

Ushodayam

Newsletter of the Ushodaya Enclave, BHEL HIG 2

www.bhelhig2.in

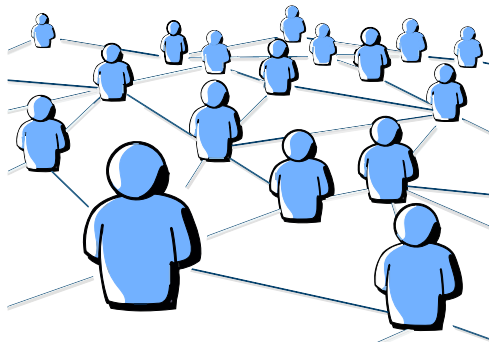
Mobile Phones and Social Media: A Boon or a Curse?

by **Shri R K Wanchoo**
(22, Ushodaya Enclave)

Mobile phones and social media dominate our lives nowadays. The world has attained the characteristics of a global village thanks to use of mobile phones and social media.

Not very long ago, the preferred mode of getting connected with our near and dear ones was the landline-based telephone. Remaining in touch with world happenings was through the television and the newspaper. We also would indulge in letter writing once in a while, and the letters used to be posted in the red letterbox usually found close to our homes. In case of emergencies, it used to be the Telegram that would be sent from the nearest telegraph office.

All these arrangements were severely disrupted with the advent of the MOBILE PHONE. The earlier arrangements and methods of communication seem quite archaic and obsolete compared to what mobile phone offers nowadays. With mobile phones becoming smart phones, our attachment and dependence on them has become something which was unimaginable about a decade ago. The type of facilities and the instantaneous contact features offered - including video and conference calling makes us wonder how we used to live when mobile phones were not there. Smart phones today have become an inalienable part of our lives and an essential accessory to our personality. Today, without a mobile phone, one would be isolated and out of sync with the rest of the world. It would be extremely difficult to live and conduct essential day to day activities without using a smart mobile phone. People who forget their phone at home will return to retrieve it but would elect to move on if they forget their wallet.



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As with any new technology of great utility, mobile phones have also caused disruption of many technologies and products which were in common use till recently. With current smart features they have replaced cameras, calculators, computers, typewriters, newspapers, postal stationery, telegrams, personal diaries, etc. No wonder we have more mobile phones than the number of people today. But the smart mobile phone revolution has just begun, and its effect on our lives will deepen in times to come, both in positive and negative senses.

Computers in general, and mobile phones in particular, have created a new media platform in our society. It is the SOCIAL MEDIA. It has tremendously changed the behaviour, functionality and environment of the societies across the world. While it has helped mankind in many ways, it has also encouraged anti-social behaviour of users that was not possible when it did not exist. The positives are numerous. Simple 'feature phones' have contributed to lifting over a billion people out of severe poverty in Africa and other poorer parts of the world. Simple add-ons are bringing professional medical treatment to remote villages. E-commerce is raising the standard of living for millions. State governance has improved and public utilities have eased life of general public. It has become easier for businesses to contact their clientele and interact with customers. The costs of conducting businesses have reduced. It has greatly improved systems especially in the area of healthcare, education, industry, learning, and collaborations, making societies more productive and creative.

However, because of the facility and the ease of contacting and approaching big groups of people on the platform, it has created a huge potential for display of anti-social behaviour by vested interests. The effect is so severe that it has created social unrest, riots, and crime. It will not be surprising if such a situation leads to wars also in future. The younger generations are more prone to the negative impact of social media. Their minds are being shaped into thinking as projected by the media blogs.

Some of the disadvantages of social media of immediate concern are:

- **Cyberbullying:** Since anyone can create a fake account and do anything without being traced, it has become quite easy for anyone to bully on the internet. Threats, intimidation messages and rumours can be sent to masses to create discomfort and chaos.
- **Hacking:** Personal data and privacy can be easily hacked and shared on the internet. Identity theft is also very common. It can affect personal lives including undergoing financial losses.
- **Fraud and Scams:** There are many examples of social media platforms being used for scamming and committing fraud.
- **Security:** Social media gives away lot of personal information of individuals. Many security agencies do get access to such information compromising the safety and privacy of the user. You can be held responsible for anything that you discussed unknowingly or mistakenly over the internet.



