced with either the Iron,or Aluminum.

The doors went on modifying to bear the glass,thus allowing more ventilation ,but simultaneously more heat or cold creeps in.In such a scene the heating or air conditioning energy consumption is becoming more”.

“The top floor needs to stand the vagaries,of nature in terms of a rigid structure,and strength attainment because the concrete has such a property,and as well losses its strength after a period of inertia.

Thus an estimated 40 years of life is that of the concrete rigid buildings.With that back ground should we imagine these rigid structures are to be repaired,and salvaged at a latter period.If this is true then we have to go for other systems of construction,to meet the future needs of the society”.

“In the good olden societies,the residential building construction is individual,and only such of the public buildings were of the common property.

The abounded buildings were hitherto not a problem.But with modernization of infrastructure,includes city transport,sanitation etc,the problem for the neighbor hood is a social concern”.

“He added in his conclusion,the Forensic Engineering,also establishes the reasons behind failure of structure,and the reasons behind litigation,and arbitration of huge amounts in contracts,i wish to know,why we are recommending such reinforced concrete structures,multi-floor heights,when the assumed life is hardly 50 years,while the masonry stone structures stood almost 700 years with arches,such as

Golconda palace of Hyderabad”.

“Giving a life of 70-80 years for housing shall enhance the lives of at-least two generations.”

Ishar started explaining “We have given our time to understanding the laws in place, the laws, developed over years for the society, in the field of contracts, infrastructure, and civil society.

I also wish to understand the development of alternatives for cement and steel, which are another big source of Greenhouse gases. I have understood that around 25 states of USA are earthquake bound, and that Timber structures, dwelling units create, less burden to the land there, and sophistication in these aspects also will be learnt by me”.

Concluding he said “May be by 2050, major breakthrough will be flying short distances, in around cities, and to adjoining cities. This breakthrough might change the usage and living patterns. Rendering long travel roads a thing of past, and so also congestion in city traffic, a thing never heard of”.

“This could be breakthrough in technologies, making the green house gases emissions a thing of past. People may find a better way to have their oxygen, as was available with less population in centuries earlier”.

Dinesh started explaining “In in market oriented economy, taking time as a factor, we need keep our supply lines open. Do not foreclose the costs? Sometimes we need to pay more to keep ourselves moving. If market costs are to be kept open, how can infrastructure prosper, because the requirement is either a contractor or a developer, shall have 20% plus expenses as equity by his company, and the rest may be

financed depending on the terms set by the client’.

Then he said ‘the contracting systems cannot change much,unless technology improves,and unless the laws are changed’.

‘The owner decides to delete the work from the contractor,and obtain direct guarantee,from the other sub-contractor.In the process several items gets deleted from the main contractor,who runs his works with men and machinery.The sole depending criteria being his ability to monitor and pump money as needed’.

‘The big might be dependable. I was wondering in one of the Reliance and other Departmental stores , how they are able to maintain the logistics and supply chain management. ‘When we are into construction we need to organize, our logistics, our supply chain management, as we do for our lunch, in our daily life, or as we stack materials item wise in a superstore.The construction also went on progressing from a miscellaneous product,to a partially organized state of engineering’.

‘Remember ,we can not have a logic or formula about the movement of men and manpower,to each project.There is no way to say when materials such as form work,reinforcing steel,will be 100% used,in a given 30 days period,after delivery.Similar is with such materials as marble stones,doors,fixtures,and plumbing works’.

‘If we see the historical background of construction,we find few constructions were done for public,such as **temples or gardens**,by the civilized world up to 16 Th century.The invention of wheel,the melting of Iron,have brought many changes in living,which were a disadvantage for many

people,who were living on river banks,with their known systems of water supply,farming,and drainage systems’.

‘Yes it is true that the civilizations concentrated more on water supply,drainage,and farming.Travel was through known ways and routes,because the use of a chronometer,or a navigable instrument was not found with general public,and city dispersal was in small maps,lying with the kings,or the traders’.

‘When I wanted to buy some window and door curtains for my house, I went to as many cloth stores as possible, like I travel to get my daily use food articles from a small conventional stores, which is called a ‘kirana’ [Groceries] stores in India. Every time I went to the ‘Kirana’ stores I could not buy all items I wanted. Sometimes, cool drinks, sometimes soaps, and sometimes, other food items were forgotten’.

