



July, 2022

Monthly Insights

Department of
Information Technology



Articles

TIME MANAGEMENT

Sometimes we have so many things to do and a day seems to be too short, so we wish there are more hours in a day. On the other hand, when we are bored or doing something unpleasant, 24 hours feel like an eternity. Life is too short to waste our days and we should use each hour wisely. We all have the same amount of time but what we do with that time is entirely up to us. Time is more valuable than money. We can get more money, but we cannot get more time. Time is an invaluable asset and once lost cannot be reclaimed. That is why we must utilize our time in such a way, to get the maximum benefit out of it. Success only comes when a person utilizes his/her time effectively and efficiently.

Time management is important for people from all walks of life. Whether one is a student, a corporate worker, or a housewife, one should manage time efficiently to complete his tasks in an orderly manner. When we plan our tasks according to the time available to us, we will definitely be able to make better decisions and handle our work more efficiently. Stress and anxiety arise when we have a lot of tasks at hand, but there is conflict about where to start and how to go about them. If we prepare a list, prioritize our tasks and make a plan to complete them on time, we will be able to combat stress. A lot of time is wasted in thinking and planning what to do next. When we create a schedule to manage our time more efficiently, we already know what is to be done next and thus can provide more productivity.



Quick tips for efficient time management

1. **Start early:** It is always better to start your day a little early so that you have more time to invest in productive activities. However, saying that, you should not compromise your sleep.
2. **Make a to-do list:** You should plan your day first thing in the morning and the best way to do this is to create a to-do list. List your tasks based on your priority and start completing them one by one.
3. **Give Your Work Time:** Specify the time for each task on your list and make sure that you have completed them within the set time.
4. **Take a break:** Take a break of a few minutes in between two tasks and start the next task with greater motivation.
5. **Eat healthily:** It is essential to have a well-balanced diet to stay energetic throughout the day and for the most time you have.

Everyone has the same 24 hours, but how we use our time makes a difference. The people who start businesses, write books, build networks, and improve their career skills are not super-humans. They simply look at their calendars, carve out time to work on strategy, build relationships, and learn new information so that they get closer and closer to their goals. The success is sure to come when you **'PLAN YOUR WORK & WORK YOUR PLAN'**.



- Trupti Pawar, TE-IT

5G

What is 5G?

The 5th generation mobile network, 5G is a global standard for wireless networks that improves on the capabilities of 4G. 5G not only brings much faster connectivity speeds but also opens new use-cases in gaming, entertainment and other aspects thanks to its high bandwidth and low latency. 5G speeds can be up to 100 times faster than 4G speeds, allowing users to download feature-length movies in seconds and make use of more deeply connected technologies like Augmented Reality gaming.

5G in India

Airtel announced earlier this week that it will begin 5G services in India before the end of the month. Rival telco Reliance Jio is also rumoured to make an announcement regarding its upcoming 5G network on August 15.

5G networks: mmWave and sub-6GHz

There are two kinds of 5G networks, and they differ significantly. mmWave 5G is super fast and has the least latency, but its network is often limited to a small area. On the other hand, sub-6GHz 5G networks are slower (still very fast compared to 4G networks, though) but have more widespread network coverage. The 5G network will likely focus on sub-6GHz 5G, like many other countries. Sub-6GHz networks are ideal because of their long range and the network is easier to set up. Meanwhile, mmWave 5G, while superior requires users to be in close proximity of 5G signal towers. This also means that for widespread mmWave coverage, a lot more towers will be needed, which is not feasible for all areas.

List of smartphones in India that support 5G

Apple – iPhone 12 series, iPhone 13 series, iPhone SE 2022.

Samsung – Galaxy S-series (S20 and above), Galaxy Note-series (Note 20 and above), Galaxy S20 FE 5G, Galaxy S21 FE 5G, Select A-series, M-series models.

OnePlus – OnePlus 8-series, Oneplus 9-series, OnePlus 10-series, OnePlus Nord-series.

Xiaomi – Xiaomi 12-series, Xiaomi 11-series, Mi 10-series, Redmi Note 11 Pro+, Redmi Note 11T, Redmi Note 10T.

