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NEWS-LETTER FROM INFORMATION TECHNOLOGY,
VCE Campus, HYDERABAD-500031

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EXPERIENCE & EXPOSURE

BOOK WARMING

Dust piled up on all my books finally gave its way as mom helped me showing the books broad daylight by placing it in our balcony. Before I start typing more about exams, let me tell all of you the feeling it has on me. I'm numb with exams. It sounds so simple. Now is the time we actually pick up few books and extract all possible knowledge as this is the period we have to study given no option. Every time we read those books one thing for sure runs behind our mind and that is "I should have studied earlier!!". On a serious note, as a student this is the most absurd method of seeking knowledge as it would be temporary and everyone knows the gradual result. We do write tiring back-to-back exams so a constant read and learn though for small duration is helpful. So folks study well!!!

Editorial Column
- Ali Intakhab

If you know brilliant tricks then use IT

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ALUMNI SECTION

1. Haneesh Kotha

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Currently Pursuing M.S. at Syracuse University
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2. Pooja Sontha

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Batch : 2008

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STUDENT COLUMN

ANDROID

By:- Sneha K.

It's often just enough to be with someone. I just need to feel the touch. Not even talk. A feeling passes between us both. And I know I am not alone.

I have found a soul mate. From the time it has come into my life the world seems so beautiful, simple and exciting. Everything now happens with the sense of a gentle touch. And with that one touch, I feel the world in my palms.

Ah, Andy, my new 'Android' is so wonderful. The perfect phone I have always been waiting for. Big for a phone and small for a soul mate, Andy has a 4inch display and is slim and weighs very less. It of course has the GPS (Global Positioning system). For a person like me who hardly knows

Routes and places, Andy is so made for me. I



Often get confused with monuments and even different buildings. But with Andy around, all I need to do is click a picture and it will tell me where I am, what the building is, and where I have to go!

It's unbelievable but Andy can display over 10 million colors! Picture perfect eh? Andy's camera has amazing picture quality with more than 8 Mega

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pixels and it also gives me additional help. Once I tag a friend in my photograph, it will recognize him/her automatically every time he/she appears again in any of my pictures. It also supports High Definition video.

It is very obvious that I have the internet on my phone. Andy also supports social networking sites like Facebook and Twitter and gives me updates and notifications. It also has patented features like Mediascape and Timescape. Timescape is an interesting approach to content sharing. Users browse stacks of tiles revealing status updates from Facebook and Twitter, calls or text

Messages, unread email, and recent music, photos, or videos recorded or added by the user.

Andy gives me certain applications through which I manage my finances, my schedules, appointments and business related work. Andy also supports video calling. It also has a barcode scanner. E-book facility in the phone helps me wherever I go and spares me the burden of carrying heavy books. From breaking news to weather forecasts, stock market statuses to live cricket scores, I get news on everything that goes on around the world. One little touch is all I need to give! One of the most important features that Andy provides is Open Source facility. So, I can take the source code and edit it according to my wish. It also has a great security system.

The other day, I went to this music concert. I loved the songs and wanted to

download them. Andy made my work very simple. I just activated it, and made it listen to the song and guess what? It gave me all the hyperlinks and information that I needed about the song. Andy is so nice that it knows the choice of my music. I usually listen to rock music and so it updates me with the latest rock music.

I watch movies, videos, clips etc present in my phone and it's always better on a bigger screen. So I connect Andy to a television screen and I can watch all those movies on my T.V. Oh! I forgot to mention about the games. I can't stop playing them! They take me into a different world. I wonder if I'll ever get bored of playing them. The motion

Sensing adds to all the excitement and thrill while playing.

One little electronic gadget with so many features and facilities? I sometimes think, maybe I don't need any living company to survive, having things like these around me. If technology today is at this level where the world is in my pocket, it's hard to imagine the future after a couple of decades. This is perhaps the most beautiful time in human history. All kinds of creative possibilities are being made certain by science and technology which have now become the right-hand men of mankind's intellectual growth process. And let us hope they don't enslave us in the future that lies ahead.

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By: *V. Rahul*

Formula One has millions of viewers around the world and is picking up speed in India as well. Narain Karthikeyan was the first Indian to qualify to Formula One representing the Jordan Formula One team in 2005, and also to win the A1GP, held in Zhuhai (China) in 2007. India's second step into F1 was when Mr. Vijay Mallya bought

The Spyker F1 team for 88 million pounds and the name was officially changed to "Force India". The team scored its first points in Monaco GP.

Formula One, abbreviated to F1, is the



highest tier of open-wheel Formula racing and is regulated by the Federation International de l'Automobile (FIA). The "formula" in the name refers to a set of rules to which all participants and cars must conform. The results of each race are combined to determine two annual World Championships, one for drivers and one for constructors.

