



## IT to support the new values of the EV

Electric vehicles (EVs) are becoming increasingly popular with consumers. These vehicles, which use electricity to power the engine, have the potential to change the way people live and work. For example, they can provide a clean alternative to conventional gasoline-powered vehicles. Additionally, they can provide a cost-effective solution to our current oil dependency. The new electric vehicle market is evolving rapidly. With the introduction of the new Tesla Model 3, the electric vehicle market has been shaken up. The Model 3 is expected to be the first mass-market electric vehicle. It's expected to be priced at around \$35,000, which is significantly less than other electric vehicles. This post explains about, information technology to support the new values of the EV and how can the IT systems support the EV.

Let's begin!

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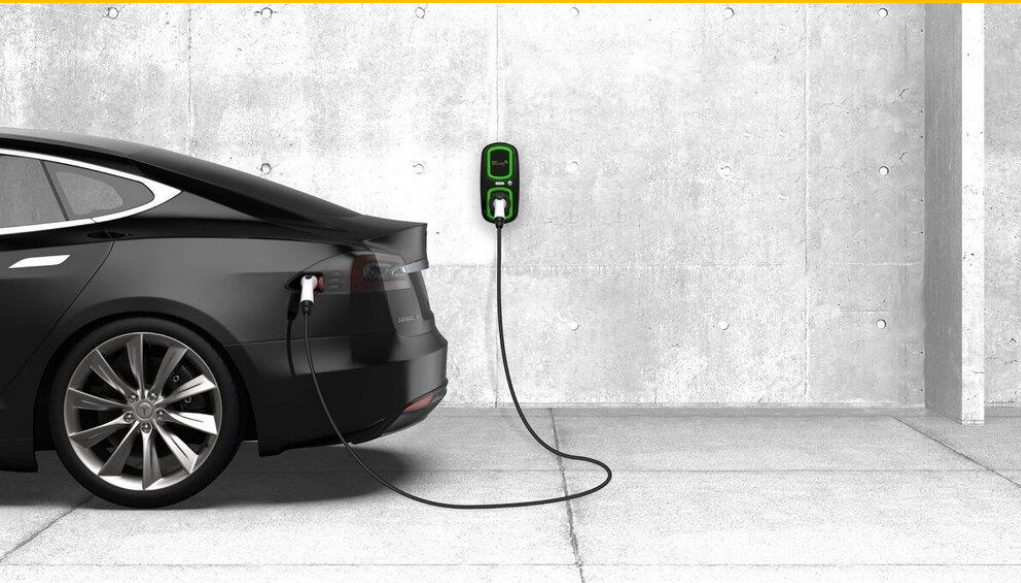
### What is the EV?

The acronym EV stands for an electric vehicle. An electric vehicle is a car that either partially or fully runs on electricity. Electric vehicles have several advantages as they run very smoothly and also are eco-friendly (carbon emission-free) automobiles because they use little or no fossil fuels.

### What Are the New Values?

There is a new breed of electric vehicle on the market today. These are not like your typical hybrid or electric car. They are truly electric vehicles (EVs). These vehicles are powered by electricity, not gasoline or diesel. EVs are designed to be faster, more efficient, and cleaner than traditional gas-powered cars.

In the past, the primary value of an electric vehicle was the fact that it was a green technology. However, as more and more people began to buy these vehicles, the value of being a green technology became secondary to the value of the product itself. The new value of



the electric vehicle is that it is smart technology. It is a smart technology because the data that it collects and stores can be used to help the customer make more informed decisions.

### What Does the EV Mean for the IT Systems?

We speak about how IT departments can prepare for the EV era. The move to electric vehicles (EVs) is accelerating. By 2040, analysts predict that EVs will represent 75 % of all new car sales in Europe and 54 percent globally. This shift will affect IT departments in several ways:

1. Infrastructure upgrades: Future-proof infrastructure with an eye on security and data protection.

2. Software updates: Make sure software applications are up to date and can communicate with EVs as they become more prevalent on the road.
3. Security vulnerabilities: Conduct security audits and have a clear plan in place to deal with potential vulnerabilities.

