

Who made the birds angry?

...pg 2

Preparing for Competitive Exams? It's beneficial for you!

...pg 3

Born to Swim ...pg 4

Not just magnitude, but direction also!

VECTOR

In association with **DNA**

A DNA Edu Connect Initiative

Volume 09

Issue 02

September 2012

Circulated free to students of Vidyalankar (For private circulation only)

VSLATE: GATE - A tablet for active learning!

Vidyalankar stands firm in the belief that the educational services it provides should make students' lives simpler and learning more inspired and in tune with the latest trends. A leader in providing expert coaching, Vidyalankar proves yet again that it is a cut well above the rest with its latest initiative VSLATE: GATE - Vidyalankar's Systematic Learning Aid for Technical Education. VSLATE-GATE offers comprehensive GATE (Graduate Aptitude Test in Engineering) study material on the tablet along with video modules which is available across India and will enable a GATE aspirant to prepare for the exam through its tablet course.

Vidyalankar has been conducting classroom coaching for GATE for over a decade and has been producing toppers consistently in this exam. For the first time ever in India, Vidyalankar has launched its Digital Course through Tablet for GATE which is conducted at an all India level by IITs to admit students to its M. Tech. program. GATE is an exam which tests "how well does one know rather than how much does one know" for which the concepts in all the subjects need to be crystal clear. VSLATE comes with pre-loaded video modules on all subjects. It incorporates an exhaustive study material with complete theory and 33 chapter tests, general aptitude tests, 16 topic tests, 15 full length tests, assignments,

7500 questions, and 20 years previous papers. The courses for EC, CS-IT and ME are available for GATE 2013 preparation.

Maintaining high standards of teaching both in terms of content and delivery has always been Vidyalankar's mission and forte as well. For VSLATE - GATE Vidyalankar has collaborated with Micromax for its hardware requirements and it will be available on Micromax Funbook which is endowed with the following features:

- 7 inch screen
- multi touch pinch and zoom
- 512 MB Ram
- 4GB drive space expandable to 32 GB
- android 4.0 ice cream sandwich
- 1.2Ghz Cortex A8 processor
- HD video



- GPS enabled
- Gravity and Accelerator Sensors installed

The striking feature of VSLATE is its navigation which is extremely convenient with options of pinch and zoom, easy backward and forward buttons for course work and video module. The bonus is a free TATA Photon plus USB modem. Delivery and activation of Tata Photon Plus postpaid connection will be done through Tata Teleservices stores/call centre.

In the current times, students' life styles are so demanding and hectic that they need to be on their toes to fulfill their regular academic work. Among students, use of smartphones is now a common phenomenon but smartphones too have their own limitations, for instance, in terms of size of screen and applications. Laptops were preferred over smartphones for audio-visual applications and internet usage. A laptop again has its own set of limitations but the main problem area is its weight and size which make transportability difficult.

We live in a world that revolves around ever-evolving technology that contributes to making life much effortless. The "tablet revolution" is an answer to all these shortcomings. In terms of its size, weight, price and functionality, it is popular amongst youth and now stands as a perfect replacement for laptops and desktops and incorporates the portability and features of smartphones too.

Hello Readers!

It is said that college years are the best years of one's life. What, according to you, is a fulfilling college experience? It is indeed an amazing transformation to behold one's personality bloom from the expectant fresher to the confident graduate, equipped with the knowledge and skills to face the world. Do share your thoughts, experiences and articles with us on vector@vidyalankar.org and we'll publish them.

Meenakshi Nandula
Coordinator

Vidyalankar believes that quality education is every student's right and should be made available to every aspirant regardless of his/her location. Since Vidyalankar offers classroom coaching in Mumbai, people outside Mumbai were missing out on 'Vidyalankar's edge'. Vidyalankar, which has been delivering quality education over the last five decades, was quick to understand this and has come up with VSLATE - GATE. This initiative stands to prove yet again that Vidyalankar has its finger on the pulse of the student community and it understands their responsibilities and aspirations.

