

# Scribbles

Bringing colour to your lives

Volume No. 5

January - February 2014

Issue No. 1

## From the desk of the editor of this special issue, presented by Team Socrates

When the responsibility of preparing Scribbles was given to Team Socrates, we decided not to proceed with the conventional methodology of writing about Cuddalore or Karaikal.

Instead, one of the suggestions which had surfaced was to write about the technological advancements that would impact our life personally/ professionally.

The initial thought was that it would be an easy task to write about technological advancements. But we soon realised that it is not a cakewalk to prepare articles for a publication.

The collation of the articles in this edition is just a drop in the ocean of technological developments that have hit us over the last few decades. We hope the readers will find the articles useful.

Last but not least, giving due respect to Mother Earth, we pray that the developments in technology would not affect the tectonics.

We must learn to celebrate life in spite of all the adversities.

*Wishing all readers a very Happy New Year.*

Regards,



**J Sridhar**

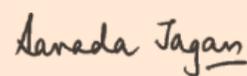


## From the Editor's desk...

When we asked the Socrates team to present this issue of *Scribbles*, they chose the theme 'Technology'. Being employees of Karaikal and Cuddalore, I thought it was a typical choice. 'Stereotyping', they say. Sridhar explained to me that it is not about PVC or Caustic technology or ZLD or MTF etc., but of how simply technology has impacted each of our lives, and now, probably, runs some part of it. Seemed Interesting! True to their word, they have presented technology from different facets. There is so much to learn, unlearn, re-learn.

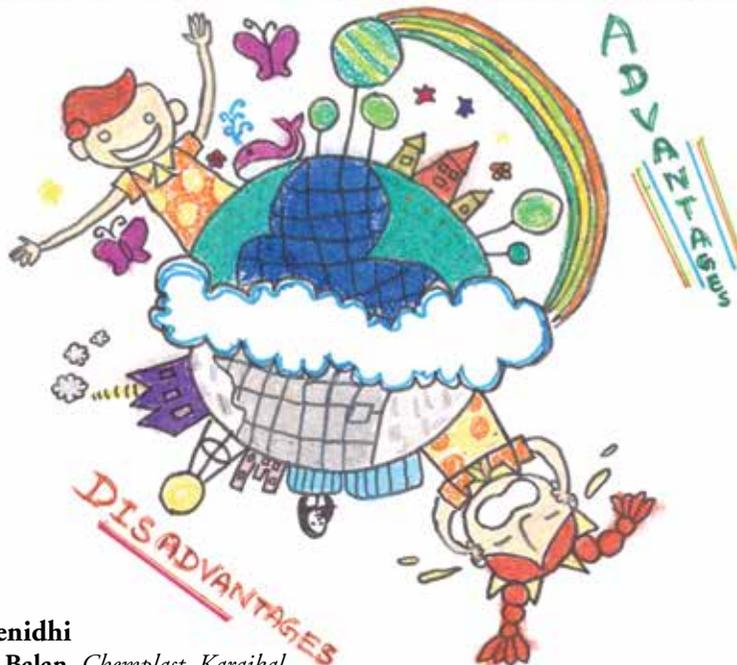
*Hope you enjoy learning!*

*Wishing you all a very fulfilling 2014.*



*Send your contributions/ responses to scribbles@sanmargroup.com*

## ADVANTAGES & DISADVANTAGES OF TECHNOLOGY



**B Sreenidhi**  
D/o V Balan, Chemplast, Karaikal.



**S Sindhu Priya**  
D/o T Senthil, Chemplast, Cuddalore.

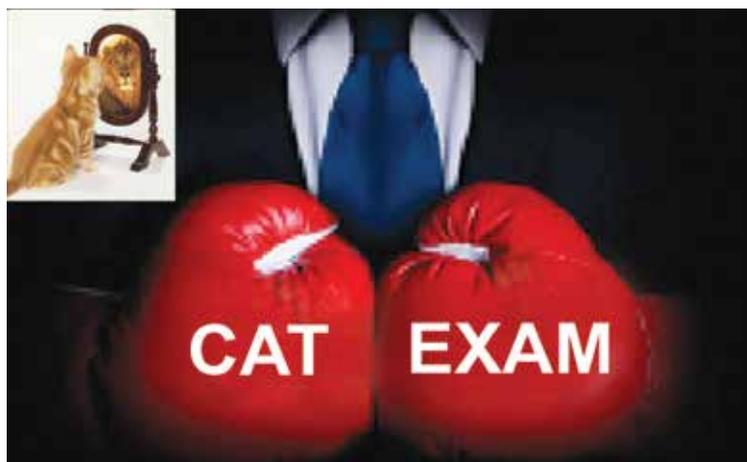
Guess Who? ! Given at the bottom of each page are the tips that will lead on to the photo of the person on the last page.