### How Can the IT Systems Support the EV?

The EV industry is still in its early stage. Better EV technology will be developed and the market will grow. In addition to traditional carbon-based fuels, hydrogen-powered fuel cells are emerging as a clean and renewable alternative. The IT technology

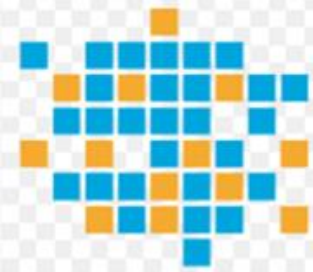
can help the EV industry to do better and faster by making use of new technology including big data, cloud computing, IoT, and AI. The IT infrastructure can achieve:

- Make charging your EV easier with mobile apps, charge your vehicle wherever you go.
- Reduce traffic jams with real-time information and control systems.
- Create better monitoring and maintenance system for EV battery health, and monitor the status of EV batteries remotely through the internet (IoT)
- Lower repair costs due to more efficient replacement parts management, replacement parts for EVs can be designed for specific vehicles.

### The Impact of Information

Technology on the EV  
As more and more EVs are being used in our daily lives, information technology becomes an indispensable part of EVs. The development of information technology has made it possible to collect a vast amount of electric vehicle-related information and to communicate with others





regardless of time and space. Information technology can be used to track electric vehicles. It can be used to monitor the electric vehicle’s performance, such as the number of kilometers that the electric vehicle travels, the speed, the battery life, and the charging status. Information technology can also be used to check whether the electric vehicle is damaged or not. Information technology can even be used to prevent electric vehicles from getting into accidents.



### **What Is the Future of the EV?**

The future of the EV is bright. EVs are already cheaper to own, compared to internal combustion engine vehicles, due to lower fuel and maintenance costs. With the growth of renewable energy resources, EVs will become even more affordable, as electricity prices are expected to decrease by 60% in the next 10 years. An Energy Information Administration report released in July 2013 states that the average household could save \$750 a year in fuel costs if they drive an EV instead of a comparable gas car.

The future of the EV is in full swing. The Nissan LEAF, the world’s best-selling EV, is available in more than 60 countries and over 50% of U.S. ZIP codes nationwide. The Chevy Bolt, widely known as the “Tesla Killer,” has established a firm position in the EV market with its 238-mile range and \$37,495 starting price tag. There have been numerous reports that Tesla’s chief Elon Musk is preparing to announce a new model called the Tesla Model 3 with a starting price of around \$35,000 before any incentives are taken into account.

### **Conclusion**

In conclusion, the EV market is expected to grow rapidly over the next few years. While the impact of this technology on society is still being determined, it is clear that the technology will be critical to the success of the new values that the EV is trying to bring to the world. to create a successful EV business, you need to understand the basic technology behind the vehicle, the different models of electric vehicles available, and how to choose the right one for your business. You also need to know how to create an EV business plan that will help you succeed.





### Apply for the Global IT Scholarship Program

Global Information Technology is proud to provide the GIT Scholarship Program. Every month, this scholarship will be awarded to highly driven individuals wanting to begin or advance their IT career. Exclusively, the scholarship will provide a grant of \$2,500.00 towards any certification course or remote live training at GIT. GIT created this opportunity to give back to the community and spread our desire to help those in need. We believe that learning is essential and we will continue to help and develop individuals to help them succeed in their personal development goals. Apply here:

<https://www.global-itech.com/the-global-it-scholarship/>



### Career Guide

#### Quick and to the point Career Advice

**Question:** *“Andrei, I’m trying everything over here to find a job and nothing seems to be working! Any unconventional advise you have to offer?”*  
*– Lucy Kay Smithson*

**Answer:** Lucy, you are not along. I actually have two things to off here .... First up:

#### Apply even if you're not a perfect fit

Many people underestimate their value to employers. They assume that only applicants who can meet every qualification get interviews. Many businesses need to fill vacant positions quickly, and they don't have time to search for candidates that have all the qualifications on a job listing. Companies may accept practical experience instead of a degree in the industry. Some employers also provide on-the-job training for those who may need to develop a new skill to complete certain tasks. When you're looking for jobs, apply for roles that may require more

experience or a slightly different skill set. Send a cover letter with your application that details how you're still a good fit for the role.

#### Research companies

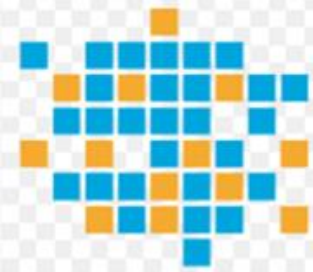
Doing some research about companies can help you decide whether you want to apply for positions with those businesses. Look at the company's website and employee reviews before you apply to see if you would be a good fit in their culture. Reading reviews from past and current team members can help you learn more about the day-to-day work in the company and employee engagement levels. Research can also help you impress your interviewer by demonstrating that knowledge. For example, you could tell an interviewer at a bank that you applied because the company's education programs show that employees care about helping people increase their financial success.

