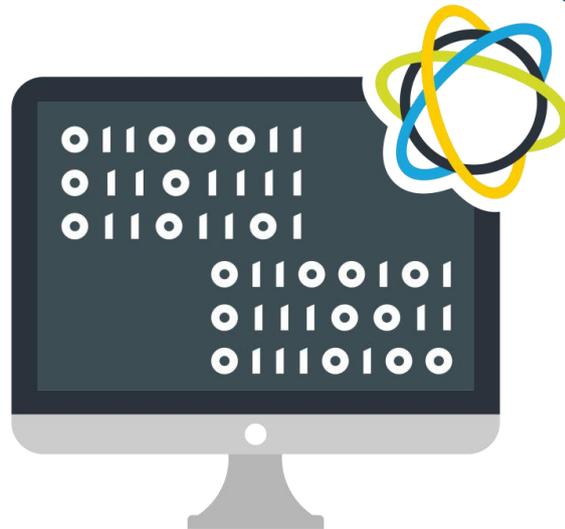




**Dyal Singh College**  
University of Delhi

**TECHNICAL NEWSLETTER  
COMPUTER SCIENCE  
SOCIETY**



**COMEST**

THE  
COMPUTER SCIENCE SOCIETY  
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**Volume 1  
Issue 1**

# SUCCESS STORY

## Sometimes, It takes Everything...

It is not in the hand of a person to become ordinary or extraordinary but it sure is a matter of choice. Yes, you heard it right, it is a matter of choice and Elon Reeve Musk (CEO of Tesla, Paypal and SpaceX) is definitely one of them who chose to become an extraordinary person. Born on 28 June 1971, Elon Reeve Musk is a South Africa born American entrepreneur and businessman whose ambitions are beyond the level of earth (to colonize Mars). Elon Reeve Musk started his business venture in 1999 with X.com and went on to establish Space X in 2002 and Tesla (Electric cars manufacturer) in 2003. The entrepreneurship journey was not easy with Tesla being the most difficult one where he has a direct competition with the leading petroleum companies of the world. The competition posed a number of hurdles. After all, he was starting up a company which will produce electric cars that can potentially make a huge dent to the petroleum business. At one point, due to Tesla's high cost of cars, it nearly collapsed in 2008, but Musk chose to bankrupt himself instead of the company by investing nearly all of his personal money which he got from the success of his previous company Paypal. "He sunk his last \$35 million dollars into the company" read the headline in New York Times.



SOURCE :- <https://images.dazeinfo.com/wp-content/uploads/2019/01/elon-musk-tesla.jpg>

On 23<sup>rd</sup> February 2010, Elon Musk admitted that he was broke which was also confirmed by his present ex-wife Justine Musk, quoted as saying "He had been living off personal loans from his friends since October 2009". The validation helped him raise a \$465 million dollar federal loan which the company used to get its cars in production line for which Tesla had already taken money by pre-bookings. But the loan payback was still an issue, for which he decided to go for the IPO of Tesla. Musk had never had a problem creating demand for the Tesla Model S. Now, Tesla, under the leadership of Elon Musk has finally hit its goal of producing 400 cars a week but this rate has to be maintained by the company to be financially sustainable. Even today, when he is asked about his various ventures from beginning till now, he starts crying while discussing the events.

"Persistence is very important. You should not give up unless you are forced to give up."

'Elon Musk'



Elon Musk

STORY BY:-

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### UPCOMING EVENTS ACROSS DELHI NCR

- *Artificial Intelligence and Future Technology*  
3rd-5th Feb,2019,  
Pragati Maidan,  
New Delhi  
<http://www.cii-logistics.in/interest.php>
- *Technical Workshop at IIT Delhi by Microsoft Technology Associate at*  
9<sup>th</sup>-10<sup>th</sup> Feb,2019  
<https://www.townscript.com/e/technical-workshop-series-at-iit-delhi-243102/booking>

## Artificial Intelligence

Artificial intelligence is the ability to create machine or a computer program which is capable of interacting with its environment and act upon the received data in the similar manner as humans do. For example, speech recognition, decision making, reasoning, learning and many more.

### Why do we need AI?

As computers are used almost in every sector, humans are highly dependent on it. Artificial Intelligence helps to make our daily work easy and quick without intervention of humans. Aim of AI is to create expert systems which have intelligent behavior with the capability to learn, think and to find solutions to complex problems, like, humans do.

#### Various Technologies use AI

- Robotic Processes Automation
- Machine learning
- Decision Management
- Deep learning
- Expert systems
- Natural language processing

#### We have achieved a lot through Artificial Intelligence like:

Driverless Cars, allowed by Queen Victoria to be on roads of England. Composing music, Song "Not Easy" is composed using AI by composing different music elements.

The most common, we use in day-to-day like i.e. Siri, Alexa and Google assistant. Most common products of AI we use are for easing our life.



### ROBOTICS

The first thing that comes in our mind when someone mentions "ARTIFICIAL INTELLIGENCE" is a ROBOT. Robotics is the branch of Artificial Intelligence in which Electrical Engineering, Mechanical Engineering, and Computer Science perform main function for designing, constructing, and providing application to robots.

#### How are these aspects involved?

Mechanical Engineering provides the form, or shapes the design to perform task.

Electrical Components give power and control the machinery.

Computer Programming determines what, when, and how to do something.

### Bad and the Scary

- Robots will do better than us.
- Global arm race for AI will cause World War Three.
- AI is a greater risk than North Korea.
- AI is a fundamental risk to the existence of Human Civilization.
- Governments will force companies to turn over AI tech at gunpoint.
- AI can turn out to be the best or the worst thing for human civilization.

