

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY



K.S.R. KALVI NAGAR, TIRUCHENGODE – 637 215.

DEPARTMENT of INFORMATION TECHNOLOGY

DIGITIMES

VOLUME 1 | ISSUE 1

DIGITA

strengthens the world

Diligent Innovative Gallants IT Association



KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Vision

To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship.

Mission

M1	Accomplish quality education through improved teaching learning process
M2	Enrich technical skills with state of the art laboratories and facilities
M3	Enhance research and entrepreneurship activities to meet the industrial and societal needs

DEPARTMENT OF INFORMATION TECHNOLOGY

Vision

To produce competent Information Technology Professionals and Entrepreneurs with ethical values to meet the global challenges.

Mission

MD1	Impart quality education with ethical values in Information Technology through improved teaching learning process
MD2	Provide an ambient learning environment using state of the art laboratories and facilities
MD3	Encourage research and entrepreneurship activities to meet the dynamic needs of Information Technology industry and society

Program Educational Objectives (PEOs)

PEO	Key Words	Description
PEO 1	Core Competency	Graduates will be successful professionals in career by applying the knowledge of mathematics, science and engineering with appropriate techniques and modern tools.
PEO 2	Professionalism	Graduate will exhibit soft skills, professional and ethical values and thrust for continuous learning to maintain professionalism in the IT industries.
PEO 3	Higher Studies and Entrepreneurship	Graduates will engage in higher studies and outshine as entrepreneurs through life-long learning which leads to societal benefits.

DIGITIMES

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Editorial

We would like to wholeheartedly thank our honorable Chairman, **Lion.Dr.K.S.Rangasamy** and vice chairman **Mr.R.Srinivasan**, and Principal **Dr.M.Venkatesan** for their continuous encouragement and constant support for bringing out the magazine. We profoundly thank our Head of the Department **Dr.P.MeenakshiDevi** for encouraging and motivating us to lead the magazine a successful one right from the beginning. DIGITIMES serves as a platform for updating and enhancing upcoming technologies in Information Technology. We are also grateful to all the contributors and faculty coordinator to bring this magazine.

**By,
Editorial Board**

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REMOTE DESKTOP CONTROL

Remote Desktop Control displays the screen of another computer (via Internet or local area network) on your own screen. The program allows you to use your mouse and keyboard to control the other computer remotely. It means that you can work on a remote computer, as if you were sitting in front of it, regardless of distance between computers.



How to get the system to work

Remote Desktop Control is very easy to deploy. Just follow these few steps and you will get the system to work:

1. Go to the computer you want to control, it is a Host Computer. Install the Host Module (or both modules) of Remote Desktop Control product there.
2. Go to your own PC, it is Admin Computer. Download a setup package and install at least the Admin Module. The installation package is the same and contains admin and host modules together.

3. Start the Admin Module on your PC via the desktop shortcut or Start menu. Add the host computer IP address to the address book. In some cases you have to use Internet gateway.
4. Connect to the remote computer using the "Connect" button.
5. You may use "View Only" button to observe what is going on the remote PC.
6. Press the "Full Control" button and control the remote PC with your mouse and keyboard. Use "Remote Screen Window" which appears or switch to a full screen mode.

-- K.KOKILA, III Year - IT

iOS 7

The new Operating System iOS 7 for Apple Devices has got smooth and responsive User Interface and it is designed for iPhone 5S though iPhone 4 and 5 users can experience this operating system by upgrading. This Apple Product has also got new camera features with new sensors, so that the user can edit by the use of inbuilt photo editing tools and share the photos within seconds. Over all, iPhone has Rich user experience, Multi-tasking at its peak, highly secured operating System.

--G.Karthikeyan, III Year – IT

BLUETOOTH LOW ENERGY

Bluetooth low energy, Bluetooth LE, or BLE, marketed as Bluetooth Smart, is a wireless computer network technology designed and marketed by the not-for-profit, non-stock corporation Bluetooth Special Interest Group which is aimed at novel applications in the healthcare, fitness, security and home entertainment industries. Compared to "Classic Bluetooth", BLE is intended to provide considerably reduced power consumption and cost while maintaining a similar communication range.

Mobile operating systems including iOS, Android, Windows Phone and BlackBerry, as well as OS X and Windows 8, natively support Bluetooth low energy. The Bluetooth SIG predicts more than 90 percent of Bluetooth-enabled smart phones will support the low energy standard by 2018.