- **Reputation:** Social media can ruin the reputation of a person by simply creating a false story, a morphed video or a photograph and spread it across the internet causing loss of reputation. Similarly, businesses can suffer losses due to bad reputation conveyed over the internet.
- **Relationship issues:** Very often we see couples going to courts after marriage because they found reality different from what was informed over the social media.
- **Addiction:** The social media easily gets users addicted to its use. Teenagers are most affected. Excessive use can eventually cut off users from society. It also wastes individual time which could have been used for productive and creative tasks.

It is common belief that notwithstanding the negative impact of social media, its advantages far outweigh the disadvantages. However, it does pose a great threat to social peace if not handled properly. It becomes incumbent upon all of us to participate in its use to bring happiness, ease of living and togetherness in our societies and not misuse it to create mistrust and unrest. It is said that about 80 percent of the so called 'news' circulated on social media like Facebook, Whatsapp, Twitter, etc., is generally fake. Next time you get an interesting forward on Whatsapp remember that forwarding it to others may not be the best thing to do. It may be fake and untrue and targeted to create harm or hurt. By forwarding it without thought, you become an instrument and a carrier in the unholy task. Let us make existence of mobile phones and social media a boon for the society and not a curse.

**BEWARE OF
FAKE NEWS!**

Health Notes

BEAT THE SUMMER HEAT!

- Keep your self well hydrated. Drink lots of fluids.
- Wear light coloured, loose fitting, cotton clothes.
- Avoid going out during mid day. If you need to go out, use an umbrella or a sun hat.
- Shower more frequently to cool the body down.
- Keep windows open in the early mornings and evenings - and closed at mid-day.
- Keep the curtains drawn during the mid-day.
- Eat a light and healthy diet - rich in fresh fruit and vegetables.
- Cut down on spicy, oily dishes.
- If possible, complete the day's cooking early in the day - when it is cooler.



Happenings of the Quarter



The 73rd Republic Day was celebrated with the usual fervor on 26 January 2022 at the HIG2 Society Office. The tricolor was hoisted and unfurled at the office premises as is the convention in the presence of Society Office Bearers and Management Committee Members presided by the President. The ceremony included rendition of the national anthem followed by distribution of sweets.

The ongoing landscaping and fencing work of the western park has progressed further with the help of GHMC. The installation of the entry gate and arch has been completed.



Happenings of the Quarter



Shri Jagdishwar Goud, GHMC Corporator visited our colony on various occasions to oversee and inspect the on-going sewerage line repair and relaying work.

International Women's Day 2022

by Smt Ashlesha Hajirnis
(138, Ushodaya Enclave)

When did the International Women's Day begin?

In 1975, during International Women's Year, the UN began commemorating International Women's Day (8 March). Two years later, the UN General Assembly officially formalized the Day — although the first observance dates back to 28 February 1909, when the Socialist Party of America designated the day to honour a garment workers' strike in New York in 1908.

(Source: United Nations.

<https://www.un.org/en/observances/womens-day/background>)

The International Women's Day is an occasion to celebrate the progress made towards achieving gender equality and empowerment. It is also an opportunity to critically reflect on the historical accomplishments of women change makers – the women garment workers involved in the labour rights movements in the USA, the Russian women's 'Bread and Peace' protests for better living and working conditions, and several women-led movements in our own country including the Chipko Andolan, the Anti-Liquor Movement and the Nirbhaya Movement. Today as we stand, there's no field where women have not made their mark – be it Science, Education, Armed Forces, Media, Social Work, Politics, etc. Women have continued to climb the ladder of success and their contributions have been shaping every sphere of society!

Some of the strong women I have been fortunate to have in my life...