‘So was my visit to the cloth stores resembled that of the ‘Kirana’ stores. Then I decided to see the exclusive Drapes, or curtain stores. The result was sound. I not only got what I wanted but also, found some interesting new varieties. So my marketing was successful’.

He further went on adding,as much we need technology to be transferred for betterment,that much we need ,to train local man power,and facilitate migration of workers,so that the mixed work force acts as a cushion for development.

Ratna said “We will learn about the culture,heritage less,but more about the old civilizations,and more about the present day constructions and contracting systems.We shall also learn about their legal systems,so that we can foresee what forensic engineering does mean to them’.

Dinesh continued,'we also will learn a little anthropology,and testing and retrofit of the old structures."

'As much as we get to know about printing a book conventionally,in year 2000,look at all spellings,then format,and the printer makes a negative,and prints 1000 copies,in such a way he gets the pages in order,when the big sheet is folded and cut for binding.Generally each side of a sheet carries eight pages of 8"x5" size.This is his profession where he knows his binding technique'.

'When ever i went to a tailor,i was not sure how he manged the extra lengths,for making pockets for a pant.Similar is that of a shoe man how he cuts the pattern'.

'But i am aware i cut enveloping curves,when i need to make a concrete waffle slab,which serves as a dummy for slab shuttering.I make a negative and a positive out of this,and every day each mould gives me around 3 nos in a safe setting atmosphere for cement'.

'When to make a spiral curve for stairs,i use brick work as dummy.I use,very thin ply to make hoppers,and where necessary to join them to silos,or make chimneys with reducing diameters,with the techniques listed above'.

'Reasoning and instinct are necessary tools for a society under change'.

"By 19 Th century we came closer with invention of aircraft,modern system of policing,time tested laws creation and adoption.

But many of these things have changed in the 20 Th century,with high use of internet and mobile technology.

No more the concentration is on the construction industry,while the agencies and Governments are clinging to

infrastructure development’.

‘My friend’s dog was most human friendly. One day we found the dog was moving erratically, and it was tearing clothes, and biting every thing available in reach. It was in fact trying to bite the humans also.

We said take her to her doctor, she must be having dental problem. My friend himself had the teething problem, and delayed by two days.

Third day he found it had bitten his own daughter. He took the dog to the doctor, who treated her for the decayed teeth. So dogs also have similar problems as humans, it is common sense’.

Ratna made her summery,training,human development,technology innovation is the criteria for this area.A little more of fuel capacity,a little more of basic industries,and continuing with the same production of steel,and cement by changing process technology will be better for future.So that the green house gases can be halved,shall make the area,flourish with more green,vegetation.

Finally the spatial took over the afternoon proceedings and started explaining,with Ishar as in-charge,“The Earth crust is only about 3-5 miles (8 kilometers) thick under the oceans(oceanic crust) and about 25 miles (32 kilometers) thick under the continents.The crust of the Earth is broken into many pieces and they are called as plates. The plates "float" on the soft, plastic mantle which is located below the crust. These plates usually move along smoothly but sometimes they stick and build up pressure.

The pressure builds and the rock bends until it snaps. When this occurs an Earthquake is the result”.

“Notice how thin the crust of the Earth is in comparison to

the other layers. The seven continents and ocean plates basically float across the mantle. The ants drill more loose earth and use the loose soil to build their homes in dry season. These houses get washed in rains.

Humans use fertile areas to cultivate and live, these areas get submerged in high tides because of the porous nature of the over tilled, liquefied soils”.

Ishar further continued about the Los Angeles, Haiti, Bhuj earth quake, of India have left deep understanding of the class of soils to be dealt for farming and for cities. The Indonesian Sumatra earth quake and Tsunami, has resulted in about million deaths across many countries of the region.

As for food, someone said from the gallery, “the cities need to use more of Turmeric, Jaggery, these two have many Curcuminoids, containing a chain of Hydrogen, carbon and oxygen. Similar is with Papaya, Tamarind, garlic and ginger used in cities which have more pollution”.