Compatibility

Bluetooth low energy is not backward-compatible with the previous, often called Classic, Bluetooth protocol. The Bluetooth 4.0 specification permits devices to implement either or both of the LE and Classic systems. Those that implement both are known as Bluetooth 4.0 dual-mode devices. Bluetooth LE uses the same 2.4 GHz ISM band radio frequencies as Classic Bluetooth, which

allows dual-mode devices to share a single radio antenna. LE does, however, use a simpler modulation system.

How is Bluetooth 4.0 Different?

This generation of Bluetooth is split into two groups: Bluetooth Smart Ready and Bluetooth Smart. To understand why the tech has been split, you first have to look at the challenges facing Bluetooth as we know it. Those challenges are battery drain and the constant pairing and re-pairing of connected gadgets.

--R.DIVYA, III Year – IT

POLLUTION MONITORS - CITISENSE

Scientists from the University of California have developed a small smart phone add-on for monitoring air pollution. The system uses an app called CitiSense to collect data from the sensors and allows a picture of air quality to be built. This can then be viewed not just with the sensors, but other users as well.

--C.KARTHICK, III Year – IT

EYE TRIBE

Eye tracking has been actively discussed by technology enthusiasts throughout these Years, but it's really challenging to implement. But Eye Tribe actually did this. They successfully created the technology to allow you to control your tablet, play flight



simulator, and even slice fruits in Fruit Ninja only with your eye movements. It's basically taking the common eye-tracking technology and combining it with a front-facing camera plus some serious computer-vision algorithm.

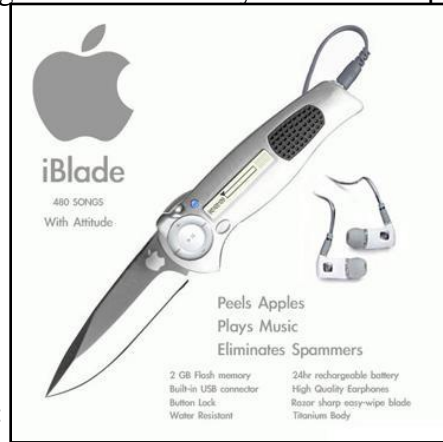
-- V.Shenbaga Kavitha, III Year – IT

OCULUS RIFT

Virtual Reality gaming is here in the form of Oculus Rift. This history-defining 3D headset lets you mentally feel that you are actually inside a video game. In the Rift's virtual world, you could turn your head around with ultra-low latency to view the world in high resolution display.

APPLE iBLADE

Apple has noticed the rise in sales of self-protection items like guns and knives. With the holidays teetering around the corner, Apple is making damn sure they also have products for the paranoid.



iBlade Features:

- Holds up to 480 songs
- 2GB flash memory
- 24hr rechargeable battery
- Built in USB connector
- Button Lock
- Water Resistant
- High quality earphones
- Razor sharp, easy-wipe blade
- Titanium body

-- K.S.KARTHI PRIYANGA, III Year – IT

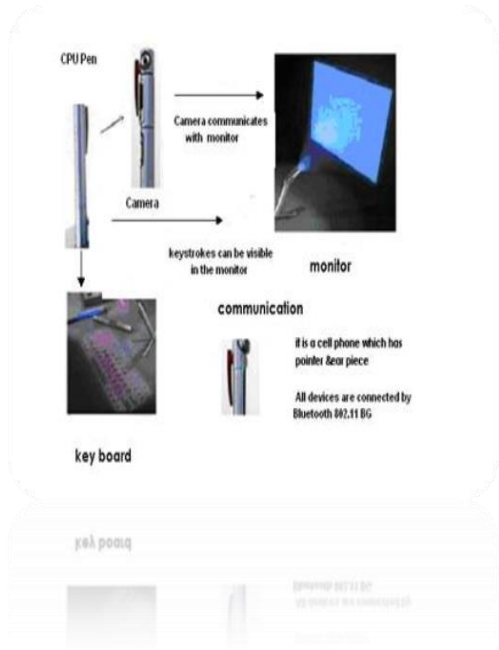
Wi-Vi

Want X-ray vision like the man of steel? A technology that lets you see behind walls could soon be built in to your cell phone. MIT professor Dina Katabi and graduate student Fadel Adib have announced Wi-Vi, a demonstration of a technology that uses Wi-Fi to allow a viewer to "see" a person moving behind a wall. (Wi-Vi stands for "Wi-Fi" and "vision.")