## Is there a manager in you ?

A clear trend, that is emerging among the students is the level of research carried out while deciding on the institution to pursue the education of their choice.

Students use various platforms such as social media discussion forums and focus groups on the Internet to obtain more clarity on the decision making process.

CAT, MAT and MBA entrance exams have changed their avatar from the conventional paper pencil to online, since 2009. Students therefore start their preparations for these exams well ahead of the actual testing window.



Given below are a few of the best Android Applications that can help students prepare for management exams.

App	Features
CAT/MAT/ XAT MBA Exam Prep	Best app in the Google Play Store with comprehensive material and tests.
CAT app	With this app, the user can view the sample test papers prepared by the institutions and track their progress. The interface application is most user friendly.
Tune Skill CAT Test/ app	Efficient app to practice sample CAT tests as it comes with various questions.
CAT Exam MBA – Pocket Exam	This application offers you the questions from 2000 to 2006.

**DM Senthil Kumar**, *Operations, Cuddalore.*

## What they will do next?

The automobile manufacturers are steadily adding new inventions to make vehicles more safe, reliable and sophisticated.

A few such technological advancements are given below:

**Audi:** Auto parking.

Soon your Audi will be able to find a parking slot and park on its own, while you walk into work.

**General Motors:** Intent engine.

This intent engine is a super-powerful artificial intelligence one which can analyse your past actions, understand the current conditions and scan for the available data to predict the behaviour. There will be a standby 'engine' that will come to play in the vehicle. For someone driving cross-country, the cars will know where fuelling stations are located.

**Chrysler:** Light weight but still sturdy vehicle.

Chrysler has taken the greatest challenge in vehicle design to make it lighter but durable.

Chrysler plans to adopt the unibody design, utilising the technology of single mould made out of meshed steel, reinforced plastics or new alloys that will maximise the strength at lower weight.

Similarly, all communication wires connecting the electric module could be replaced by fibre optics for lesser weight in place of copper.

**Toyota:** Hydrogen fuel cells.

Future evolution of battery powered electric cars is challenged conceptually against cost and unsafe technology.

By the end of 2020, Toyota vehicles will be ready with hydrogen gas powered fuel cells. Now the question is how the infrastructure will develop as an alternate to the petrol fuelling stations across the globe.

Expert's opine, the infrastructure development options for replacing/ charging the fuel cells will be costlier in the initial stages and will be justified in later stages.

A taste of the future...



**A Arivudai Nambi**, *Mechanical Maintenance, Cuddalore.*

# Television Technology

## A visual journey on the evolution of the 'idiot box'

While the history and technology of television comprises the work of numerous engineers and inventors in several countries over many decades... the word Television was framed by Constantin Perskyi in August 25, 1900 at Paris. On January 26, 1926 John Logie Baird gave what is widely recognised as being the world's first demonstration of a working television system.

### Plasma Technology



1920s



1990s

**LED/ Smart :** LED smart TVs are integrated with Android application, from which we can use Internet and other browsing options and games like PC and mobiles.



1960s

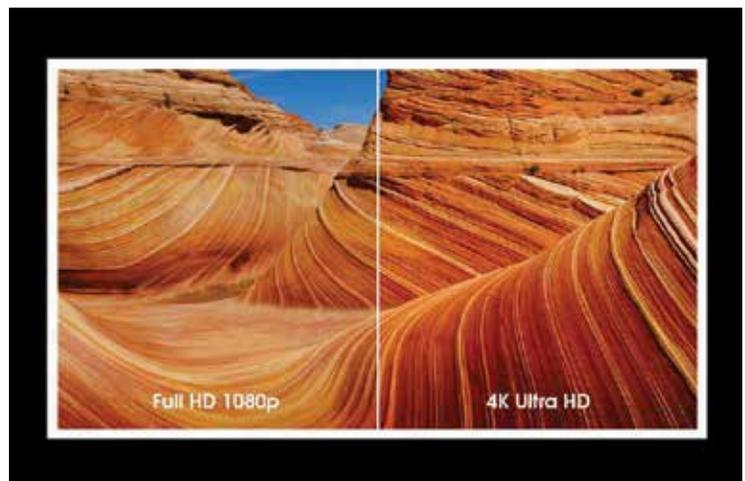


2007

**4K Television:** (four times that of HD) Photo realistic. (Latest technology)



1980s



2013

CM Thirunavukkarasu, Instrumentation, Karaikal.