For Enquiry and Live Demo Contact:
Ms. Shweta Apte
Academic Advisor - Vidyalankar
Telephone: 42324232

Enhancing global presence

Vidyalankar collaborates with the University of Toledo

Vidyalankar has blossomed into a bouquet of excellence in education, nurtured with a student-centric approach over the decades. The vibrant and impressive 11 acre Vidyalankar campus has all the ingredients to inspire, strengthen and educate students to succeed professionally. Vidyalankar School of Information Technology is an extension of vital efforts to provide real world experiences for success in the emerging digital global economy based on Information Technology. Affiliated to the University of Mumbai, the Institute presently runs B.Sc. (IT), B.M.S. and unconventional courses like B.B.I., B.F.M., B.F.A and M. Sc. (IT).

Continuing with the legacy of offering quality education to give a global edge to its students, Vidyalankar recently collaborated with the reputed University of Toledo, College of Business and Innovations (US) to offer students a full time 4 year Bachelor's Degree in Management (BBA) with IT ma-



For: This symbiotic tie-up also answers the industry requirement of managers who have a global technical edge.

Students who have passed standard XII and want to pursue management education can apply for this course. Students will be studying for 2 years at Vidyalankar and 2 years at University of Toledo. After completing their two years at the University of Toledo,

students will be offered a BBA degree with IT major from the University of Toledo College of Business and Innovations. Students who have an inclination to pursue post graduation can continue with the University and complete their Masters Degree in 1 year instead of the 2 year regular course.

VSIT has collaborated with presti-

gious Universities in the US and the UK to offer Bachelor's Degree in Engineering and Management to its students. Vidyalankar has collaborations with:

Penn State University (US) for Engineering Degree in Information Technology with Management (2 years at Vidyalankar & 2 years at Penn State University)

California State University for Engineering Degree in Computer Science (2 years at Vidyalankar and 1 year at California State)

Aston University (UK) offering Bachelor in Software Engineering (2 years at Vidyalankar and 1 year at Aston)

Sheffield Hallam (UK) offering Bachelor of Engineering in Software Development (2 years at Vidyalankar & 1 year at Sheffield)

Two big concerns of parents when students go abroad for studies are how will they adjust to a different environment and the expenses involved; here

again, Vidyalankar provides peace of mind. The Vidyalankar students go abroad in a group so there are definite advantages of sharing of accommodation and the company of compatriots. These two factors not only help them in adjusting better to the new environment, but also help them to perform well in academics. The icing on the cake is the reduction in expenses.

These alliances have facilitated the most meaningful educational experience in engineering and management to Indian students interested in experiencing global education and culture. The collaboration provides a unique opportunity to Indian students to benefit from both the systems of education at the undergraduate level itself and thus acquire the skills necessary to meet the challenges of the globally competitive world.

Shweta Apte
Academic Advisor
Vidyalankar Institute for International Education

Who made the birds angry?



It's not just the kids, but their parents also who are getting addicted to playing with birds. What is responsible for eliciting such gaming instincts? It is one of the most popular 'soft' games ever made, 'Angry Birds'. It has been praised for its successful combination of addictive gameplay, comical style and low price.

The game was developed by Rovio Entertainment in 2009 and was conceptualised by a senior game designer Jaakko Iisalo in the form of a simulated screenshot featuring some angry-looking birds with no visible legs or wings. While the picture gave no clue as to what type of game was being played, the staff liked the characters and the team elected to design a game around them. As the concept of Angry Birds was developed, the staff realized the birds needed an enemy. At the time, the swine flu epidemic was in the news, so the staff made pigs the birds' enemies and the birds would launch themselves on slingshots and with a strategic aim, would destroy the stone, wood or ice habitat of the pigs.