--RISIKESAVAN , III Year - IT

802.15.4 – ZIGBEE

ZigBee is a wireless technology developed as an open global standard to address the unique needs of low-cost, low-power wireless M2M networks. The ZigBee standard operates on the IEEE 802.15.4 physical radio specification and operates in unlicensed bands including 2.4 GHz, 900 MHz and 868 MHz.



The specification is a packet-based radio protocol intended for low-cost, battery-operated devices. The protocol allows devices to communicate in a variety of network topologies and can have battery life lasting several Years.

The ZigBee Protocol:

The ZigBee protocol has been created and ratified by member companies of the ZigBee Alliance. Over 300 leading semiconductor manufacturers, technology firms, OEMs and service companies comprise the ZigBee Alliance membership. The ZigBee protocol was designed to provide an easy-to-use wireless data solution characterized by secure, reliable wireless network architectures.

ZigBee Applications:

ZigBee enables broad-based deployment of wireless networks with low-cost, low-power solutions. It provides the ability to run for Years on inexpensive batteries for a host of monitoring and control applications. Smart energy/smart grid, AMR (Automatic Meter Reading), lighting controls, building automation systems, tank monitoring, HVAC control, medical devices and fleet applications are just some of the many spaces where ZigBee technology is making significant advancements.

Digi ZigBee Technology

Digi is a member of the ZigBee Alliance and has developed a wide range of networking solutions based on the ZigBee protocol. XBee and XBee-PRO modules and other XBee-enabled devices provide an easy-to-implement solution that provides functionality to connect to a wide variety of devices.

--G.Karthikeyan, III Year – IT

5 PEN PC TECHNOLOGY

5 Pen PC Technology is a gadget package including five functions: a pen-style cellular phone with a handwriting data input function, virtual keyboard, a very small projector, camera scanner, and personal ID key with cashless pass function. 5 Pen PC Technology are connected with one another through short-range wireless technology. The whole set is also connected to the Internet through the cellular phone function. This personal gadget in a minimalist pen style enables the ultimate ubiquitous computing.

-- DIVYABHARATHI, III Year – IT

BLUE BRAIN

Blue brain is the name of the world's first virtual brain. That means a machine that can function as human brain. Today scientists are in research to create an artificial brain that can think, response, take decision, and keep anything in memory.

The main aim is to upload human brain into machine. So that man can think, take decision without any effort. After the death of the body, the virtual brain will act as the man. So, even after the death of a person we will not lose the knowledge, intelligence, personalities, feelings and memories of that man that can be used for the development of the human society.

It is possible using small robots or nanobots. These robots will be small enough to travel throughout our circulatory system. Traveling into the spine and brain, they will be able to monitor the activity and structure of our central nervous system. IBM is now in research to create a virtual brain. It is called Blue brain. If possible, this would be the first virtual brain of the world.

-- S.KARTHIPRIYANGA, III Year – IT

A POEM FOR MOM

You are the sunlight in my day,
You are the moon I see far away.
You are the tree I lean upon,
You are the one that makes troubles be gone.

You are the one who taught me life,
How not to fight, and what is right.
You are the words inside my song,
You are my love, my life, my mom.

You are the one who cares for me,
You are the eyes that help me see.
You are the one who knows me best,
When it's time to have fun and time to rest.

You are the one who has helped me to dream,
You hear my heart and you hear my screams.
Afraid of life but looking for love,
I'm blessed for God sent you from above.

You are my friend, my heart, and my soul
You are the greatest friend I know.
You are the words inside my song,
You are my love, my life, my Mom.

--KOKILA.K, III Year – IT

A WOMAN'S WORTH

She gave life. She is a wife.
She is a mother and she is a friend.
She is a sister a survivor to the end.

Appreciate her, we don't dare.
Ask her worries, we don't care.
Wipe away her tears, they are invisible as air.

She works cooks and clean.
She laughs, helps comfort, and hides her pain.
When you struggle she pulls you through

All this is she and what do we do?
Complain and create a mess.
Provide stress and leave her feeling depressed.
Push her away and ignore her advice.
Tell her she is nothing without thinking twice.

She was raped tortured and abused.
Told she was nothing and would always be used just for pleasure
forget her pain.

She swallows her pride, put her feelings aside.

Does as you need in order for you to be free.

Ignores your ignorance and tolerates your flaws.

You call her Bitch, Slut, Hoe and Tramp

She answers with pride dignity and a complete loss of self.