Another visitor said, “why not go for the modern faster version of Tram lines for city transport system for public, and divert the vehicles on to the second layers of newly built three layer bridges. The first used by the metro and other rail lines and its platforms”

Ishar continued “with changes in transport vehicles of individuals, and evolving new ways of life in cities, it is easy to hang water, power, electricity to the sides metro bridges, and in under pass areas of new metro bridges building the sewers shall be easy”.

The meetings concluded with resolutions on 1st September 2020.

**BOOK THREE**  
**CHAPTER FOUR**  
**2.0 Nairobi-Meetings**  
**2020 SEPTEMBER**

Calvin accompanied by Satya was looking at the surroundings, probably he is above 60 years of age. People talked about 2030, as the year of Sustainable development Goals for mankind, in this year of 2020, they are racing to compete with another in finding a schedule for completion.

Satya was looking in to the extant of developments, He was in this region in years 1975 to 1990, and then he was imagining how he landed from Visakhapatnam, and Industrial place in Eastern India, to the Eastern part of Africa, Ethiopia and Kenya.

Adjoining the the one of the well developed Airport is the Financial hub, where Hilton, Shelton, Redission, and other hotels are located. This is a trading hub for Africa. Adjoining Kenya are Uganda, and Somali land.

Another side south Sudan and Ethiopia. Down ward of Kenya is the Tanzania. It is a place where rain is almost for 200 days in an year. There are naturally grown crops such as maize, and ground nut, as it rains. The great Lakes in the region has made the cropping and agriculture a huge success from 1995 onwards.

When Archimedes of Syracuse, [212 B.C], bathing in a tub has felt “bouncy” there were many people who could have said they also felt same way. The exact reasoning was made by the inventor.

Euler found that the tall trees requires more deep roots, and made his Euler’s formula. This is part of nature but he was the only one who could reason it. After all long trees have deep

roots inside the earth ,to be stable against the winds.

The invention thus relates to the nature, and nature has all the tools to make the living possible. When people saw big kite in air,a big bird flying they knew that they can accomplish it one day and go to places in short times.It happened,and today travel by air is a regular feature.

He remembered the 1990,years when he was in various parts of Ethiopia,and warmly greeted many of the old friends in front of him,though 35 years passed exactly he could recall many.

Rita had introduced,Mario,who hugged him,Bashir who gave a warm shake,and Shayalu Nani's old time friend gave a kiss,and a hug.

He started walking towards the lounges,and then from there on to the row of vehicles meant for them.They just traveled about 4 miles,and reached the Hotel in the financial capital. It is already 15 th September 2020.These meetings will last a few days.

By 2020 people are expecting to resolve the important issues. There were some government officers who said your meetings start with a Dinner in the night with the Home minister,the dinner will be attended among others many African Business men,and African Development Bank chairman and Managing Director,It will be a favor to allow your friends to attend the dinner.

These guests are accommodated in Hyatt hotel which is opposite to your hotel.And that is done as per your request.

Then the man left ,Giving a copy of the schedule for the night.The schedule also contained a list of participants Satya handed it to Bhasir,and Shayalu.They are shrewd to know who is following them.

Satya went for a wash in the bath room ,leaving all his friends below,some how shayalu,Mariano,and Bhashir,slipped and came in side the suit and sat in the Chairs.

He had already finished,his shave,bath,mouthwash and started wearing his Dinner Jacket,and elegant dress to meet the renowned people of Africa.

After all it is not only business,it is also an accomplishment to meet the deadlines set for the development goals of which the development of Urban Infrastructure is a critical issue.

When he came to the hall of the suit,Bhashir said “in 2018,for 2 days you were in Ethiopia,and may be another 2 days in Kenya,but things have modified between then and now.There is lots of developments happening.What we need to hear from you is how to make our cities into sustainable cities.What research techniques you suggest for a better construction to withstand nature’.Looking briefly into his face and then eyes,he turned to look at the other two research scientists,and said yes those issues we will talk tomorrow and day after”.

They started moving in the 30 storey lift down wards. He could see the well planned,well developed city of Nairobi nearby,but far away a congested,cramped,and unwieldy transport system ,tried tested and failed.