# Evolutionary changes in weather forecasting through ages

## Forecast in ancient times

The art of weather forecasting began with early civilizations using reoccurring astronomical and meteorological events. It helped them monitor seasonal changes in weather.



Those days people predicted changes in weather by observing the behaviour of birds and animals.

1. If people can clearly hear the cricket chirp at night, it can be predicted that the weather next day will be fairly good.
2. If dragonfly flies up and down in the sky, there will be a heavy rain.
3. If anthills are closed, a thunderstorm is on the way.
4. There will be rain, if it is wet at the foot of a pillar.
5. Morning glow presages rain, while evening glow indicates fine sunny day.
6. Tower shaped alto-cumulus (high-heaped) or stratocumulus (low lumpy layer clouds) usually precedes a trough of low pressure or may indicate a coming storm.
7. Unstable air is very likely to bring rain.
8. Moon encircled by a halo (thin band of cloud layer) indicates formation of a cyclonic storm in the sea.
9. Such wisdom was passed through generations in the forms of proverbs and tales.

*Alto-cumulus cloud.*



*Stratocumulus clouds.*



*Stratocumulus clouds over the Pacific.*



*Stratocumulus Stratiform is opacus in Pennsylvania.*

## Milestones remarkable

1. Around 650 BC Babylonians tried to predict short-term weather changes based on appearance of clouds and optical phenomena such as HALOES.
2. Around 340 BC Greek philosopher Aristotle wrote Meteorological, a philosophical treatise that included theories of formation of rain, wind, hail, thunder, lightning and hurricanes. His four-volume text was considered by many to be the authority on weather theories for almost 2000 years till 17th century AD.

3. Around 300 BC Chinese astronomers had developed a calendar that divided the year into 24 festivals, each festival associated with a different type of local weather.

Throughout the centuries, attempts have been made to produce forecasts based on weather lore and personal observations. Soon instruments were needed to measure the properties of the atmosphere such as moisture, temperature and pressure.

## The first instruments

1. Nicholas Cusancus described the first known design in western civilisation for a hygrometer, an instrument to measure humidity of air around 1450 AD.
2. Galileo Galilei invented an early thermometer in 1592 AD or shortly thereafter.
3. Evangelisa Torricelli invented the barometer for measuring atmospheric pressure in 1643 AD.

While these meteorological instruments were being refined during the 17th and 19th centuries, the invention of telegraph and emergence of telegraphic networks allowed routine transmission of weather observations between observers and compilers.

## Evolution of modern tools

On April 1 1960, the polar-orbiting satellite - TIROS 1, the first in the series of television and infrared observation satellites, was launched.

Over the past 50 years, satellite sensor technology has advanced enormously and allowed meteorologists to improve/ extend their predictions.

## Benefits to the society

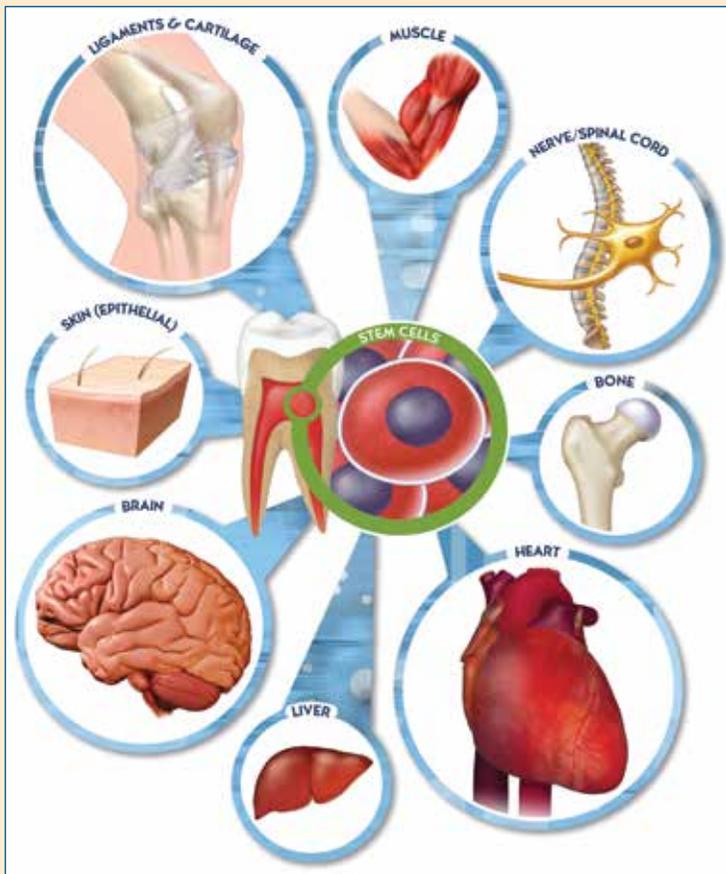
1. A more accurate 24-hour forecast of heavy rain and thunderstorm, along the cold front could allow the airline dispatchers, enough time to re-route their airplanes appropriately.
2. Being able to pinpoint an onset or a change in monsoons could be the deciding factor for the farmers to make the correct deployment or re-deployment of the irrigation strategies and they could execute remedial actions if any.
3. Better information on wind patterns could help the national meteorological centres in producing more accurate forecast for evacuating thousands of families out of the target land fall locations.
4. In military operations, there is a considerable historical record of instances when weather conditions have altered the course of battles, including examples when accurate forecasting has been a deciding factor in one side's victory.
5. Advanced information about the surface level pressure and wave height along the voyage route could aid the mariners to decide upon the navigational precautions and selecting alternate routes possible to the destinations.

