

HIGHLIGHTS

*Two weeks
Training
Programme for
Air Force Staff,
Hindan,
Ghaziabad
inaugurated at
I.T.S, Ghaziabad*

*Pioneering
ALIVE app gets
whopping 3.3
lack downloads*

*Team of SOPRA
Group visited
I.T.S, Mohan
Nagar for the
interaction with
MCA Students*



I.T.S- Institute of Technology & Science

Mohan Nagar, Ghaziabad

Website : www.its.edu.in

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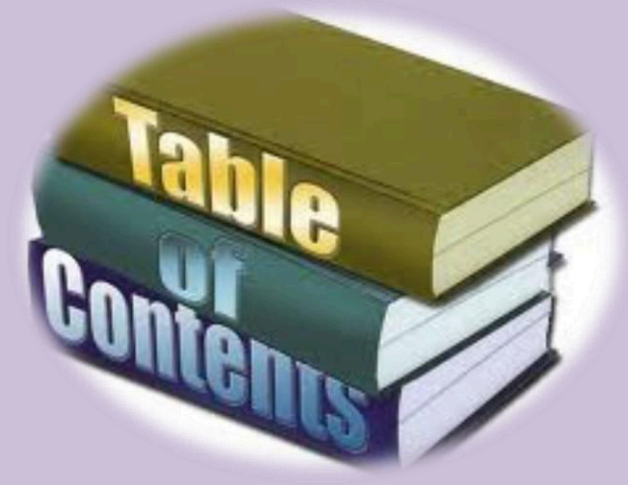
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ANDROID FOR SMART PHONES

PANKURI BANSAL

MCA II Semester

Android is a Linux-based operating system designed primarily for touch screen mobile devices such as smart phones and tablet computers. Initially developed by Android, which Google backed financially and later purchased in 2005. Android was unveiled in 2007 along with the founding of the Open Handset Alliance: a consortium of hardware, software, and telecommunication companies devoted to advancing open standards for mobile devices. The first Android-powered phone was sold in October 2008.

Android is open source and Google releases the code under the Apache License. Additionally, Android has a large community of developers writing applications that extend the functionality of devices, written primarily in a customized version of the Java programming language. In October 2012, there were approximately 700,000 apps available for Android, and the estimated number of applications downloaded from Google Play, Android's primary app store, was 25 billion.

Android has become the world's most widely used Smartphone platform, overtaking Symbian in the fourth quarter of 2010 and the software of choice for technology companies who require a low-cost, customizable, lightweight operating system for high tech devices without developing one from scratch. Android's open nature has further encouraged a large community of developers and enthusiasts to use the open source code as a foundation for community-driven projects, which add new features for advanced users or bring Android to devices which were officially released running other operating systems.

IT INDUSTRY IS SET TO GROW FASTER NEXT YEAR



The Indian IT industry is expected to do marginally better in the next financial year. The industry's apex body Nasscom forecasted that software exports would grow between 12% and 14% to \$87 billion in 2012-2013. The lower end of the forecast is about 2 percentage points more than what the industry is expected to achieve this year. Nasscom's latest growth estimate for this year is 10.2%, with total exports growing to 75.8% billion. It had begun year with a forecast of 11-14%, but revised the downwards in the middle of the year, saying it would be closer to the lower end estimate falls below even that.

The domestic IT industry is expected to grow 13-15% to touch Rs 1.20 lakh crore in the 2014 fiscal. It is estimated at Rs 1.04 lakh crore for the current fiscal, a growth of 14.1% over last year," The IT industry's share of GDP is almost 8% and the sector's contribution to GDP as a percentage has grown three fold in the last 10 years," Som Mittal, president of Nasscom said.

The sector did net hiring of 1.88 lakh people this fiscal and now provides direct employment to 3 million people." The sector is one of the largest organized private sector employers in the country. It also adds 9.5 million jobs indirectly. About 30% of our workforce is women. We are constantly seeing the percentage of women recruits going up Mittal added.

NEWS CORNER



ALIVE APPLICATION A Times of India Group Initiative

It's alive and kicking up quite a stir. A month and-a-half after its launch on December 13, Alive, a hot new mobile phone application that lets TOI reader access videos, pictures and polls related to select news items appearing in the paper, has totted up more than 3.3 laky downloads.

TOI is the first Indian publication to offer the groundbreaking 'augmented reality' platform to its readers, giving them a whole new multimedia experience that's set to change forever the way print new is consumed. To access the augmented content, TOI readers need to download the alive application on their mobiles. Focusing the phone's camera on new reports, pictures or ads in the news paper (That carry the Alive logo) automatically fetches up related videos or pictures.

As per latest reports, the freeware apps was downloaded by as many as 3, 31,158 users till January 28, showing that Alive had emerged as a brand name for augmented reality in India.