The initial cost to develop Angry Birds was estimated to exceed 100,000, not including the money spent on the subsequent updates. For the iOS version, Rovio partnered with distributor Chillingo to publish the game to the App Store. Since then Rovio has self-published almost all of the later ports of the game, with the exception of the PlayStation Portable version, which was produced under license by Abstraction Games and then distributed by Chillingo. In the history of the Apple App Store, Angry Birds holds the record for most days at the top of the Paid Apps chart, having spent a total of 275 days at the No.1 position; Angry Birds Rio has been No.1 for a total of 23 days, ranking ninth on the list. Since then angry birds had no looking back. Play on!

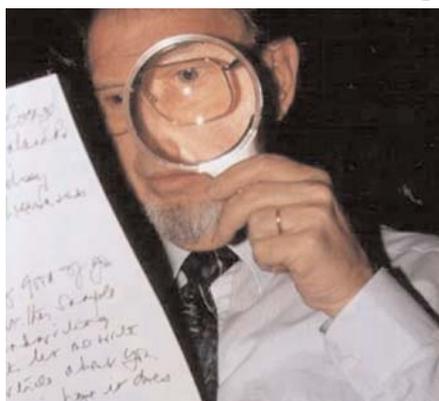
Ref: http://en.wikipedia.org/wiki/Angry_Birds

Kratika Shrivastava Mittal
 MMS, Faculty, VIT

Unable to concentrate? Changing your handwriting can help!

Your handwriting is actually 'Brain Writing' and whatever you write on paper speaks for it. One's handwriting is as unique as one's personality, and there's a good reason to search for traces of one's personality in one's handwriting. We all know that it is very difficult to control the mind. Ask students how frustrated they feel when they can't concentrate on their studies despite trying too hard. They spend hours surfing on the Internet checking out methods and tips to improve their concentration. But very few methods actually work.

Many people want to know how to improve their power of concentration. They share that they are fed up with their minds playing truant, especially when they try really hard to focus. As soon as they begin to concentrate, the mind wanders off and they realize it only



after a few minutes. Consciously, they bring it back to their books, but like an unruly kid,

it again tiptoes out of the room. No wonder then that to describe the uncontrollable restlessness of mind, Swami Vivekananda has compared it to a maddened monkey made to drink wine freely and stung by a scorpion.

In handwriting analysis, lack of concentration is reflected by a few strokes, such as i and j dots and t-bars. Their placement and shapes or absence, for that matter, manifests an individual's level of concentration. Have you ever wondered how to analyze one's handwriting?

Look at the pressure of the strokes: A high pressure means the person has a high emotional energy. People with a high emotional energy have a lot of enthusiasm for life and are often very successful. People with a low emotional energy find most situations draining and will try to avoid them.

Look at the size of the letters: Large letters mean the person is outgoing and extroverted; small letters mean the person is reclusive and introverted.

Look at the slope of the strokes: A right slope means that the person is assertive, confident, and sometimes insensitive. A left slope means that the person is quiet, reclusive, and usually thinks before acting. No slope means that the person is reliable and consistent, but is often very constrained.

Look at the connection of the letters: Connected letters mean that the person is logical and judges things according to experience. Disconnected letters mean the person is imaginative and judges things according to intuition.

Prerana Jalgaonkar
 Faculty, VP

VSIT Alumni Speak



“VSIT has helped me in making a lot of critical decisions with regard to my higher education plans. The first time I went through their

website, a great amount of hope was generated in me, and when I met the VSIT team, I was enthused with a lot of confidence. My pleasant affiliation with VSIT encouraged me to recommend VSIT to many of my fellow students.

—Zeba Khan, Bsc IT



“When I approached VSIT, I was sure that I would get the right guidance and help with respect to pursuing my dream of studying in the

reputed college. I believe that VSIT has helped me gain the requisite knowledge to succeed in the global business environment. I am happy that I came to VSIT and deeply appreciate all the help they provided.”

—Vrushali Kondgekar, Bsc IT



“When I reminisce, I realise that VSIT has played a vital role in moulding me into the confident individual I am today. I owe a lot to my teachers for

the many wonderful experiences and the important lessons taught to us and I realise the important role played by my college now that I am working in the corporate world.