- My Grandmother, Aaji as we called her, was a master chef, who could cater to any number of children, grandchildren and relatives.
- My Bai, who helped us at home and was truly the Guardian Angel of my family.
- My domestic helper, who chose to overcome the challenges in her life confidently and live a life of dignity.
- My Mother, who gently taught me to appreciate and celebrate life as I grew up.



Feminism isn't about making women strong. Women are already strong. It's about changing the way the world perceives that strength.

G. D. Anderson

Know Your Neighbours!

NEIGHBOURS IN H.NO. 23



Residents: Sri T. Lingam and Smt T. Swaranalatha

Shri Lingam holds a BE degree in Mechanical Engineering and was working in BHEL as Senior Manager in the TC> Technology Group. He took retirement under VRS scheme in 2003. Smt Swaranalatha is a home maker.. Shri Lingam enjoys reading and gardening. The couple has two sons T. Mallikarjun and T. Shivkumar. Mallikarjun works in CISF and is presently posted in Maharashtra while Shivkumar is a computer science professional working in London.

NEIGHBOURS IN H.NO. 27



Residents: Shri K. Nabi Rasool and Smt. K. Razia

Shri K. Nabi Rasool is a graduate in Mechanical Engineering and retired under VRS scheme of BHEL in August 2000. He was a Dy Gen Manager at the time of retirement. Smt K. Razia is a house wife. Both Shri Rasool and Smt Razia enjoy watching TV - particularly sports and old classic movies in Hindi and Telugu. They enjoy the serenity and peaceful life of Ushodaya Enclave. They are blessed with two sons K. Arif Basha and K. Shariff - both of whom are graduate engineers and are working in Toronto, Canada.

Congratulations!



Shri Mutyam and Smt Suguna, residents of our colony, celebrated the 50th anniversary of their wedding on 7 March 2022. The celebrations were held at the Club House of My Home Jewel, Madinaguda. The joyous event was attended by friends and relatives of the couple. Ushodayam congratulates the couple on this wonderful milestone and wishes them many more healthy and happy years ahead!

Know Your Neighbours!

NEIGHBOURS IN H.NO. 29



Residents: Shri B. Laxmipathi and Dr B. Vijaya Lakshmi

Shri B. Laxmipathi holds a master's degree in Mechanical Engineering and Smt Vijaya Lakshmi holds a M.D (AY). Shri Laxmipathi retired from BHEL as Addl. General Manager in TCGT Production. Smt Vijayalakshmi retired as Asst Professor from Govt Ayurvedic College. Shri Laxmipathi is currently engaged as G.M./Engg (STS Hyderabad). Post her retirement, Smt Vijaya Lakshmi has concentrated on the role of a housewife. The couple have two daughters P. Sunitha and N. Madhavi and a son B. Sunil Kumar. While Sunitha and Madhavi are working in India, Sunil Kumar is a computer professional working in London.

NEIGHBOURS IN H.NO. 33



Residents: Shri S. Chidambaranathan and Dr. C. Dharani Devi

Shri S. Chidambaranathan is a chemical engineer and is engaged as Executive Vice Chairman of SIGACHI Industries at Hyderabad. Dr. Dharani Devi is a doctor holding a MBBS degree. Reading, yoga and meditation are Shri Chidambaranathan's hobbies, while Smt Dharani Devi likes cooking and listening to music. Shri Chidambaranathan has received several awards for industry excellence. They include a National Award for MSME from Government of India, Innovation Award from Department of Science and Technology and Best Employer award from Zee TV. They have a daughter, Karthika and a son, Bhavani Shanmugam who are working in USA.



Financial & Taxation Notes

INVESTMENTS IN STOCK MARKETS IMPACTS OF WARS, PANDEMICS, ETC.

It is natural that stock markets react swiftly to any major global event such as wars, pandemic situations like COVID, etc. The national and local events such as election results, budgets, changes in economic policies of the Government, etc., also cause swift movement of stock market prices. The sudden rise or fall of stock market prices is temporary and recovery happens over a period of time. The common investor is often puzzled at the sudden rise or fall and worries over his/her investments. Let us see how stock markets behaved in the past, in such situations.