You got this ..... I can't wait to hear how things works out for you.

*- Andrei*







### GIT thought Provoking corner



“What's done is done. What's gone is gone. One of life's lessons is always moving on. It's okay to look back to see how far you've come but keep moving forward.”

— Roy T. Bennett, *The Light in the Heart*

### 2 Interesting facts about Artificial Intelligence

1. Google CEO Sundar Pichai claimed that artificial intelligence (AI) would be more transformative to humanity as a species than electricity and fire.
2. A McKinsey survey from 2021 found that 56% of companies have adopted AI in at least one function within the organization, which is an increase from 50% the year prior.
3. Global corporate investment in AI rose from 67.85 billion in 2020 to 93.5 billion in 2021.

### VETERANS, GET READY TO POWER YOUR TECH FUTURE AT GLOBAL IT

Global Information Technology (Global IT) is approved by the Department of Veteran Affairs to receive Veterans benefits. We accept Chapter 33 Post 9/11 GI Bill®, Chapter 30 Montgomery GI Bill® for Active Duty, Ch 31 Vocational Rehabilitation and Employment (VR&E), and VRRAP. Whether you are serving or have already served, Global Information Technology is here to work with you to start your IT career. These benefits may cover up to 100% of tuition and fees and housing allowance, courseware, and other training related costs as well.

The Department of Veterans Affairs (VA) is accepting new training program enrollments for veterans wishing to use their GI Bill benefits. These training programs help veterans get the technology skills they need to join some of the fastest-growing industries in the United States. Global Information Technology (Global IT) is approved by the Department of Veteran Affairs to receive benefits under the GI

Bill - Chapter 31 and Post-911 programs. Participating veterans will receive high-tech training, tuition, and housing allowance assistance).

For more information about your specific benefits in regards to your service, call 248-557-2480 to set up an appointment with one of our School Certified Officers (SCO) (career advisors) or complete the inquiry form at <https://www.globalitech.com/va-p>





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## G IT April 2024 Career Services Workshops

*Message from Jennifer Bowden, GIT's Career Services Manager*

Hello Global IT community! We are already on our 4<sup>th</sup> month into 2024 - see GIT's online calendar for April 2024 on information about our upcoming workshops, including:

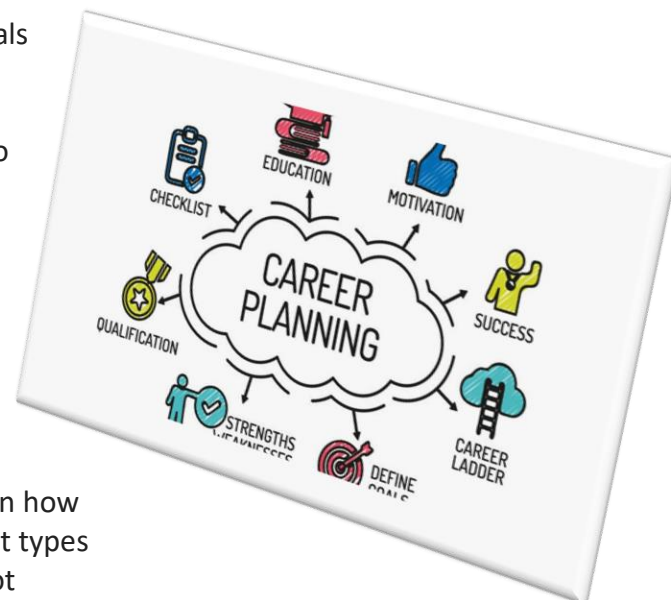
Global Information Technology is pleased to welcome Yugal Kishore Das, renowned author, speaker, and monk, who will be speaking on the topic of “Stress Management.” In addition to speaking extensively at corporations and universities around the world, he has mentored thousands of students and professionals in the art of stress management and work-life balance. His goal is to build like-minded communities and equip them with the tools to address the problems of the modern world.

Join GIT for this special workshop on Stress Management. You'll learn how to recognize the different types of stress and identify root causes, as well as learn

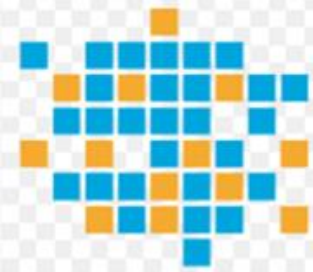
strategies for preventing and managing your stress.