—Rohan Varghese, BMS



“Studying in BMS went by like a flash of lightning, but the skills, and the adaptation to the corporate world imparted to us by VSIT will remain with me forever. It was an

amazing experience to be educated in an environment that is truly student-centric. As I pursue my Masters, I realise the true value of BMS from VSIT - it does not only give you knowledge but also grooms you to achieve your best in the corporate world.

—Siddhesh Shetye, BMS

Preparing for Competitive Exams? It’s beneficial for you!

We live in an era of competitive examinations. Competitive exams are present everywhere - for instance, to gain admission into a course, university or company. Many consider these exams as a huge threat to their chances of getting into a college or company of their choice. So are these exams really that bad? Let’s analyze the pros and cons of these exams.

Speaking of the cons, firstly in competitive exams there are no marks for steps. Your final answer must be correct or else you won’t get any marks. This is even worse when the exam has negative marking. The second problem with competitive exams is that generally, people find it difficult to solve the entire paper within the stipulated time. Also, since most competitive exams have objective type questions, not many people are able to cope with this format as since our school days, we as students have been preparing for subjective exams

which require us to develop an entirely different skill set.

However, if one were to assess the pros, it would become clear that competitive exams actually help in building certain skills that are essential and that are required in life. For example, take the time crunch that most of us face in these competitive exams. We could actually use this as an opportunity to improve our time management skills. By continuously taking timed practice tests, we could hone our own time management skills. Moreover, almost all competitive exams have syllabus that is large in size. This means that students find it difficult to prepare along with their other regular daily activities like going to college, completing assignments etc. However even this can be taken as a learn-

ing experience. One could sacrifice leisure time, make a time table and follow it meticulously. This definitely adds discipline to one’s life and develops the ability to juggle many important tasks at a time. This, I would say, is the most important skill that a person must have to be successful in one’s career.

Secondly, competitive exams help develop analytical and logical thinking ability. This is because competitive exams test our problem solving ability. This is not something that is tested frequently by our regular exams. Traditional exams focus more on rote learning and do not help stimulate thinking. Competitive exams are specially designed so as to be able to select the person with the sharpest thinking.

Lastly, I’d say that competitive exams are the best judge at how good we are at applying the