You call her nothing.

I call her Strong, Smart, Sensual, Caring, Giving, Surviving,

Tolerant and powerful

I call her WOMAN!

-- M.Manimekalai, III Year – IT

ARTIFICIAL HEART



An artificial heart is a mechanical device, about the size of an orange that is connected to your heart or implanted in your chest to help or replace a failing heart. It may have several valves, a mechanism to propel blood forward, and one or more chambers. Sometimes an artificial heart may help your heart temporarily, until yours recovers.

-- DIISHATH S.G., III Year - IT

A HOUSE THAT WALKS

A new prototype house walked around the campus of the Wysing Arts Centre in Cambridgeshire, England. The eco-friendly house is powered by solar

cells and miniature windmills, and comes with a kitchen, a composting toilet, a system for collecting rain water, one bed, a wood stove for CO₂ neutral heating, a rear opening that forms a stairway entrance, and six legs. A collaborative effort between MIT and the Danish design collective N55, the house walks about five kilometers an hour similar to the walking speed of a human. The legs require a software algorithm to calculate the movement and position of the legs to provide stability over varying terrain. The house can turn, move forward or backwards, or change height as required and can be programmed with GPS waypoints for traveling to destinations.

WATER DROP LENS

Physicist and inventor, Bruno Berge, has created a liquid optical lens. Using a process known as electro-wetting, a water drop is deposited on a metal substrate and covered by a thin insulating layer. When a voltage is applied to the

metal, it modifies the angle of the liquid drop. The liquid lens is comprised of two liquids, water and oil, one is a conductor while the other is an insulator. A variation in the voltage causes a change to the curvature of the liquid to liquid interface, which changes the focal length of the lens. The use of liquids allows for low cost construction. There are no moving parts and electrical consumption is extremely low. The lens has a large inverse focal length range, quick response, high optical quality and can operate in a wide temperature range.

-- S.Saravanan, III Year – IT

WINDOWS LATEST BROWSER

Internet Explorer 10 is the browser built for touch—now with larger tabs, simpler controls, and fluid response to gestures.



Search

Search the web right from the address bar. Just enter a search term or URL to start browsing.

Fluid

Internet Explorer brings the web to life with rich, app-like experiences, stunning graphics, and more beautiful browsing.

Stay safer as you browse

Help protect your PC. Industry-leading Smart Screen Filter helps protect your PC from malware and other mischief makers. Internet Explorer blocks 99.96% of socially engineered malware. Internet Explorer blocks 99.96% of socially-engineered malware.

Wherever web

Wherever you are, Internet Explorer is the ideal way to play games, catch up on your reading, watch videos, and browses the web, of course. Use fast and fluid Internet Explorer across all your Windows devices—tablet, Windows Phone, and TV with an Xbox with an Xbox Live Gold subscription.

--R.Ramesh, III Year - IT

A WONDERFUL MOTHER

God Made a Wonderful mother,
A Mother who never grows old,
He made her smile of the sunshine,
And he molded her heart of pure gold,
In her eyes he placed bright shining stars,
In her Cheeks, fair roses you see,
God made that wonderful mother,
And he gave that dear mother to me.

--R.Vinith III Year - IT

FACTU FACTU FACTU...,

- 1.A mole can dig a tunnel 300 feet long in just one night.
- 2.When glass breaks, the cracks move at speeds of up to 3,000 miles per hour.
- 3.Over 2,500 left handed people are killed a Year from using right handed product during.
- 4.Queue is the only word in English that gives the same pronunciation while removing the last four letters.
- 5.On an average a normal human being will spend 25 Years of his lifetime in sleep.
- 6.There are more than 1000 chemicals in every cup of coffee.
- 7.If you slowly pour a handful of salt into a fully filled glass of water it will not overflow rather the water level goes down.
- 8.Humans are the only mammal that cannot swallow and breathe at the same time.
- 9.Between 1931and 1969 Walt Disney was awarded 35 Oscars.
10. A car travelling at 80km/h uses half its fuel to overcome wind resistance.
11. During our lifetime we will produce enough saliva to fill two swimming pools.
12. The storage capacity of the brain is approximately 1000 terabyte.

--M.DINESH, III Year – IT

LEAP MOTION

Multi-touch desktop is a (miserably) failed product due to the fact that hands could get very tired with prolonged use, but Leap Motion wants to challenge this dark area again with a more

advanced idea. It lets you control the desktop with fingers, but without touching the screen.