All invitees have have arrived.The Dinner table is made in such a way so that all face each other and there is no head,but still headed by the Kenyan Foreign Minister,other ministers of the government,along with a minimum one delegation of each African country was present.The businessmen heading their teams were from all genders,and were either from

Africa,Asia,Europe,or America.Few might be from Australia,there were not less than 300 members.

The head Mr.Francis started,we have almost succeeded in attaining about 80-to 90% success in elimination of Poverty and Hunger in all most all countries of Africa.

In the remaining 2 years time we also advance not only in these,but also in Gender equality,property ownership,equal laws,and sustainable development of human settlements".He stopped for a second,looked at all the assembled men,slowly but steadily he raised his voice.

"I give a perspective on Medicine,Dutch cinchona–quinine consortium,has patented and was world leader, thus interfering with and ultimately curtailing the transoceanic circulation of knowledge. Africa is getting closer to a eradicating many diseases .

"Eradicating the world's deadliest and costliest disease would completely transform Africa and its economy," said Joseph field, managing director of an NGO a civil organization. He was speaking at an interactive panel entitled "Leveraging Multi-Sector Investments to End deceases in Africa."

The event's conversation centered on the importance of private sector investment and public-private partnerships in the fight against decease.

Some one started speaking an incident in 1965, in the jungles of Malaysia, a surveyor with the U.S. army became the first person in recorded history to catch monkey malaria in the forest.

We have tackled Ebola,earlier AIDs,and we are facing the worst forms of diseases which Europe faced in 17 Th and 18

Th century during the Industrial revolution,and USA faced similar problems while constructing Panama Canal and Hoover Dam.We need more funds and resources for attending these health issues,so that our citizens can have better health beyond 60 years,which is our present longevity.

The food adviser Stacia,said you have not tackled the Climate changes properly for sustainable food production.“We need to change the way we produce food,and habits in using pulses rice meat etc.”

We also need to change WHAT we produce and call “food”. There are thousands of undervalued and underutilized species around the world that need us as much as we need them. Building a stronger partnership with our natural world can resolve our nutritional deficits and our environmental destruction as well. It can be a much better approach for our economy is and well it will be a win, win situation.We propose “consume with Care which could be a very appropriate theme for last week’s World Environment Day, and, every day.

Meanwhile the evening saw unknown figures moving in many corners.

Satya,started moving out along with Calvin.

Outside they saw in disguise,M,and X,there others who along with them are searching some thing.

Calvin said “they want to create an unwanted attention and abduct someone”.

The whispered “Noted,and alert”.

There was a thud thud from one direction,behind the hotel,which goes in to the gardens,that was followed by similar sound near the Swimming pool.

‘They are active and it could be one of the scientists whom we saw moving out, but Stacia also tried to leave’. It was again Calvin.

X, responded, “Calvin ask all your team including Satya, not to move from the Lobby, or the conference room”.

Satya phone started ringing “I am Rita, someone is taking me he wants me to talk to you”, then another voice

“You do not know us, we are only marketeers, we want all charges dropped on us by all governments, then we will release your people”.

Satya asked “How many, there including Rita, if you do not declare we may have many”.

“Give us time”.

“You have to come to a different place if you want time, and we will take more”. The phone ended.

The food Minister of Ethiopia Joan said, “Thanks for the various exchanges. My concern with those who say “we have to feed the World and there’s no way we can do it without chemical fertilizers” or “farmers can only be economically viable if they use fertilizers” (or something along those lines) is that all too often it doesn’t take into account how things are changing.

For example, I don’t hear enough from such people about the critical role of healthy soil in sustainable production. And I don’t get the sense that they understand what healthy soil really is’.

’This is something that some people have known for a long time but for many people it’s very new. It’s only really since the mid-1980s that serious research and study of the soil as a living entity has been taking place.

I remember going to a meeting in 2012 in London where a former director of soil research said: “The trouble is that for far too long soil scientists have been studying the soil as if it were dead.”

Well people may think why we need on how to address construction techniques, and contracts and into the life systems, Well either they feel they are criticized or else they lack skills to accept.