Recession Period	Down Percentage	Recovery Period	Up Percentage
Jan 2008 to Mar 2009	-59%	Mar 2009 to Nov 2010	145%
Mar 2015 to Feb 2016	-22%	Feb 2016 to Mar 2017	30%
Jan 2020 to Mar 2020	-38%	Mar 2020 to Nov 2020	64%

As seen from the above table, the markets tend to recover from every fall, although the time taken to recover may vary. The investors who continued to invest through the market fall benefitted significantly after market recovery, as they kept buying scripts/mutual funds at lower NAV during the market fall. Market falls are very common and they present an excellent opportunity to invest. Instead of waiting for the market to correct more or to pick up, one can consider investing via SIP (Systematic Investment Plan).

The pyramid theory in investing is, if you feel it is at the top of a pyramid, you buy very little. And as the prices decline, you buy more. And on days that the market goes up, you stop buying, on the presumption that it's going to down, tomorrow or the day after.

Key Takeaway

Market fall is an opportunity to benefit in the long run. It is advisable to consider starting or continuing SIP during such times, to bring down the average cost of investments.

Disclaimer

Investing in stock markets poses risk of financial losses. Investors must, therefore, exercise due caution. The authors/publishers are not liable for any loss that may arise as a result of decisions based on this article.

SAVING TAX ON LONG TERM CAPITAL GAINS

With the amendments on taxability of shares/stocks, mutual funds, etc., brought about in Budget 2018, which seek to impose taxes on Long Term Capital Gains (LTCG) in excess of Rs 1 lakh at the rate of 10%, on sale or redemption as the case may be, after 31 March 2018, a little amount of strategic planning will still help you save your taxes.

- LTCG made on shares sold or units redeemed until 31 March 2018 were tax exempt.
- In case you desire to hold the investment for longer period, roll over on year-on-year basis will reduce tax liability since the exemption of Rs 1 lakh will be available for each year.
- Indexation is not available for long term capital gains through shares/stocks, etc.
- There is no restriction on buying the same shares and mutual funds again, right after booking the profit.

The investment of Rs 5 lakhs made in one year and sold after 5 years will result in a saving of Rs 40,000 (without considering brokerage, STT, etc.) with a little amount of tax planning. It is assumed that the benefit is equally spread over the period of 5 years.

Year	Without tax planning			With Tax planning			
	Cost of Acquisition	Sale	LTCG	Sale – and its cost	Purchase	Cost of Acquisition	LTCG
1	5,00,000			2,00,000 -1,00,000	2,00,000	6,00,000	1,00,000
2	5,00,000 +0			2,00,000 -1,00,000	2,00,000	7,00,000	1,00,000
3	5,00,000 +0			2,00,000 -1,00,000	2,00,000	8,00,000	1,00,000
4	5,00,000 +0			2,00,000 -1,00,000	2,00,000	9,00,000	1,00,000
5	5,00,000 +0	10,00,000	5,00,000-1,00,000=4,00,000 (Tax@10% 40,000)	10,00,000		9,00,000	1,00,000 (Tax Nil)

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Obituary



Smt Indra Koul
Mother-in-law of Shri R.K. Wanchoo,
H.No. 22
Passed away on 18 February 2022



Shri K. Vishal Reddy
Son of Shri K. Pratap Reddy, H.No. 32
Passed away on 2 March 2022



The Editorial Team of Ushodayam offers its deepest condolences to the bereaved families and prays for the departed souls to attain sadgati and moksha in their Heavenly Abode. Om Shanti.

Everyday Science Notes

DRONES

Drones are flying devices that carry specific operations which are difficult or hazardous for a human to do. They are also used for simple applications like making toys or for complex tasks of military purposes. The ones for military use can be small or as large as an aircraft. They are flown unmanned and controlled from the ground and are also called UAVs (Unmanned Aerial Vehicles).

An object in the air experiences gravitational pull which tries to bring it down to earth. If the object has a mechanism which creates upward force that equalizes the gravitational pull, then it can remain stationary and suspended in the air. If the upward thrust (flying force) is more than the gravitational pull then it can fly upwards. Also, if the flying force can be manipulated in various directions, then the object can fly in multiple directions. This is the fundamental principle used by drones for flying. Its movement is controlled from the ground through remote or its pre-programmed controller.