In the present period, perfect weather forecast is done through a scientific approach by various technological advancements due to overwhelming increase of computing power that enables more accurate predictions over longer periods.

**A Arivudai Nambi**, *Mechanical Maintenance, Cuddalore.*

# Medical miracle

## Stem Cell Therapy



### What is stem cell therapy?

Stem cell therapy is an intervention strategy that introduces new adult stem cells into damaged tissue in order to treat disease or injury. Many medical researchers believe that stem cell treatments have the potential to change the face of human disease and alleviate suffering.

Stem cell therapy introduces new cells, which are capable of self-growth and have high immunity. Researchers believe that cell replacement can be applied in many disorders with minimal risk of rejection and side effects.

Future generation will get protected against diseases like cancer, heart diseases, brain damage, baldness, deafness and all heredity related disorders.

Other identified uses of stem cell therapy are:

Recently umbilical cord cells were injected into a patient's cancer brain; the dead cells were replaced and they helped reduce the tumour to about 81%. Also curing time was greatly reduced.

Korean research shows that spinal cord issues are well treated with stem cell injection.

Bone marrow stem cells are replaced for heart, which helps in new heart muscle growth, and new blood cells.

Cultured stem cells are used to increase insulin segregation in pancreas.

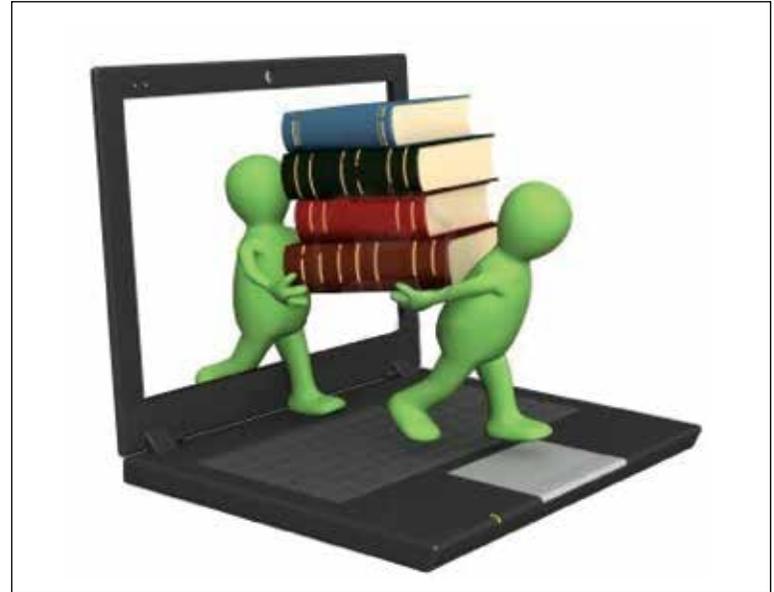
Medical research has and will find many more useful ways of advancement. Technological advancement in medicine is a big boon if available at affordable costs.

**K Manavalan**, MSc Pool Trainee.

## “Love books; Love Online Library”

What exercise is for the body, reading is for the mind. When it comes to reading, the immediate thought is ‘Library’.

- Gone are the days, when people would need to go to the library for selecting books. This has changed because of the many online libraries like “Ilovereadin”.