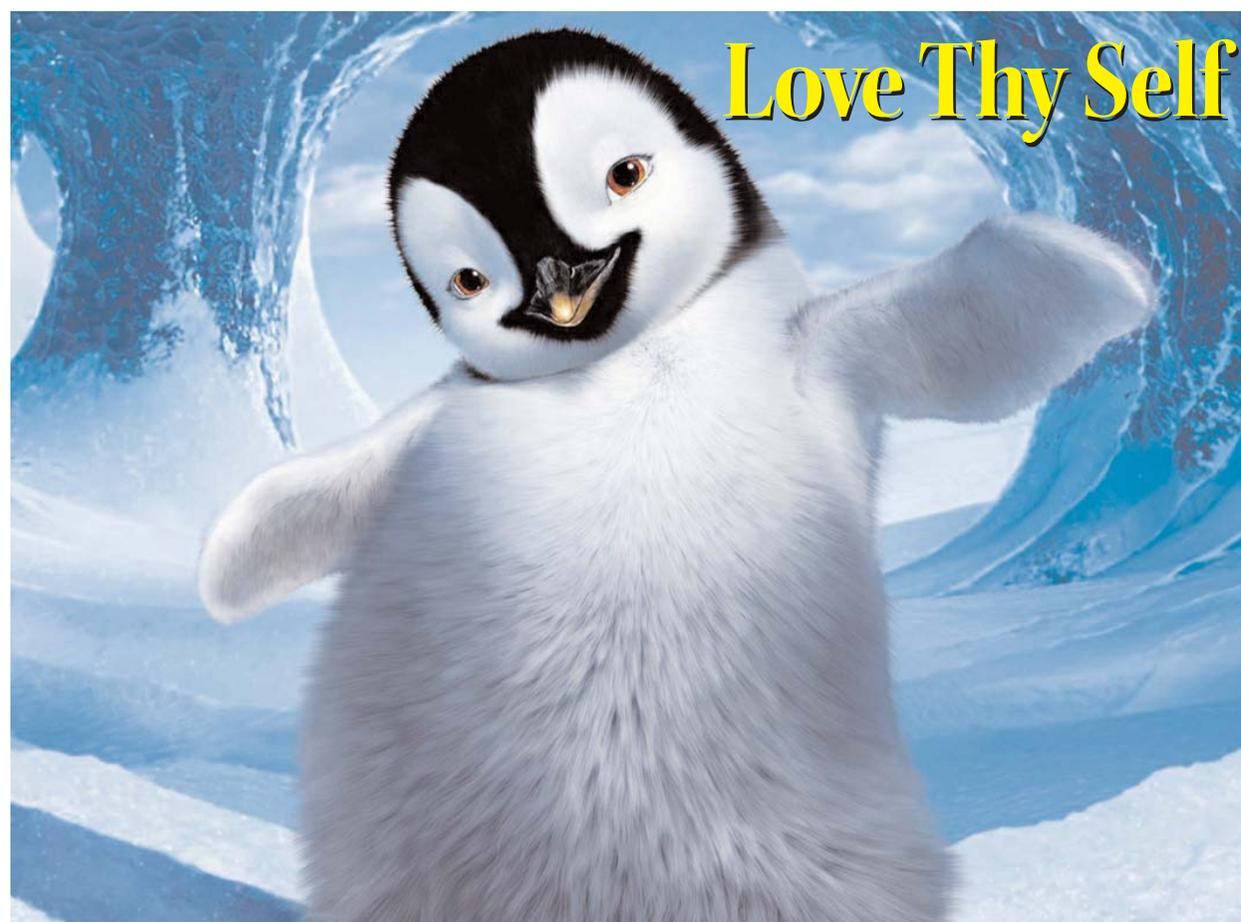
knowledge that we have gained. Since competitive exams are mostly multiple choice questions tests, they cannot test us directly on theoretical concepts like theorems, axioms, laws of physics etc. So naturally, they test us on how to apply these theorems, axioms and laws. Now, this is a very important aspect since in reality, a proof or a law without its application is useless. For example all of us know Newton’s three laws of motion. But of what use would they be if we couldn’t apply them to calculate the force that would be required to move an object?

So on the whole, after considering both the disadvantages and advantages of competitive exams it would be safe to say that they definitely benefit the students. The most important thing is that we as students need to bring about a change in our mindset to be able to make the most out of such exams.

—Ameya Gharpure
Vidyalankar



Ameya Gharpure



The monsoon season in terms of student life can be equated to the exam result ‘season’. As the city is hit by showers of varying intensities, the students as well are hit by the ‘showers’ of exam results. For some students, results turn out to be pleasant and refreshing rainy days while others consider them to be the thief of sunny days, which only creates mud and puddles around. The fear and thought of getting the dreaded ‘KT’ in itself is stressful and in case one does get a KT, one’s self-esteem goes for a toss. The answer to overcome this KT cloud and let the sun of hope shine bright again is to ‘Love Thy Self’, a theory based on the best-seller ‘The Secret’ by Rhonda Byrne.

According to this theory, the world and the universe work on the policy of give and take. This trade between the two can be established using the law of attraction, which says that you are responsible for attracting everything that happens in your life. It is attracted to you by the virtue of your thinking and the images that you hold in your mind. This law has been scientifically proven by applying quantum physics. For instance, when you think about getting a KT, you may risk getting one. Underestimating yourself creates the conditions for landing a KT.

Let’s give your thinking a whirl and start with you loving ‘You’. Develop a healthy respect for yourself as there are so many things magnificent about ‘You’. Refocus on your strengths and think positive about yourself. Conquer your negatives. Just begin with one prolonged thought of something good about yourself. Keep ‘You’ in a healthy state of mind and see the magic.