It's not your typical motion sensor, as Leap Motion allows you to scroll the web page, zoom in the map and photos, sign documents and even play a first person shooter game with only hand and finger movements.

The smooth reaction is the most crucial key point here. If this device could completely work with Oculus Rift to simulate a real-time gaming experience, gaming is going to get a major make-over.

-- R.SENTHIL KUMAR III Year – IT

GOOGLE DRIVERLESS CAR

The **Google driverless car** is a project by Google that involves developing technology for autonomous cars. The software powering Google's cars is called Google Chauffeur. Google's robotic cars have about \$150,000 in equipment including a \$70,000 LIDAR (laser radar) system. The range finder mounted on the top is a Velodyne 64-beam laser. This laser allows the vehicle to generate a detailed 3D map of its environment. The car then takes these generated maps and combines them with high-resolution maps of the world, producing different types of data models that allow it to drive itself.

While the data source is still a secret recipe, the Google driverless car is powered by artificial intelligence that utilizes the input from the video cameras inside the car, a sensor on the vehicle's top, and some radar and position sensors attached to different positions of the car. Sounds like a lot of effort to mimic the human intelligence in a car, but so far the system has successfully driven 1609 kilometres without human commands!

--P.RAMYA & M.AGALYA, III Year – IT

GOOGLE FIBER

Google Fiber is Google's fiber-to-the-premises service in the United States, providing broadband internet and television to a small but growing number of locations. The initial location was chosen following a competitive selection process. Over 1,100 communities applied

The average computer user blinks 7 times a minute, less than half the normal rate of 20



to be the first recipient of the service. On March 30, 2011, Google announced that Kansas City, Kansas,

would be the first community where the new network would be deployed. In July 2012, pricing for Google Fiber was announced. The internet service includes one terabyte of Google Drive service and the television service includes a two terabyte DVR recorder in addition to the Google Drive service. The DVR will record up to eight live television shows simultaneously. The television options also include a Nexus 7 tablet that will act as a remote control for the system. In addition, television service will also stream live program content on iPad and Android tablet computers.

--S.KIRUTHIGA, III Year – IT

NEAR FIELD COMMUNICATION

Near Field
Communication

(NFC) is a wireless
technology that allows
for very short range
communication

between just two
devices. The general

idea of NFC is that you have a target, which is usually an inanimate object of some kind, like a library book or credit card, and a reader, which reads data from the target. Targets don't require power they don't need batteries which is why they can be embedded in inanimate objects. The target, believe it or not, gets its power from a nearby reader; it extracts power from the wireless signal, "turns on," and then sends data back to the reader.



*On an average work day, a typist's
fingers travel 12.6 miles*



MATH MAGIC

$$1 \times 8 + 1 = 9$$

$$12 \times 8 + 2 = 98$$

$$123 \times 8 + 3 = 987$$

$$1234 \times 8 + 4 = 9876$$

$$12345 \times 8 + 5 = 98765$$

$$123456 \times 8 + 6 = 987654$$

$$1234567 \times 8 + 7 = 9876543$$

$$12345678 \times 8 + 8 = 98765432$$

$$123456789 \times 8 + 9 = 987654321$$

PARENTS

The ladders for our success

Great treasures to possess

They are our dears,

So, keep them with cheers

And never in "Tears".

--N.SHANTHINI, III Year – IT

RIDDLES

1. I am the beginning of the end and end of time and space. I am essential for creation, and I am surrounded in every place. What am I?
2. Which building has the most stories?
3. The more you take away, the larger it becomes? What is it?
4. You can keep it only after giving it away to someone else what is it?

Answers:

1. The letter, e, End, time, space, every place,
2. Library
3. A hole
4. Your word

ARE YOU SMART?!!!

Answer the Questions below:

1. You are in the race, If you overtake the second person, which place are you in?

ANS: If your answer is first place, you are in unconscious state. If you overtake the second person, you are in second place.

2. If you overtake the last person, then which place are you in?

ANS: If your answer is last, you are the fool. If he/she is last place, how can you overtake the last person.

--M.PRABHA, II Year IT

Linux Mint

Linux Mint is a “straight out of the box” operating system which does not need to install any extra software. Setting up the internet is a breeze as is installing peripherals.

There are a number of different desktop environments available for Linux Mint including Cinnamon, MATE, XFCE and even KDE.