Formula One cars race at high speeds, up to 360kmph (225 mph) with the engine revving up to 19,000 RPM. The cars are capable of pulling 5g in some corners. The performance of the cars is highly dependent on electronics, aerodynamics, suspension and tyres. The Formula One World Championship was created in 1950 and is the oldest of the FIA Championships. Europe is Formula One's traditional centre; in particular the United Kingdom has produced the most Drivers' Champions (13), and the vast majority of Constructors' Champions (32). However, the sport's scope has expanded significantly in recent years and Grand Prix are held all over the world. Events in Europe and America have been dropped in favor of races in Bahrain, China, Malaysia, Turkey and

India along with Singapore having held the first night race in 2008.

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As the world's most expensive sport, its economic effect is significant, and its financial and political battles are widely observed. Michael Schumacher and Ferrari won an unprecedented five consecutive drivers' championships and six consecutive constructors' championships between 1999 and 2004. Schumacher set many new records, including those for most Grand Prix wins, most wins in a season and most drivers' championships. Schumacher's championship streak ended on September 25, 2005 when Renault driver Fernando Alonso became Formula One's youngest champion at the time. In 2006, Renault and Alonso won both titles again.

Since 1983, Formula One had been dominated by specialist race teams like Williams, McLaren and Benetton, now



Renault, using engines supplied by large car manufacturers like Mercedes-Benz, Honda, Renault and Ford. By 2006, the manufacturer teams—Renault, BMW, Toyota, Honda and Ferrari dominated the championship, taking five of the first six places in the constructors' championship.

The constructors



Add together the points scored in every race by each car of their make, in the same way as the drivers accumulate the total number of points scored in each event. The race begins with a warm-up formation lap, after which the cars assemble on the starting grid in the order they qualified. If the driver manages to drive off and at least one car is behind him, he is permitted to retake his original position. A light system above the track indicates the start of the race. The race distance is equal to the least number of complete laps which exceed a distance of 305kms (190 miles) and are limited to two hours.

India's first Grand Prix was held in 2011 at the

Buddh International Circuit in greater Noida. The track is 5137m long and is spread over an area of 874 acres and is a part of Jaypee Greens Sports City. One of the most notable sections of the circuit is the multi-apex turn 10–11–12 sequence. It has been likened to the long, fast Turn 8 at Turkey's Istanbul Park circuit and is expected to generate high tyre loadings. The facility has also been awarded the "2011 Motorsport Facility of the Year". The inaugural race was won by Germany's Sebastian Vettel.

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FACULTY COLUMN

ETHICAL HACKING

By: Ms. Jhansi Rani

Traditionally, a hacker is someone who tinkers with software or electronic systems. The various attacks are caused due to reasons like connecting to a network through an unreliable modem, flooding a network with too many requests, cracking passwords, spam, viruses etc. Ethical hacking provides a way to determine the security of a system. It is the science of testing your computers and network for security vulnerabilities. Ethical hackers perform the hacks as security tests for their systems. Ethical hackers are mostly people with a good technical knowledge about operating systems and computer networks. They are to maintain privacy about the information they gather during the testing process. Most importantly they need to avoid crashing their system by running too many tests too quickly as a result of poor planning.

The goal of an ethical hack is neither to do damage nor to download any valuable information; rather it's a service for a client to test his system on how it would withstand a hacker attack. The final output from an ethical hack is mostly a Detailed report about the detected problems and vulnerabilities. Sometimes, the report does even have instructions on how to remove certain vulnerabilities.

Predominantly an Ethical Hack can be categorized according to three characteristics, namely

1. Point of Origin
2. Knowledge
3. Announcement.

The point of origin describes the connectivity a hacker has i.e. whether the attack is from the internet or via remote access facilities. The knowledge of an

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Attacker about the network, company, involved systems and especially the network architecture can have a tremendous impact. Another characteristic is to know about the upcoming attack.

An Ethical hack is a good opportunity not only to check the security of the equipment as well as to check the established security procedures and how to react on an incident.

The process of Ethical Hacking starts off with the approval followed by proper planning which includes collecting information about the specific system to be tested, the risks involved, the overall timeline, about when and how the tests are to be performed and most importantly keeping track of major vulnerabilities. Also the right choice of tools used for the process plays an important role. Specific tools are used for specific tests. The tools should provide reports on the discovered vulnerabilities. They should also offer support and updates when needed.

The final report of Ethical Hacking is a collection of all of the ethical hacker's discoveries made during the evaluation. All the vulnerabilities that were found to exist are explained. The procedures for avoiding them are specified. The actual techniques employed by the testers are never revealed. A portion of the final report includes recommendations for steps the client should continue to follow in order to reduce the impact of these mistakes in the future.

Thus Ethical hacking is critical for cyber security. It provides a way to access, target, and correct the vulnerabilities of various networks before they can be hacked by others with wrong intentions and hence ensuring the safety of our systems.



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NOTICE

Nostalgia, Information Technology's (Vasavi college of Engineering) official online news-letter need a potential Editor on board whose participation would be appreciated by higher officials. Apart from Editor, we also need a couple of members who would like to work aggressively for the online news-letter.

Regards
Ali Intakhab

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The articles can be mailed by students and faculties for second edition at:

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Also catch us on *facebook* on the link mentioned below:

<http://www.facebook.com/group.php?gid=123474171037593>

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