So, you have a KT? Don’t let it lower your morale. Wipe those tears off and visualize an ‘all clear’ status. Consider it as an experience which teaches you to strategise better. Come up with a tangible plan of action and start working towards it. Learn to deal with every problem in this manner. Start keeping ‘You’ happy, give yourself a new lease of life and I bet that the new ‘You’ will surely help to turn the odds in your favour.

—Shruti Amre
SE (Biom), VIT

CONGRATULATIONS TO THE 100% CLUB! Vidyalankar FE (Sem II) May 2012 Toppers

Maths II ~100/100 Maths II ~100/100



Swapnil Shivkar



Rahul Ravindra



Nira Kurhade



Disha Agrawal



Ashish Sharma



Aparna Indore



Born to Swim

At the age of 27 he is the most celebrated Olympian there ever was. With a medal tally that surpasses not just athletes but a few countries, he has etched himself in the mind of every sport lover. He has taken swimming to new heights and been a role model for many. He is none other than Michael Fred Phelps.

Born on June 30, 1985, Phelps is a retired American swimmer and the most decorated Olympian of all time with 22 medals. Phelps also holds the all-time records for Olympic gold medals with 18 Golds which are twice as many as the second placed record holder, Olympic gold medals in individual events (11) and Olympic medals in individual events for a male (13). In winning eight gold medals at the

2008 Beijing Games, Phelps took the record for the most first-place finishes at any single Olympic Games. Five of those victories were in individual events. In the 2012 Summer Olympics in London, Phelps won four gold medals and two silver medals, making him the most successful athlete of the Games for the third Olympics in a row.

Phelps was born and raised in the Rodgers Forge neighbourhood of Towson, Maryland, located just north of Baltimore. Michael is the youngest of three children. Phelps began swimming at the age of seven, partly because of the influence of his sisters and partly to provide him with an outlet for his energy. By the age of 10, he held a national record for his age group, and Phelps began to train at the North

Baltimore Aquatic Club under Coach Bob Bowman. Phelps' rapid improvement culminated in his qualifying for the 2000 Summer Olympics at the age of 15 and becoming the youngest male to make a U.S. Olympic swim team in 68 years.

At the 2004 Olympics he managed 6 Golds and 2 Bronze medals and missed out on the all-time world record of Spitz's 7 Gold medals. He completed the feat in 2008 Beijing Olympics when he won all 8 Gold medals which included 1 Olympic record and 7 World record timings. After his 7th win his main competitor Milorad Cavic wrote in his blog "People, this is the greatest moment of my life. If you ask me, it should be accepted and we should move on. I've accepted de-

feat, and there's nothing wrong with losing to the greatest swimmer there has ever been."

After the 2008 Summer Olympics, he started the Michael Phelps Foundation, which focuses on growing the sport of swimming and promoting healthier lifestyles. He expects to do further work with his foundation after the 2012 Olympics, which he has said will be his last. Phelps has had a great career but there have been some controversies but he has come out of all of them. He has always tested negative for doping charges. He has been a great inspiration for many young athletes. It will be some time before any one comes close to matching the great Michael Phelps.

—Harsha Ambardekar,
TE ETRX, VIT

Know your City



The Jehangir Art Gallery

The Jehangir Art Gallery is Mumbai's foremost art gallery and has showcased some of the country's top artists and collections. It is located at Kala Ghoda, in South Bombay which is the art and literature 'capital' of the city. Built in 1952, it was donated by its founder, Cawasji Jehangir to the Bombay Art Society. The building itself is designed by Durga Bajpai and was one of the earliest concrete structures in the city. It was considered very modern and a reflection of the modern Indian art renaissance that had sprung up.