CROSSWORD PUZZLE

Identify the following words from the grid:

R	B	B	Q	M	J	O	U	N	B
G	J	O	V	F	W	K	E	L	F
X	O	Y	C	H	J	D	U	R	G
Q	Q	T	I	R	R	E	E	D	Q
M	F	T	W	C	I	D	G	J	Q
R	E	P	P	G	N	Q	F	F	H
B	Q	I	O	S	R	C	M	Q	W
F	Z	N	D	B	L	A	C	K	I
V	N	K	G	R	E	E	N	Y	C
H	Y	B	I	V	E	N	S	T	V

1. **BLACK**
2. **BLUE**
3. **GREEN**
4. **PINK**
5. **RED**
6. **WHITE**

DO YOU KNOW?The Facebook logo, consisting of the word "facebook" in white lowercase letters on a blue rectangular background.

Facebook is an online social networking service. Its name comes from a colloquialism for the directory given to students at some American universities.

- Founded: February 4, 2004, Cambridge, Massachusetts, United States
- Headquarters: Menlo Park, CA, USA
- CEO: Mark Zuckerberg
- Founders: Mark Zuckerberg, Dustin Moskovitz, Eduardo Saverin, Andrew McCollum, Chris Hughes
- Employees: 6,337 (December 2013)

Written in C++ and PHP



Microsoft Corporation is an American multinational corporation headquartered in Redmond, Washington, that develops, manufactures, licenses, supports and sells computer software, consumer electronics and personal computers and services.

- CEO: Satya Nadella
- Founded: April 4, 1975, Albuquerque, New Mexico, United States
- Headquarters: Redmond, WA, USA
- Founders: Bill Gates, Paul Allen
- Employees:100,932(2013)

YAHOO!

Yahoo! Inc. is an American multinational Internet corporation headquartered in Sunnyvale, California.

- CEO: Marissa Mayer
- Founded: January 1994
- Headquarters: Sunnyvale, CA, United States of America
- Founders: Jerry Yang, David Filo
- Employees: 11,700 (2013)

Google

Google is an American multinational corporation specializing in Internet-related services and products. These include search, cloud computing, software, and online advertising technologies. Most of its profits are derived from AdWords.

- Founded: September 4, 1998
- Headquarters: Mountain View, CA, USA
- CEO: Larry Page
- Founders: Larry Page, Sergey Brin
- Profit:US\$ 12.92 billion
- Employees :47,756 (2013)
- Founded:Menlo Park, California (1998)

--S.VIVEK, III Year – IT

EPG (EMOTIONAL PROFILE GRAPH)

EPG collects and measures a unique emotional input from the user. Virtually feel, senses and express those desires. Unique EM rating system allows cube to rate media played based on our personalized motion. This data is permanently recorded in the cube. An emotional stimulus is stored within the memory bank. Stored data are emotional patterns or finger prints. It develop conversational understanding based on the context of your interaction. Cubes connect with each other through social media shares similar media.

-GEETHAMANI-III Year/IT

CROSS WORD

		1				2					
									3		
		4		5				6			
	7	8									9
10											
								11			
					12						
13											
14									15		
		16									

DOWN	ACROSS
1. Malicious code 2. An operating system 3. This key erases 5. Displays 4. Random access memory 6. The key that gives the capital alphabets 7. Software 8. Stores data	9. A list of commands 10. Text editor 11. Little picture that represents the files 12. A click on it 13. Takes to the end of the page 14. Output device 15. Software process model 16. Board with keys

Answers

1. Virus	5. Monitor	9. Menu	13. End
2. Windows	6. CAPS	10. Notepad	14. Printer
3. Backspace	7. Photoshop	11. Icon	15. RAD
4. RAM	8. Hard disk	12. Mouse	16. Key Board

RIDDLES

1. I am the beginning of the end and end of time and space. I am essential for creation, and I am surrounded in every place. What am I?
2. Which building has the most stories?
3. The more you take away, the larger it becomes? What is it?
4. You can keep it only after giving it away to someone else what is it?