#### Let's now learn about how AI is used in Robotics

Robots are the machines which work on programs to perform task in the physical environment. Their aim is to manipulate objects by pursuing, moving, modifying physical properties of the object without getting bored or distracted to enhance the work and raise the growth in field they are being used.

Rittik Bansal, Sem II  
B.Sc. Phy. Sc (Computer Sc.)

References : - Link for Article of Elon Musk [https://www.tutorialspoint.com/artificial\\_intelligence/artificial\\_intelligence\\_robotics.htm](https://www.tutorialspoint.com/artificial_intelligence/artificial_intelligence_robotics.htm)

<https://www.cnbc.com/2017/12/18/9-mind-blowing-things-elon-musk-said-about-robots-and-ai-in-2017.html>

[http://www.robot.bmstu.ru/files/books/\(\(Ebook%20-%20English\)%20Mcrcaw-Hil,%20Pic%20Robotics%20-%20A%20Beginner'S%20Guide%20To%20Robotic.pdf](http://www.robot.bmstu.ru/files/books/((Ebook%20-%20English)%20Mcrcaw-Hil,%20Pic%20Robotics%20-%20A%20Beginner'S%20Guide%20To%20Robotic.pdf)

# QUIZ SECTION

- 1) Name the first Internet search engine.
- 2) Which IT company's nickname is 'The Big Blue'?
- 3) What is the extension type of the Excel 2007 files?

- 4) Full form of the term CSS?
- 5) A Folder in windows cannot be made with the name \_\_\_\_\_.
- 6) In which year '@' sign was first chosen for its use in e-mail addresses?

- 7) Which spectrum is used by Bluetooth?
- 8) Which Protocol is used to send email?
- 9) What is the default port of SMTP?

10) For most computers, the bootstrap is stored in \_\_\_\_\_.

11) The OS X has \_\_\_\_\_ kernel.

12) A hard disk is divided into tracks which are further subdivided into \_\_\_\_\_.

13) The code segment that misuses its environment is called a \_\_\_\_\_.

14) 802.11 describes \_\_\_\_\_ network.

15) Photoshop is a \_\_\_\_\_.

16) Which device is used to connect two systems, especially if the systems use different protocols?

17) What is the size of IP Address in IPV6?

18) The smallest version of optical disk can store?

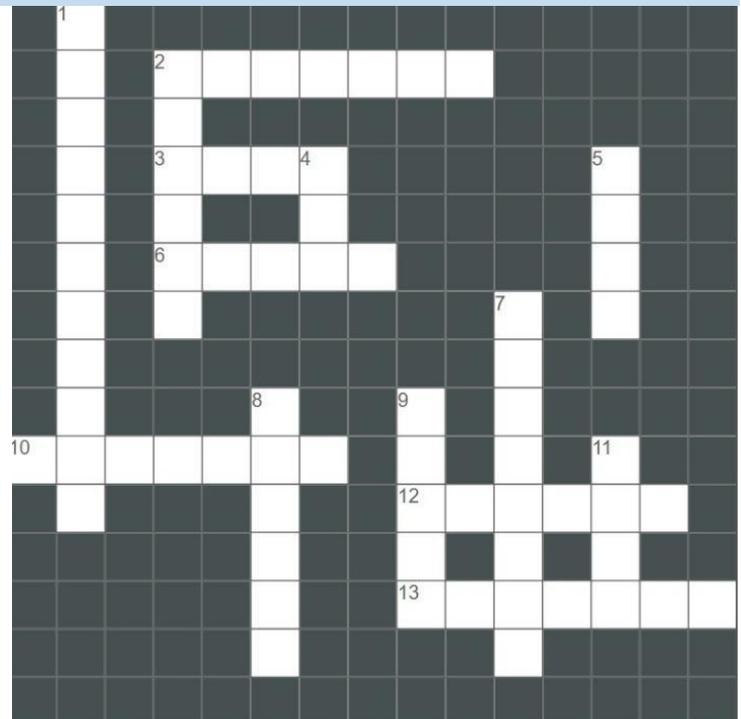
# CROSSWORD

## ACROSS

2. Communication system
3. Online Journal
6. Open Source OS
10. Web Surfer's Software
12. Cope with Broken Windows
13. Stop Temporarily

## DOWN

1. Main circuit card in a Computer
2. Half a Byte
8. Computer Capacity
4. Graphics Card
9. Computer Invader
7. Collection of Digital Information
5. Unwanted Mail
11. To \_\_\_ is to Program



Crossword Answers  
 Across : 2. NETWORK 3. BLOG 7. DATABASE 10. BROWSER  
 12. REBOOT 13. SUSPEND  
 Down : 1. MOTHERBOARD 2. NIBBLE 8. MEMORY 4. GPU 9. VIRUS  
 6. LINUX 5. SPAM 11. CODE

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# IT NEWS

## Amazon India pulls down products from Cloudtail, Appario as new rules kick in...

All of Amazon's private label products save for its Kindle e-readers and Fire Stick are now tagged as "Currently Unavailable" on Amazon.in.



## India adds to Facebook's daily user growth in December..

Facebook saw its base of daily users growing 9% to 1.52 billion in the December quarter, led by growth in markets like India, Indonesia and the Philippines, the social networking giant has said.



## Microsoft aims to democratise Artificial Intelligence: Rajiv Sodhi

Microsoft will launch AI labs in Indian schools in near future, he added without divulging details.



## FDI rules may take away 50% of Amazon, Flipkart's businesses

As per the new rules, entities like Cloudtail and Appario Retail, which sell on Amazon and have equity participation from the US e-commerce major, will not be allowed to sell on the platform.



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