This art gallery is one of the most prestigious and sought after destinations for many artists to showcase their work. Artists have to wait for many years before they get a chance to exhibit their work at the gallery. Almost all the exhibitions held here gain utmost media coverage. The gallery is open to the public on all days and the visiting hours are from 11 am to 7 pm for absolutely no entrance fee. The gallery is a true reflection of Mumbai's culture and expressive spirit!

Ref: [Maharashtra Tourism Website](#),
[Jehangir Art Gallery Wiki](#)

—Rayner Vaz
TE CMPN (1), VIT

Aptitude Corner

- In what ratio must water be mixed with milk costing Rs. 12 per litre to obtain a mixture worth of Rs. 8 per litre?
a) 3:2 b) 2:3 c) 1:2 d) 2:1
- If the alphabet written in the reverse order, which will be the seventh letter to the right of the twelfth letter from the left?
a) F b) G c) H d) S e) R
- Statements: India will either be a socialist country or a capitalist country
Inferences:
1. India will be a socialist country.
2. India will not be a socialist country.
3. India will be a capitalist country.
4. India will not be a capitalist country.
a) 1,2 b) 3,4 c) 1,4 d) 1,3
- Two letters in the word 'DREAM' have as many letters between them in the word as in the alphabet. Write the one of the two which appears earlier in the alphabet?
a) D b) R c) E d) A e) M

(Answers Ans. 1 (c) 1:2, 2 (c) H, 3 (c) 1, 4 (d) A

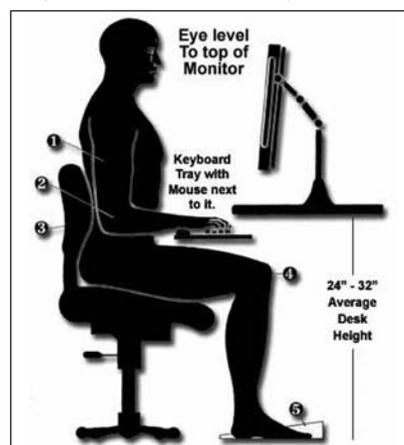
We Care

Attention! - (Please) Stand at Ease

Before you continue reading this, stop. Now take a look at your posture. Are you seated/standing correctly? If yes, then that's just great. But if not, is there a problem? Should you really care about your posture being even 'slightly' incorrect? As per a publication in the Harvard Medical Journal, you should. How often have you woken up with a backache or a muscle pull? It's not just the stress that is killing you - a bad posture can overtime lead to serious pain, spasms, and sprains. But it doesn't end there. Posture is often associated with the inherent character of a person as a case study by Katherine Isbister, Stanford, indicates.

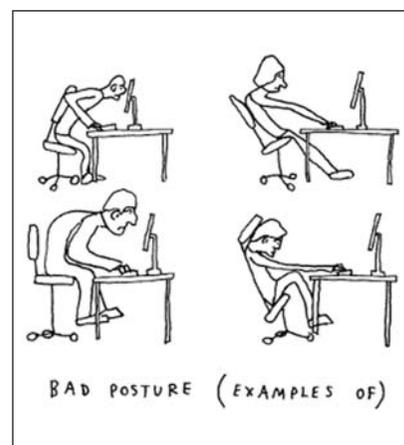
Tips to maintain a good posture:

- Imagine a straight line passing through your body from ceiling to floor - your ears, shoulders, hips, knees and ankles - should line up.
- When sitting in a chair, sit comfortably while ensuring that your back touches the back-rest and your feet should be flat on the floor.
- When sitting at a computer desk, take breaks every 30 minutes or an hour to



move around and relax your muscles. Sitting in the same position continuously can be as bad.

- Avoid working/writing on a bed - although it seems like the most comfortable thing in the world - it is in fact exactly the opposite.
- Stand against a straight wall to get a feel of the recommended posture - this will



help you in trying to maintain it.

- Remember that keeping your head held high and chin at floor level is also indicative of determination and good self-esteem.

Ref: Harvard Medical family health guide, The effects of bad posture - Ehow, Wikihow - how to improve your posture.

—Rayner Vaz, TE CMPN (1), VIT