Answers:

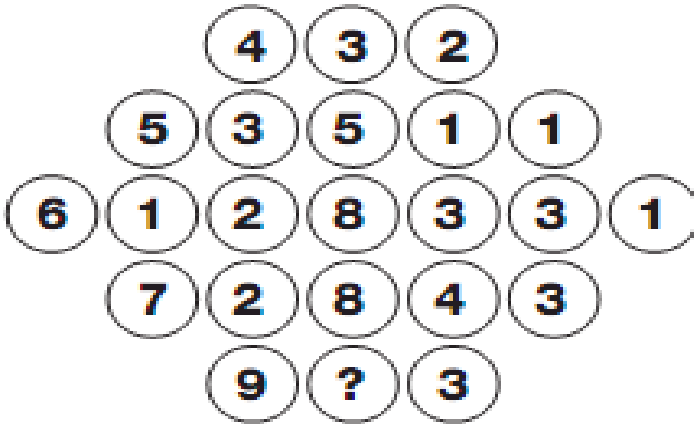
1. The letter, e, End, time, space, every place,
2. Library
3. A hole
4. Your word

ADOBE AFTER EFFECTS

Adobe After Effects is a digital visual effects, motion graphics, and compositing application developed by Adobe Systems and used in the post-production process of filmmaking and television production. After Effects can be used for keying, tracking, compositing and animation. It also functions as a very basic non-linear editor, audio editor and media transcoder

PUZZLE

What number comes inside the circle?



Answer

6

Explanation

Looking at the diagram in rows, the central circle equals half the sum of the numbers in the other circles to the left and right of the centre.

--V.SURIYA & P.KEERTHANA, III Year - IT

BERMUDA TRIANGLE

The Bermuda Triangle, also known as the Devil's Triangle, is an undefined region in the western part of the North Atlantic Ocean, where a number of aircraft and ships are said to have disappeared under mysterious circumstances.

The Bermuda Triangle, also known as the Devil's Triangle, is an undefined region in the western part of the North Atlantic Ocean, where a number of aircraft and ships are said to have



disappeared under mysterious circumstances.

According to the US Navy,

the triangle does not exist, and the name is not recognized by the US Board on Geographic Names. Popular culture has attributed various disappearances to the paranormal or activity by extraterrestrial beings. Documented evidence indicates that a

significant percentage of the incidents were spurious, inaccurately reported, or embellished by later authors

Supernatural explanations

Triangle writers have used a number of supernatural concepts to explain the events. One explanation pins the blame on leftover technology from the mythical lost continent of Atlantis. Sometimes connected to the Atlantis story is the submerged rock formation known as the Bimini Road off the island of Bimini in the Bahamas, which is in the Triangle by some definitions.

Human error

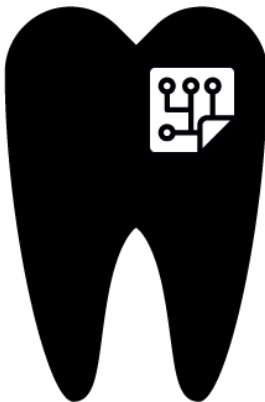
One of the most cited explanations in official inquiries as to the loss of any aircraft or vessel is human error. Human stubbornness may have caused businessman Harvey Conover to lose his sailing yacht, the *Revonoc*, as he sailed into the teeth of a storm south of Florida on January 1, 1958.

--P.PRAVEENA, II Year – IT

TEETH THAN THINK

A superthin tooth sensor (a kind of temporary tattoo) that sends an alert when it detects bacteria associated with plaque buildup, cavities or infection. It could also notify the dentist, adding an extra layer of social pressure to make an appointment.

This sensor is used to identify bacteria in saliva associated with stomach ulcers and cancers. While the sensor won't last long on the surface of a well-brushed and flossed tooth, the sensors will be inexpensive enough to replace them daily.



This little
sensor
detects
bacteria.

-GIFTSON GEEDHA PRIYAN.D, III Year- IT

AUGMENTED REALITY

- Augmented reality (AR) is a live direct or indirect view of a physical, real-world environment whose elements are augmented by computer-generated sensory input such as sound, video, graphics or GPS data.
- It is related to mediated reality, in which a view of reality is modified by a computer. As a result, the technology functions by enhancing one's current perception of reality.
- Augmentation is conventional in real-time and in semantic context with environmental elements, such as sports scores on TV during a match. With the help of advanced AR technology (e.g. adding computer vision and object recognition) the information about the surrounding real world of the user becomes interactive and digitally manipulable.
- Information about the environment and its objects is overlaid on the real world. This information can be virtual or real, e.g. seeing other real sensed or measured information such as electromagnetic radio waves overlaid in exact alignment with where they actually are in space.