Poco – Poco F4 5G, Poco M4 5G, Poco M4 Pro 5G.

Oppo – Reno 8 series, Reno 7 series, Reno 6 series, Select Oppo A-series, K-series, F-series phones.

Vivo – V21, V21e, V23-series, T1-series, X60-series, X70-series, X80-series.

iQOO – iQOO 9 series, iQOO 7-series, iQOO Z5, iQOO Z6, iQOO Z6 Pro.

Realme – Realme GT series, Realme GT 2 series, Realme X7, Realme X7 Max, Realme X7 Pro, Realme Narzo 50 5G, Realme Narzo 30 5G, Realme 8/8s/8 Pro 5G, Realme 9/ 9 Pro 5G.



- Harshvardhan Gupta, SE-IT

Achievements

XIE, jointly organized with St. Francis Institute of Technology and St. John's College of Engineering a week-long Faculty development program on "Machine Learning: Basics to Advanced" from 01-07 July 2022 at SFIT. Prof. Meena Ugale was the coordinator for this program. The following faculty members from XIE successfully completed the FDP: Prof. Jaya Jeswani, Prof. Jyotsna More, Prof. Stella J, Prof. Martina Rodrigues, Prof. Amit Narote and Mr. Dharamraj Stalin. The participants were awarded certificates by Dr. Vinit Kotak from IEEE Bombay Section.

In matters relating to Higher Education, XIE continues to burnish the Xavier brand. The World Education Congress, an international independent body that gives recognition to institutions that serve any country in a special way, awarded XIE the 'Education Summit Award' for its initiative in bringing out "The Joy of Python," for being the first educational institute to install EV Chargers, and for offering many scholarships and short term technical programs for upskilling. The award ceremony was held at Taj Lands End Hotel, Bandra West on 7th July 2022.



Activities

Xavier Institute of Engineering organized an event called "Project Ideathon 2022" for final year students of the Computer, Electronics & Telecommunications and Information Technology Departments of the academic year 2022-2023 on 8th and 9th July 2022. The resource persons shed light on the domains of 'Cloud computing and data storage', 'Communication networking and security', 'Block chain and web-designing', 'IoT and embedded systems', and 'Machine learning and AI.' The event was conducted via Zoom and was co-ordinated by Prof. Suvarna Aranjio, Prof. Madhura Shirodkar, Prof. Lalita Moharkar, and Prof. Omprakash Yadav. The event helped the students get acquainted with the new technologies in research and come up with innovative and out of the box Project Titles



XIE organized an inter-collegiate football tournament named; “Loyola Football Cup” on Sunday, 24th July 2022 on the Main ground. A total of 8 teams from different Jesuit schools and colleges of the Bombay Province actively participated in the tournament Prof. Jaychand Upadhyay was the staff coordinator and Mr. Gaurav Vengurlekar was the student coordinator for this event.

The IT Department organised an orientation programme for BE-IT on 12th July 2022 at 9 am in LH5. Around 60 students attended. Prof Amit Narote, class teacher of BE IT, conveyed to the students the department's vision and mission, the subjects for the current semester, and a host of matters such as the conduction process for the internal assessment test, End Semester Exam, the schedules, defaulter list, parentteacher meeting, slow advanced learner activities, remedial classes, mentoring sessions, academic honour code etc. Prof. Suvarna Aranjo and Prof. Sulochana Devi encouraged students to actively participate in various activities and seminars to gain knowledge in the current fields of industry.



An orientation for TE IT was also organized on 12th July 2022 at 9:15 am in LH10. It was attended by 57 students. Prof. Jaya Jeswani, the class teacher, guided the students and Prof. Meena Ugale, head of the IT Department, and Prof. Martina D'souza instructed and encouraged students. The Internal Quality Assurance cell (IQAC) of XIE organized a one-day online workshop on “How to Write a Research Proposal” on 16th July 2022.



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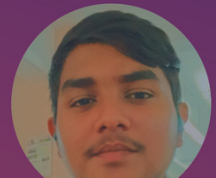
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