Our Guest speaker Yugal Kishore Das has over 25 years' experience in this area. This workshop will be offered via Zoom but space is limited. Also, we'll be doing a 'Lunch and Learn' workshop on Tuesday, April 16 at 12pm EST on Creating a LinkedIn Profile.

RSVP today at <https://www.global-itech.com/> or [placement.services@global-itech.com](mailto:placement.services@global-itech.com) to reserve your spot.







### The importance of Information Technology in today’s world

What is the importance of information technology in today’s world? Not many people know it. However, many of the things we only once dreamed about are now made possible by information technology. Furthermore, a lot of things that we are presently enjoying for some time are now even better through IT.

#### What is Information Technology?

Information technology (IT) is

entailing the study and application of computers and any type of telecommunications that store, study, retrieve, transmit, manipulate data and send information. Information technology is involving a combination of hardware and software that is used to perform the significant tasks that people need and use on an everyday basis.

Importance of Information Technology in Today’s World  
Here are a few robust points that emphasize just the importance of information technology in the modern world.

#### 1. Increasing Productivity and Efficiency

Sometimes, you might find yourself complaining about how slow your internet is and how long your search results load. However, if you look back to the advent of IT, people were searching for hours in a library to find a book that contains just the information they need. Now, it only takes a few seconds or minutes if your internet is slow. We are now observing a tolerance to speed and efficiency. That too when the fastest search is not fast enough. This is only one instance of how information technology speeds things up for us. Thus, increasing our productivity and efficiency.

#### 2. Faster Communication

Another thing that information technology is making remarkable is communication. Within a few clicks or swipes, you’ve face-to-face connected with your mom from three states away.

It is making communication easily accessible, faster, and almost virtually free. Therefore, resulting in better connections between people and businesses. Also, several





businesses hinge on communication made possible with the aid of IT. For example, call centers and telecommunication companies. Connecting with other people for personal or business purposes is just a breeze, thanks to information technology. This is one of the major reasons why information technology is an essential aspect of almost all industries, as further discussed below.



### 3. Affecting all Work Environments

Almost everything nowadays is operating with the help of information technology. Nearly all industries are acknowledging the importance of information technology. Following are some of the sectors of society that IT is necessary.

### 4. Business

Go to any business establishment, and you'll certainly find them using managed IT services. Businesses are depending so much on IT systems for keeping things running smoothly. Departments from manufacturing to human resources are using information technology in their everyday operations.

The business sector is among the most that leverage information technology. Among the importance of information technology include:

- Providing technical support for customers and business operations
- Solving complex business concerns with advanced hardware and up-to-date software applications
- Enabling decision-making easier through data-driven data extracted from the latest tools
- Keeping all resources tidied up in one centralized place
- Providing maximum security for cloud data as well as online assets like the website
- Amplifying marketing efforts

through the use of digital marketing strategies

- Generally, making business operations efficient through the collective benefits of the above mentioned

### 5. Education

With the occurrence of distance learning around the world, especially since 2020, education is now observing how information technology can be a vital tool for academic success.

Lots of online learning platforms are sharing high-quality courses for self-development. Students can use knowledge base





by Papertyper to improve their college papers. Now, even universities and colleges are doing the same.

#### 6. Finance

Online purchasing, online banking, and even in-house transactions are possible with the help of IT. As a result, all financial institutions are requiring information technology. In addition, they are handling a lot of data. Hence, taking care of massive amounts of numbers. So, they are requiring the sort of technology that can ensure their data's safety and accuracy.

#### 7. Healthcare

Healthcare is evolving from pen-and-paper documentation to virtual filing. Patients' data, treatment protocols, hospital billing, consultations, and charting are now performed with the facilitation of computers.

IT is faster and more reliable than paper files since large amounts of data can be stored continuously. For instance, a patient can have records from birth until death, which healthcare providers and relevant personnel can easily take out and access with a quick search. Therefore, resulting in much more efficiency than

browsing through rusty file cabinets for termite-eaten folders.

#### 8. Security

With several data stored in technology, it can be disastrous if it falls into the wrong hands. However, on the other hand, it is helping to secure all of the data that a person or a company has through encryption and passwords.

#### Final Words

The importance of information technology in today's world is certainly undeniable. Although we are getting so accustomed to it that we sometimes take it for granted. It is undoubtedly clear whenever we encounter glitches that affect IT performance. Such as hardware and electricity problems.