- It is very simple. All that you need is an email ID and payment option through your credit card/debit card.
- After the initial process of registration is complete, a plan of your choice (3 months, 6 months, 9 months or 1 year) can be chosen.
- During the selected plan period, one can order as many books (but two at a time) as they wish without worrying about the due dates and late fee. Make a queue for the book that you would love to read and “Ilovereadin” would take care of the rest.
- Readers can also request for the books that are readily not available.

**DM Senthil Kumar**, Operations, Cuddalore.

### Sanmarite shares a proud moment

Mrs. Shakila Bashir Shaikh, mother of Nasir Shaikh, Assistant Engineer Customer Service, Tyco Sanmar, Pune, received the National Florence Nightingale award to Nursing Personnel 2013 from the Hon'ble President of India on 12 May 2013 at Rashtrapathi Bhavan, New Delhi. The award carries Rs.50000, a medal and a merit certificate.



# Online shopping

E-Commerce or Electronic commerce can be simply explained as buying and selling goods and services over the Internet. If it is between business to business it is called B2B and if it is between business to customer it is called B2C.

Online business was first demonstrated way back in 1979 itself by Michael Aldrich, a British inventor. The first B2B user was Thomson Holidays in 1981 and the first B2C user was Gateshead SIS/ Tesco in 1984. The first World Wide Web server and browser was created by Tim Berners-Lee in 1990 and opened for commercial use in 1991. Thereafter, subsequent technological innovations emerged in 1994: online banking, the opening of an online pizza shop by Pizza Hut and Intershop's first online shopping system. Amazon.com launched its online shopping site in 1995. eBay one of the pioneers in online shopping was also introduced in 1995.

## Advantages of online shopping are:

**Better prices:** The vast majority of online stores offer prices that are much lower than what you will find at a physical store.

Shopping online is convenient. You do not need to get dressed and drive to your favourite store. You can easily visit their website, find the product you want and buy it. Shopping online allows you to buy things without hurting your schedule.

**Variety:** Most physical stores have a limited array of products. Shopping online allows you to find many products that you would not be able to find in a physical store.

**Gifting:** Online shopping makes gifting relatives and friends easy, no matter wherever they stay.

**Fewer expenses:** Many times when we opt for conventional shopping we tend to spend a lot more than the required shopping expenses itself. Things like eating out, travelling, fuel come as a package deal.

**Discreet shopping:** Shopping online gives you privacy because you will not have people looking at you while you shop.

## Some of the disadvantages of online shopping and how to overcome the same:

1. Risk of using a credit card or debit card due to the threat of hacking – to overcome this check the use of symbol “closed padlock” to denote a secure network connection.
2. If the website address or URL begins with https://, it is safe for online orders.
3. Buy only from merchants who request the 3-digit security code from back of your card.
4. Cash only on delivery as far as possible.
5. Some shopping portals take longer time to deliver. Check the delivery schedule before buying and nowadays some shopping portals deliver on time and this is one of their marketing strategy.
6. You may receive a wrong product or wrong size or damaged one - Some of the shopping portals will take back the wrong product and deliver the correct one without any extra charge.
7. Some shopping portals highlight the packing and delivery charge with smaller fonts, which may miss our sight, check for this before the payment.
8. You become lazy, lose the joy of shopping with friends and relatives.

**J Srinivasa Rangan**, *Technical Services, Cuddalore.*



## e-Facility for storing documents

When it comes to storage of valuable documents you would be looking for the vault to keep the hard copies. For the soft form of the document, here comes a facility of e-Locker offered by leading banks in India.

What is e-Locker?

e-Locker is an online document storage facility available on Internet Banking platform to upload, download, view and store scanned copy of important documents like PAN card, Birth Certificate, Agreements, Passbook Statements or other tax related documents securely.

What are the charges of e-Locker?

e-Locker is free of charge for Privileged Banking Customers (PBC). The condition of becoming PBC is purely the prerogative of the bank.

What type of documents can be stored in e-Locker?

Documents in the formats of PDF and JPG can be stored in e-Locker.

What is the total storage capacity of e-Locker?

e-Locker facility has the storage capacity up to 1 GB with no limit on number of documents to be uploaded. However,

each document cannot exceed 10 MB.

How can I register for e-Locker facility?

If you are a Privileged Banking Customer the e-Locker facility can be instantly availed online by logging on to your Internet Banking and clicking on e-Locker tab with the acceptance of Terms and Conditions.