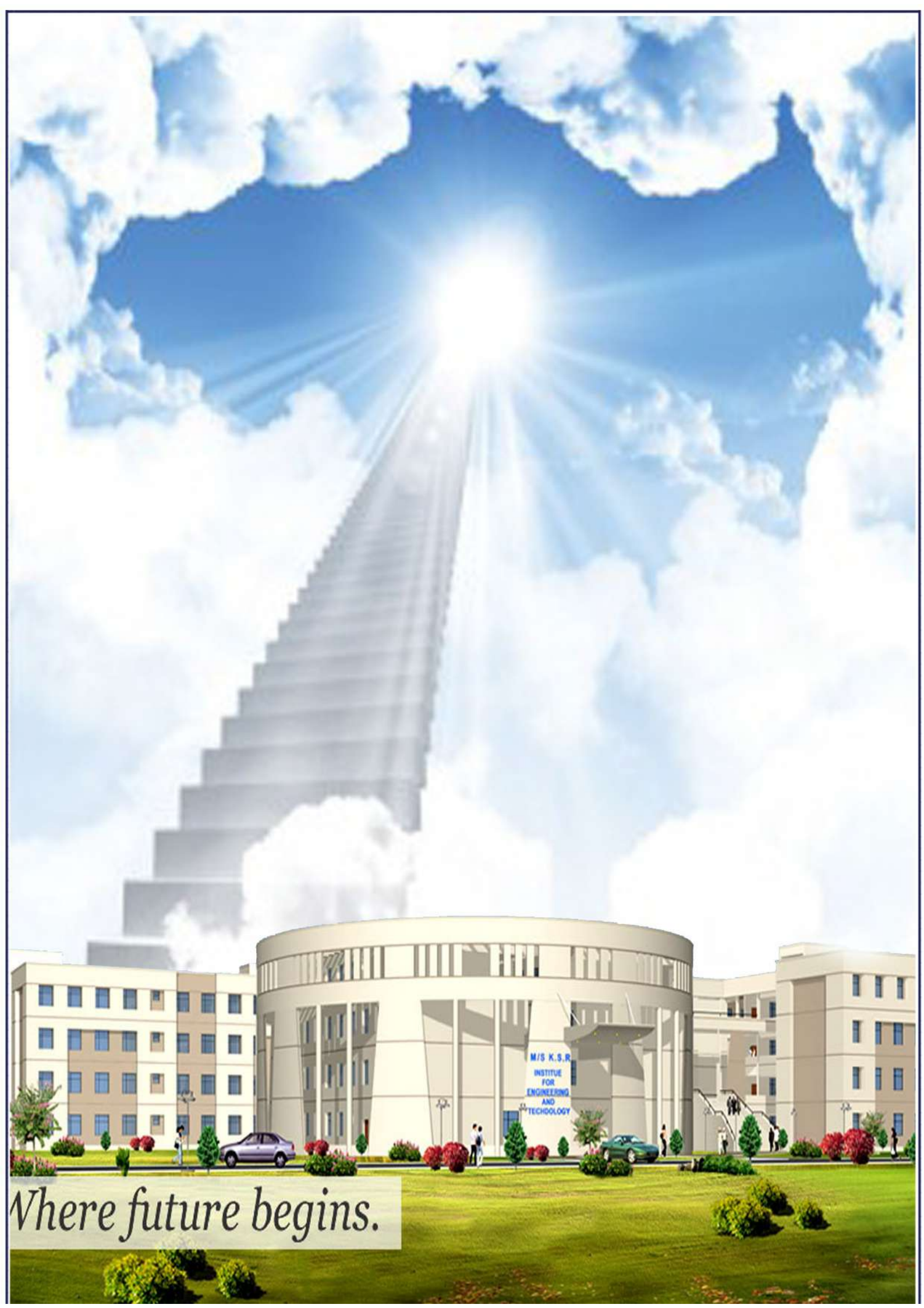
-KESAVAMOORTHY,II Year-IT

Program Outcomes (POs)

PO1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the IT enabled solution of complex engineering problems.
PO2	Problem Analysis: Identify, analyze and provide solutions to the problems reaching substantiated IT enabled conclusions.
PO3	Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the desired needs within realistic constraints.
PO4	Conduct Investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
PO9	Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication: Communicate effectively on engineering activities with the engineering community and with society.
PO11	Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes(PSOs)

PSO1	Programming Skill	Work as Software Engineers for providing solutions to real world problems using programming languages and open source software.
PSO2	Web Designing Skill	Ability to use the web designing skill to establish new solutions for the societal needs.



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