By then the Redission and the business district were in darkness. At least from voices it is Ratna, Dinesh, Mary are in turn missing.

There were sounds of helicopters moving from one of the roof tops.

Intermediately the systems are alerted, what people do not know is that the Data is at one place, and the takeoff and then the landing at Nearby Somaliland are on radio and net.

This was followed with two 10 seat craft taking in 10 minutes time to the eastern direction.

Refueling was done in Maldives, and straight to Vanuatu island, the members are taken in 3 different small craft.



### **BOOK THREE**

#### **CHAPTER FIVE**

**They** are already cruising their small aero plane in to the small island.It almost zeroed its speed on touching the runway,in a few seconds the speed has come down. One of the satellites is specially turned its focus on to the Island.

The tell tale marks of the abduction of Marcos,Rita,and the movement of Kapila,and Amrit Raushan is a clear indication that they are here.

Rostov,Calvin,Edwards,Irwin have been moved earlier by another small plane.

Mr.M.and Mr.X are in position a few hours before,they arrived from a different port by a ship.

It is not the city,it another center they have found.

It is another small nuclear facility,doing its research in to the SMR,and other smaller reactors.

They isolated all contact points.

They found an incoming chartered plane and took custody of Asoka,Kum,Galica.

Albena,Martin,Francis,Maria mine are along with the top leaders inside the reactor building.

Zinkita,is kept in custody of Amrit by Shakeer and Ashin.near to the containment Building.

There are people at the sea water intake and cooling water out let with peculiar gelatin sticks,which when removed from boxes will generate detonation.

The atmosphere looks like an amount of Radiation is going to be let off in to air.

Suddenly a voice of Kapila broke from the phone of Satya,  
“Satya we are classmates,we know each other from child

hood,i am trying to make and market,small Modular Reactors,and“Radio-thermal generators (RTG) which are another type of mini reactors,the world will benefit out of our research”.

A voice went in to the same phone with external speakers voicing at least for a kilometer, “Kapila,if it is genuine research,you have nothing to worry,but we need you in connection with the abduction of many people and stealing of several hundred tonnes of Uranium”.It is the voice of Calvin.

Kaplia said,”Calvin you are neither police nor i need to answer you,but we have abducted you and Kapila because you were coming in our way either in material procurement,or taking of cooling tubes from Nagarhona plant,which we have supplied in more number so that they try and keep them safely for our future use”.

“For your information gentlemen,we have guards every where with dynAmrites,the moment you try to walk in,the process and reactor plants will be on fire,regarding fuel we acquired 340 tonnes of superior plutonium from USA and various sources in Australia,which we are using to develop many SMR”.

“Further gentlemen,we have at many locations the Plutonium development and testing and our coming out is important for the stoppage of these radio active material from the places of living”.

‘Every one looked around,finally Satya said,now Kapila the best option for you to surrender,along with Amrit,your dear Son Asoka is with us,along with the Frigid daughter of Amrit.We also have all your places of research closed for any out side interference,even you will not get radio signal,for get

about 4 G signals.Further all your wealth is in police hands,and may be available to you if you show proof.But kapila who is your love Zinkita or Albena,Mohan is unable to remember whom he operated and kept chip,it could be both.”

“Satya,we are coming out to surrender”,it is Amrit.

“The procedure laid out is that,we have kept a transparent tube houses,each one of you one at a time has to walk in ,leave your dress,wear new dress,and destroy the box,it has to be done first by Amrit,then next tube we marked for Kapila,third next is for shakeer, for others we will intimate the procedure after we airlift all the three and test them for negative radioactivity”.

One after the other walked in tested in X ray,destroyed their old dress,and wore new dress,taken out by helicopter,by hanging them,to nearby vacant pond and immersed in the foam water three times and left for further scanning.

The international system of trial will start soon,and your properties are now taken by each state,your son and Daughter in law are under arrest.

Jahangir has invented new technology for power,and process industry is undergoing rapid changes.

Data has prevailed.

**Nirvana**  
**9/20/2020**

**SSEPTEMBER 20,2020**

**www.twitter@saripallin**

**https://plus.google.com/suryanarayanasaripalli,**

**www.linkedin.com/in/saripallisurya**