**DM Senthil Kumar**, Operations, Cuddalore.



## Home automation future is here

“Stop dreaming and start experiencing the smart home”

- Through home automation, experience your home through a centralised control for lighting, HVAC (heating, ventilation and air conditioning), electronic appliances, security locks for gates, doors and other systems. It provides convenience, comfort, luxury and security in an energy efficient way.



- Everything is one touch or swipe away from your smart phone. One touch to turn on your room lights and swipe to change the luminosity in the room. No need to wait for heater to turn on and hot water to be ready. Just one touch while you are on the way, your home can do that for you.
- Don't worry about what is happening at home, remotely monitor it using your smart phone.
- Not just that, you can open your house door securely through your smart phone; no need to hassle with keys anymore.
- Stuck in office, relatives or friends have reached home before you? Just send a One Time Key to their smart phone so that they can enter the house without waiting outside.

Don't wait! Start living in smart homes.

**K Ukkirapandian**, Electrical Maintenance, Karaikal.

## Mangalyaan: India's first Mars Mission

**Some basic facts on this major technological advancement:**

- Took off from Shriharikota using PSLV- on 5th November 2013
- Project cost around 450 crores
- Mangalyaan weighs about 1337 kgs
- Mangalyaan means “Mars - craft” in Sanskrit
- Major crux-Escape from earth (Sling shot) on 1 December 2013 was very successful, which is a crucial operation where other countries failed
- India is the first in Asia and fourth in the world
- Now travels at 1 million km/day
- First time Indian made object out in deep space
- Expected to reach Mars orbit by 24th September 2014, will orbit with 300 km to 80000 km distance to Mars
- Antenna designed by Alok Singhal of Jaipur, Aluminium covered in FRP
- The spacecraft is being continuously monitored from the Spacecraft Control Centre at ISRO Telemetry, Tracking and Command Network (ISTRAC) in Bangalore

- What's more, Mangalyaan will monitor and take picture of a rare comet which will come closer to Mars next year. This comet is believed to be separated from object away from 2 billion crore kms

**K Nivetha**, D/o **S Kodeeswaran**, Instrumentation, Karaikal.



From their humble beginnings then to the latest smart technological innovations in kitchen gadgets now... has cooking become a lot easier or tastier?!

## Then Now Grinder



## Cooking Oven



## Cutter



## Coffee Maker



## Refrigerator



# Energy conservation in your kitchen

It is obvious that a family can use only 8 cylinders a year. But it is very difficult to manage. So the next alternate is induction stove. Really it is a gift for us. But think of the power cut. So here is a low cost energy saving equipment, to save the LPG.

## Wonder oven box (or) Hay box

All you need is a wooden box of any dimension and 5 pillows stuffed with straw /hay since straw is a very good insulator.

You can cook rice, dhal, vegetables, grams etc. It is the best option for soups & stews.

During World War II, hay boxes were used as a way of conserving rationed cooking fuel.



## Method of cooking

- Boil water in your gas stove, when the water starts boiling, put rice or dhal and switch off the stove.
- Now take the vessel and place it in the wooden box amidst the straw pillows and close the box.
- After 20 minutes, open the box. To your surprise, the rice/ dhal will be cooked completely.

## Benefits

1. Food is not over cooked.
2. Vitamins will be retained.
3. Warmth of the food is retained for 8 hours.
4. LPG consumption is reduced by 30%.

On stove top cooking energy has to be supplied continuously as heat is lost through conduction and convection. This wonder oven or retained-heat cooker is a cooker that utilises the heat of the food being cooked to complete the cooking process. Food items to be cooked are heated to boiling point and then insulated.

Over a period of time, the food items cook by the heat captured in the insulated container.

**Note:** Make sure the food is boiling thoroughly before placing into the Hay box.

**V Sudha, W/o. S Subramanian, Mechanical Maintenance, Cuddalore.**



# Best safety applications for women

According to a global poll conducted by Thomson Reuters, India is the “fourth most dangerous country” in the world for women, and the worst country for women among the G20 countries.

Various safety applications for women that come handy in difficult situations are provided herewith for exploration and usage during perilous situations.

These safety apps provide a smart way to stay safe on the road and alert family, friends or police in distress situations through your smart phone.

