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Avoid making important decisions while flying

Air passengers should avoid making important decisions while cruising at an altitude, according to Professor David Gradwell of aerospace medicine.

WHY

Aircraft cabins are pressurized, but only to a level equivalent of that on top of a 6,000 to 8,000 ft mountain, where the air is thinner and oxygen reaches the brain. If technology improves to give passengers access to the internet while flying. “It may not be best to answer that important email”.

AVOID

- Don’t fly east if you want to avoid jet lag. Most people tolerate flying west, when the day is lengthened, better.
- Don’t go indoors on arrival, but get out in the daylight- as it the quickest way to adjust your body clock.
- Avoid sitting still for the entire flight, or rejecting the water offered by the flight attendants. Moving your legs and feet and staying well hydrated are the best defense mechanism against deep vein thrombosis a hazard of long-haul flying.
- However, don’t waste money on compression stockings- they are supposed to reduce the amount of blood sitting in the veins but there is no evidence they help.
Who is industry ready professional?

Today the business world is changing fast. In some industries, this change is more than others—but change is all encompassing. This scenario needs an industry ready professional.

**An industry ready professional is one who:**

- Can get into action from the very start
- Has basic skill sets and is able to adapt fast. Does not need a lot of training.
- Has a good grasp of fundamentals for her/his area of expertise. Has knowledge about the latest trends in the industry she/he is getting into
- Is a good communicator—can speak in an assertive fashion, write quick to the point emails/texts, and comfortable in—person meetings
- Can get the work done as per timeline. Has the basic business sense—knows when to cc and when not to cc an email list.
- To create an industry-ready professional, academic institutions need to pay an attention to enriching students with above abilities and skill sets.
Learn from your failures

We all fear failure. A mere thought of failure brings images of embarrassment, ridicule, anger and distress with it. Life is not just about studies and examinations, and yet failure lurks at every step.

**Failures are part of life**

We confronted with multiple tests and challenges all our life. A failure is not the end of the road; learn to take it in your stride.

**Evaluate your performance**

Your preparation and your performance is always in your control. Your final result however isn’t always. Identify the gaps where you need to invest more effort.

**Think longitudinally**

No test is ever the last or the more important test. Take tests as opportunities to learn important life skills.

**Learn from experience**

Perfection cannot be achieved in a single trial. Every failure teaches us something and every failure is a step towards achieving perfection. Use failures as an opportunity to learn.

**Judge your performance, not yourself**

Rather than blaming yourself, think where you went wrong.
Google Glass is a wearable computer with a head-mounted display (HMD) that is being developed by Google in the Project Glass research and development project, with the mission of producing a mass-market ubiquitous computer. Google Glass displays information in a smart phone-like hands-free format, that can interact with the Internet via natural language voice commands. While the frames do not currently have lenses fitted to them, Google is considering partnering with sunglass retailers such as Ray-Ban or Warby Parker. The Explorer Edition cannot be used by people who wear prescription glasses, but Google has confirmed that Glass will eventually work with frames and lenses that match the wearer's prescription; the glasses will be modular and therefore possibly attachable to normal prescription glasses.

According to the Google Glass Tech specs page, Glass has a 5-megapixel camera that can shoot video in 720p. It supports 802.11 b/g Wi-Fi and Bluetooth. Audio is provided by a bone conduction transducer, and the display is “the equivalent of a 25-inch high definition screen from eight feet away.” As for buttons and connectors, Glass has a Listen button, on/off button, capture button, touch sensitive area, and Micro USB port for charging. There’s also a status LED and rear-facing sensor array.

Cracking Open observations

- **Removable frame and nose piece:** Cracking open Google Glass begins by removing the frame and nose piece. Thanks to a single Torx T5 screw, this process is relatively simple.
- **Easy-to-remove eyepiece cover:** Removing the eyepiece’s plastic housing, which covers the camera and display assembly, was also relatively simple.
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Newly Launched Products

**Wickedleaks launches Wammy Desire 2 tablet in India**

Technology company, Wickedleaks has announced the launch of its new quad core 7-inch tablet called, Wammy Desire 2 in the already crowded Indian market. The Wammy Desire 2 comes with a 7-inch Inter Plane Switching capacitive touch screen with a resolution of 1,280 x 800 pixels. The tablet comes in two versions; one runs on Android JellyBean and another runs on the older Ice Cream Sandwich. The tablet is powered by a 1.4GHz Quad-core Samsung Exynos processor with 1GB of DDR3 RAM. The tablet comes with an 8GB internal memory which is expandable upto 32GB using microSD card. The tablet comes with 2MP rear camera and 0.3MP front camera for video conferencing. Wammy Desire Tab 2 measures 196 x 118 x 10.9 mm and weighs around 298 grams. The new version is the successor of Wammy Desire, which is available for Rs. 6999. The tablet is now available for pre-order in India and the company has said that the first stock of the tablet will arrive on 15 May, 2013.

**HP Launched world’s fastest desktop printer**

Hewlett-Packard launched its latest range of Officejet Pro X 500 series printers that are recognized as world’s fastest desktop printer by Guinness Book of Records. It is powered by HP PageWide Technology and can deliver professional documents at up to 70 pages per minute. The series includes four devices and HP claims that they deliver high-quality documents at up to twice the speed and half the cost of colour lasers. These devices are targeted at work-teams with up to 15 users printing up to approximately 4200 pages a month. Users can also print from virtually anywhere with the latest mobile printing technologies such as HP ePrint. The HP Officejet Pro X Series is priced in the range of Rs 31,499-50,499.