A typical small drone has key components such as rotors with propellers, accelerometer, gyroscope, controller and battery. This core equipment provides all the facilities to operate the drone for the intended purpose. The operations of most consumer drones are as simple as playing a video game.

Small Drones can be controlled remotely, often from a smartphone or tablet. Users can also utilize apps to pre-program an automated flight path for the drone by feeding in specific GPS coordinates.

Rotors and Propellers

The rotors are the main component which provide the motive force for the device to fly. The rotors have a propeller attached to their free end. In order for the drone to stay suspended at a fixed point, the propeller provides the upward pull which counters the gravitational pull downwards. In such case the drone just hovers above a point in the space. If the speed of the propeller is increased, the upward force becomes more than the downward force making the drone to lift itself upwards. Thus, rotors provide the means to provide vertical motion of the drone. Conversely, if the speed is reduced, the drones can be made to descend. As the drones get lifted, the propellers cause it to spin on its axis. To avoid going out of balance because of the spin, opposing propellers rotate opposite in direction to the other propellers so as to balance the spinning torque. The rotors of the drone must apply thrust while making sure the spin of the rotors keeps the drone balanced.



Accelerometer and Altimeter

The accelerometer gathers and feeds information about its speed and direction. The altimeter measures the height or altitude. With these parameters being fed continuously to the control system, the movement of the drone gets regulated and controlled by pre-programmed software or by manual control from the ground. These features also help a drone land slowly and safely, preventing it from sinking into an air vacuum called a wash that could pull the device down in an unpredictable way.

Drones are controlled by the following ways:

By a pilot on the ground, using the remote controller that allows the drone to be guided in real-time.

Self-controlled independently by programming the “on-board computer” or with remote control via software.

The drones are made of light weight composite material which have low weight and high strength. Military drones use high strength material that allows them to fly at high altitudes carrying armaments. Most large drones are equipped with a variety of modern technologies such as infrared cameras, GPS, sensors, night vision modes, etc.

Drones are used for a variety of applications. While many large ones are used for military purposes, the medium and small size drones are used for a variety of civilian applications. These include simple applications like outdoor photography, using them as toys for the children or more advanced applications like cleaning or painting tall structures, inspection of tall windmills with the help of installed cameras, firefighting, carrying urgent payloads like medicines to unreachable places, spraying pesticides in large agricultural fields, conducting surveys over large areas, etc.

Usage of drones is expected to increase in the coming years as technology becomes more advanced and the cost of drones comes down. They are likely to find use in domestic applications also.



Reference:
www.ctia.org

Nature Notes

HELP BIRDS THIS SUMMER - MAKE A BIRD BATH!

Summer is a tough time for all creatures - birds included. Give them some respite from the heat, by providing a 'Bird Bath'. A Bird Bath is a shallow, flat pan of water kept outside - for birds to quench their thirst and also splash in. A Bird Bath will not only help birds, it will also provide you the pleasure of bird watching!



A few simple tips to follow for making a Bird Bath:

- Choose a shallow pan - the depth must be under 2 inches. Flat plastic pans that are generally meant to keep under indoor plant pots to hold the excess water can serve the purpose.
- Keep the pan on a pedestal in open surroundings. A clay 2 foot length drainage pipe serves very well as a pedestal on which the pan can be kept.
- Keep the Bird Bath in open surroundings - if it is too close to a wall or bushes, birds may not feel safe coming to it.
- Replace the water every day to keep it fresh.



TREE OF THE MONTH

Flame of the Forest
(*Butea monosperma*)

Called Palash in Hindi and Moduga Chettu in Telugu - the blossoming of this tree is associated with the herald of spring. It is a familiar part of traditional Holi celebrations. The bright orange flowers when boiled in water leave behind a rich orange colour - which is used as a Holi colour. The leaves are used to make leaf plates.



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Ushodayam

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