**J Sridhar, Plant Head, Cuddalore.**

App	Features	Applicable Software
Women Safe Circle	Women Safe Circle is an app that every woman should have on their phone as it helps them in staying safe and get connected with the pre-selected contacts in a single click.	Windows based smart phone
Nirbhaya	The advantage of this app is, it can be configured to send emergency message to the specified group or contact on shaking the phone in a particular style.	Android based smart phone
Onwatch	This application offers tools to alert a group of contacts who the user trusts and one can add up to six customisable alert modes to alert friends, family and any other combination.  Also, there is a timer feature, which will send an alert to the user after a set time and if there is no response, the app will send a customised message to the selected contacts automatically.	iOS based smart phone
Alert Us	With this app, parents can always monitor their kids' whereabouts. It also allows them to send emergency alerts using the alert button to a set of trusted people.	Black Berry
Scream Alarm!	This is a free safety alarm, which does only one thing – scream with a women's voice on pushing a button. Scream Alarm is a perfect app to raise alarm in distress situations.	Android based smart phone

## KIDS with gadgets: The adverse impact

As one might expect, there are pros and cons in terms of how modern technology impacts young people. There are many positives in this regard; Kids experience great fun playing video games, watching cartoons etc.

In winter children have limited outdoor activities, so using modern technology indoors can be a good substitute. Long distance travel is also no longer boring as a child can take along with them hand held gadgets.

Elementary school children are now using a combination of technology (Televisions, video games, Internet, movies, mobiles and ipods etc.) for an average of 7.5 hours a day.

*(Courtesy: Rowan paraphrasing a Kaiser Foundation Report-2010)*

In this hub however, we should focus more on some of the negative impacts of technology on children.

- Listening to loud music on a MP3 player causes hearing loss.
- Being fixated for hours on video games/ cartoons causes vision problems, headaches, dizziness etc.
- TV and video games account for 60% of childhood obesity.



- Kids turn inward and socially isolate themselves as a result of over exposure/ dependency to modern gadgets. Too much attachment to technology results in detachment of the children from their peer group.

*Where are the parents?*

- Parents should help guide, counsel and place limits on our children. They can limit the exposure to video games and encourage/ find ways to get their child outdoors for more physical play.

- Many kids in public places are noticeably glued to their cell phones/ ipods and lose their experience of the natural world. It is the duty of the



parents to ensure social interaction for their better future and health.

- It is quite common that young people get together for an evening of fun, but instead of focusing on one another, they are on their cell phones, texting or browsing on the Internet.

In summary, excessive exposure to modern technology can have a myriad negative effects upon children. This will continue to be a problem, due to rapid advancements in technology.

Hope this article helps to raise awareness of the risks children face as a result of over-exposure to modern, technological gadgets and devices.

**A Arivudai Nambi**, Mechanical Maintenance, Cuddalore.

# The fascinating world of game simulators

Computer games are always fascinating, that too, definitely for kids like me. Past few years, I have developed a passion for few of the fantastic computer games, in the category of simulators. These simulators, unlike normal computer games or even racing simulators, give you realistic effects of real time situations and are a lot of fun.

**Train Simulator 2014:** Latest in the series of popular train simulators, it is more about actually driving a train. It



delivers everything we love about trains with the exhilaration of speed, stunning graphics, variety of trains, real-world routes and challenging assignments. We can select and own



School at Shantiniketan, Kolkata.

*Congratulations first correct respondent:*

**T Mathan Raj**, Production, Sanmar Foundries, Viralimalai.

## Guess What? Where?



Where is this well-known data centre ?  
Clue: This is not in India.

Write in to  
scribbles@sanmargroup.com

route or type of trains. There are wonderful and enjoyable routes like modern London Bridge, the popular Isle of Wight route, etc. We can actually operate these trains according to time table, pick up passengers from the right station, operate freight trains, and even drive them to workshop to assemble various train modules. The sceneries are near perfect and the arrangements are almost similar to the real ones.

**Microsoft flight simulator:** Released by Microsoft, this is the longest running software product line, predating Windows by three years. Microsoft flight simulator may be



the longest running PC game series of all time. Almost all of the operating airports in the world are incorporated in the simulator. One can take off from any airport and land in any airport. The travel time is also real and it takes the actual travel time from one place to other. Variety of planes are available to select and the control systems inside the planes are replica of the real ones.