**MYO arm band provides hands-free controls by reading your arm muscles**

The Myo armband lets you control devices, such as drones, computers and X-wing fighters, simply by moving your arm. Created by Thalmic Labs, Myo is embedded with electrodes that read the electrical activity in the wearer’s muscles as they contract and flex to make arm and hand gestures. The electrical data is then transmitted wirelessly to software that translates the movements into commands. Because the electrodes in Myo do not make direct contact with the skin, the device can be slipped on as easily as a wrist band. The cost of this band is (US$149).
Happenings @ Dept. of IT in the month of May, 2013

**Guest Lecture on “Computer Network” by Mr. Rajesh Phogat, Senior System Analyst, Nucleus Software Export Ltd. Noida for MCA Students**

Department of IT, I.T.S Mohan Nagar organized a guest lecture on “Computer Network” on 4th May, 2013 MCA II and MCA IV semester students.

Mr. Rajesh Phogat, Senior System Analyst, Nucleus Software Export Ltd. Noida started the session by interacting with students and explaining the various concepts related to TCP/IP model. He discussed the concept of Bits/Bytes class-full, classless addressing, identification of IP addresses at various levels of classes & their CIDR notation & conventions. He also discusses about the concept of sub-network & subnet mask. He gives the tips how to calculate total number of host per subnet by taking numerous examples & explain the reason behind why we cannot use first & last address. Further he emphasizes How to design a LAN & to implement security mechanism like firewall.

Mr. Phogat explains different Protocol like TCP, UDP, HTTP, SNMP etc. During his session he introduces need of VPN & how the actual a mail server work. He discussed about the new concept of 8 layer model for network, in which he explained the concept of new layer called human layer.

Upcoming Event in the month of May, 2013

**AICTE sponsored Faculty Development Programme on “Emerging Trends and Research Aspects in 3G wireless communications (ETRA-3GWC-2013) from 29th May, 2013 to 11th June, 2013 shall be organized by Dept. of I.T. at I.T.S, Mohan Nagar, Ghaziabad**

**PROGRAM STRUCTURE:** The two-week FDP shall comprise of an in-depth coverage of Wireless Communication which will include Basics of Wireless Communication Technology, GSM Architecture with protocols stacks, RF Channel Management, Call Processing and GSM Cell Planning, GPRS & EDGE, WCDMA and 3G Overview and other related topics with relevant issues in these areas. The participants will also be provided with practical implementation aspects in laboratory.

Faculty members from AICTE approved Institutes/ Researchers/ Academicians are eligible for the program.
1. Which of the following memories is an optical memory?
   A. Floppy Disk
   B. Bubble Memories
   C. CD–ROM
   D. Core Memories

2. Whose trademark is the operating system UNIX?
   A. Motorola
   B. Microsoft
   C. BELL Laboratories
   D. AshtonTate

3. ROM is composed of
   A. Floppy disks
   B. Magnetic Cores
   C. Microprocessors
   D. Photoelectric cells

4. What is the primary requisite of a good computer programmer?
   A. Mathematical Mind
   B. Artistic Mind
   C. Logical Mind
   D. Scientific Mind

5. Find the odd man out
   A. FTP
   B. POP
   C. SAP
   D. TCP

6. Who is considered the Father of Artificial Intelligence?
   A. Alan Turing
   B. John McCarthy
   C. George Boole
   D. Allen Newell
Why Apple was named “Apple”

Ever wondered how a computer firm could relate with the name Apple? In the early phase of Apple there was a competitor company named Atari, which Jobs wanted to beat and hence wanted a name which comes ahead of Atari in alphabetical order. It is also known that Jobs had spent memorable time in his childhood working in the fields of his favourite fruit Apple and once suddenly it came to him as an idea to name his new venture as Apple.

Naming of Xerox

Xerox – The pioneer in photocopying field was founded in 1905 as The Haloid Photographic Company, had changed its name 3 times in the starting phase and finally fixed its name as Xerox since 1961. Xerox name came from the word Xeroxgraphy, which is combination of two Greek roots: Dry Writing. Since Xerox was the pioneer in Electro Photography which was dry in nature, the management thought to adapt it as the name itself. Naming of Xerox is a history in itself; Xerox has been proudly associated with the service it offers – photocopying.

History behind naming Adobe

The name Adobe was mutually decided by the founders of Adobe – John Warnock and Charles Geschke. Originally Adobe is the name which comes from Adobe Creek in California. Adobe Creek ran behind the houses of John & Charles. It is a northward-flowing stream that also helps to stop erosion and protects shelter of many there; hence the name matches to the helpfulness quality of the creek. The logo of Adobe was designed by Graphic Designer Marva Warnock.
Answers to the Last issue’s QUIZ ROUND

Vinod Dham

He is known as “Father of Pentium Chip” or “Father of Pentium” for the role in the development of highly successful Pentium Processors from Intel.

Vinod Dham is also one of the co-inventors of the Flash memory.

Solution to the last issue Crossword

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Congratulations!

Winner of last issue Quiz round
Prof. Smita Kansal
Dept. of I.T.
ITS, Mohan Nagar

Announcement and Contact Details

VIBRANCE is an E-magazine of Department of I.T, I.T.S, Ghaziabad. We look forward to the contribution from our students, alumni, faculty members and industry experts.

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