**Euro Truck Simulator:** This is a platform vehicle simulator game. Set in Europe, the player can drive one of a choice of articulated trucks across a depiction of Europe, picking up cargo from various locations and delivering it. As the game

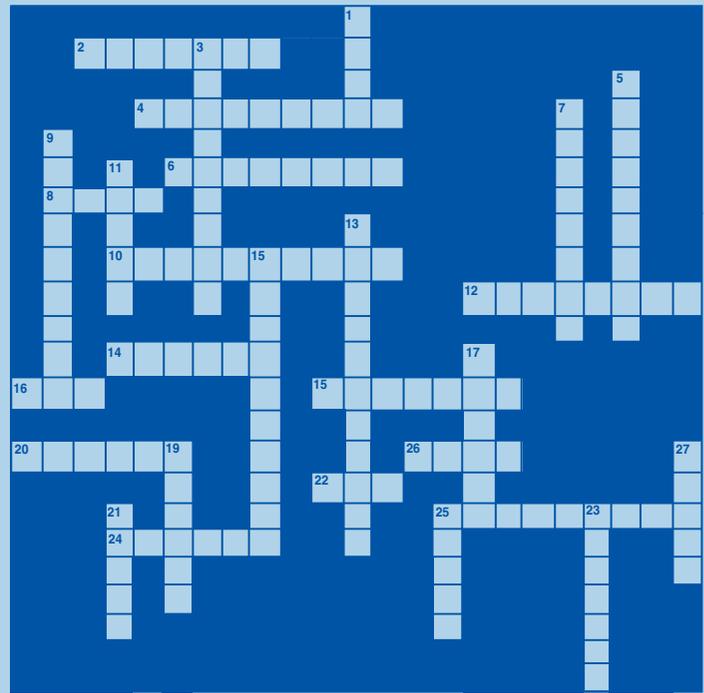


progresses, it is possible for the player to buy more vehicles, depots, and hire drivers to work for them. The country side views are breathtaking, travel through various cities and you can even watch the historic and famous buildings pass by. The climate and time of day change, so you could find yourself enjoying a balmy spring day in one ride and trying to navigate under torrential rain in the middle of the night the next day.

**S Aravind Prakash**, S/o. **T Senthil**, Instrumentation, Cuddalore.

## Sudoku

		7	2				5	
6		4				1		
3				9	5		8	
8				1	9			
			4		6			
			8	7				
	3		9	6				2
		2				9		7
	7				2	3		



Crossword

### Across

- 2 Vital software for viewing Internet sites (7)
- 4 What your computer calls any letter number or symbol that appears on the screen (9)
- 6 1,048,576 bytes (8)
- 8 A small picture or symbol representing a computer hardware function or component (4)
- 10 Data or text altered to become meaningless (10)
- 12 Network maintained by a company that is only available to its staff or authorised users (8)
- 14 Connected (6)
- 16 Acrobat reader is essential (3)
- 18 A computer display device (7)
- 20 Find information (6)
- 22 The smallest unit of data in a computer - there are 8 of these in a byte (3)
- 24 Antonym for downloading (9)
- 25 A type of printer that forms letters on the page by shooting tiny electrically charged droplets of ink (6)
- 26 A group of eight bits that represent a character or number (4)

### Down

- 1 Vital if the data is important (4)
- 3 Try before you buy (9)
- 5 Transmission over a wire that can carry multiple signals at once (9)
- 7 The Netscape Navigator name for favourites (9)
- 9 Some of your computer's memory set aside to temporarily store copied or cut information (9)
- 11 This device allows your computer to talk to other computers over a telephone line (5)
- 13 Copying files to your computer from another computer (11)
- 15 Widely used for presentations (10)
- 17 What your PC does when you switch it on (6)
- 19 Can create havoc if so minded (6)
- 21 Small program that can cause big problems (5)
- 23 Starting you in the face, twice (7)
- 25 Do this to a compressed file (5)
- 27 User name and password needed for this (5)

**S Subramanian**, Mechanical Maintenance, Cuddalore.

## Editorial Board of Team Socrates



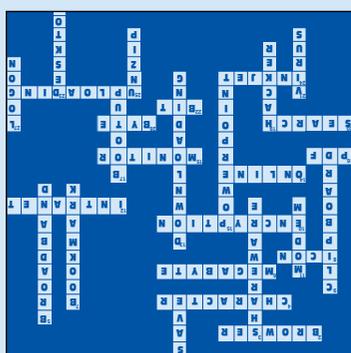
(L to r): T Senthil, A Arivudai Nambi, S Viswanathan, J Sridhar, J Srinivasa Rangan, DM Senthil Kumar.

## Guess Who? !

*He is the American Internet entrepreneur and investor- Jeffrey Preston - the founder and CEO of Amazon.com, world's largest online retailer.*



## Answers to the Crossword & Sudoku



8	9	3	2	5	1	6	7	4
6		3	2	5	1	6	7	4
7	1	6	4	8	3	2	6	5
7	1	6	4	8	3	2	6	5
2	1	6	4	8	3	2	6	5
5	9	4	3	4	9	5		
7	9	5	4	2	6	9	1	3
1	3	1						
6								
4								
4								
9								
3								

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