That's not all. Augmented reality visuals released in TOI were seen by 1.72 to 2.79 lakh readers every day. That's a daily average of 2.2 lakh scans, with users spending around 2.4 minutes viewing the content on their mobile phones. This opens up a world of possibilities for content players, PR companies and advertisers, allowing them to innovate and interact with their target audiences in many interesting ways.

In augmented new content, the three most popular categories that have emerged among alive users are Bollywood, sports and national.

Alive is the world's first augmented reality application that's available on five major platforms – Android, IOS, Blackberry, Windows and Symbian. According to feedback, Alive is most popular among Android and iOS users.

In fact, the app is a continuous chartbuster in the iOS app store, featuring among the top 100 in its free app category. Developed in partnership with Times Mobile ltd. This game changing software devices camera to recognize preloaded images from the newspaper and plays back augmented pictures or video connected with the particular image. For instance, if you select a picture of a cricket match from the newspaper, the app may play a video of the match highlights; give you the scorecard or similar interesting content.

NEWS CORNER



CELL PHONE CHARGED BY YOUR COFFEE

A new device that can charge your mobile phone with a hot cup of coffee or a cold one has been developed by a US Company. The company claims that the two sided Epiphany one Puck converts the warmth of your hot cocoa or iced beverage into power for your phone. The lightweight device is portable enough to fit in your purse or day bag for emergencies.

The device uses a Stirling engine powered solely by heat disparities to generate the electricity to keep your phone up and running, 'Gizmag' reported. Stirling engines were actually invented in 1816 as a rival to the steam engine, but its use was limited to low-power application for a long time. Epiphany labs are using modern materials to use the technology in a rather different way.

The device has two sides- a blue side for cold drinks and a red side for hot drink. According to its creators, a hot drink is the optimal way to charge a device. It comes with a USB port that can charge any device that draws 1000 mA or less. This means it can charge iPhones, Androids, iPods and other USB-based devices.

Epiphany Labs claims that, in ideal circumstances, the device would be able to charge your phone at the same speed you would see plugging it in directly to a wall. It will also work in less-than-ideal conditions, but if you are not placing a fresh hot drink on the Puck, you will have to wait a little longer for your device to receive a full charge.



INDIA FIRST TO PUT SMART PHONE IN SPACE

India has successfully launched the world's first smart phone- loaded with a number of experimental 'Apps'. The University of Surrey's Surrey Space Centre (SSC) said that the STRaND-1, a nano-satellite carrying a smart phone, has successfully been launched into space from India. STRaND-1 is a training and demonstration mission, designed to test commercial off-the shelf technologies in space. The Apps on board STRaND-1 were developed by winners of a facebook competition held last year. The Scream in Space app was developed by Cambridge University Space Flight and will make full use of the smart phone's speakers. The STRaND-1 Data app will show satellite telemetry on the smart phone's display which can be imagined by an additional camera on board. This will enable new graphical telemetry to interpret trends.

STRaND-1 is a training and demonstration mission weighing 4.3kg launched into a 785km Sun-synchronous orbit on ISRO's PSLV launcher.

Happenings @ Dept. of I.T in February 2013

Mr. Kamal Karnatak, Group Head – IT, RJ Corp, Gurgaon delivered a guest talk for MCA IV semester students



An invited talk on “MIS- Industry Perspective” was organized for the students of MCA IV Semester by Dept. of I.T. in association with CSI Ghaziabad and ACM Delhi-NCR Chapters on 02nd February, 2013 at the institute. On this occasion, Mr. Kamal Karnatak, Group Head (IT), RJ Corp, Gurgaon was invited as the speaker of the session.

While addressing the gathering, Mr. Kamal spoke on the practical implementation and issues involved in enabling MIS environment. He also discussed about the applications, importance and issues of concern in implementation of MIS set up. He said that in an organization, particularly in such a cut throat competition, timely decision and its availability to all the stakeholders in an organizational set up is very crucial and that's where timely availability of accurate information with high degree of accuracy comes in action. To meet this requirement, While comparing with EDI, Mr. Kamal said that these variations of MIS has been helping organizations in not only their own information related needs but also facilitates in integrating the outside users. The session was very interactive and informative.

Two weeks Training Programme for Air Force Staff, Hindan, Ghaziabad inaugurated at I.T.S, Ghaziabad



Two weeks training programme on “Computer Hardware and Networking” for Air Force Staff, Air Force Station, Hindan, Ghaziabad was inaugurated at I.T.S, Ghaziabad on 4th February, 2013



This two weeks training was being conducted by the Department of I.T., I.T.S Mohan Nagar on Computer Hardware & Networking. In the beginning Flt. Lt. Pratiksha Thakrey said that this would be a mutual learning experience and value addition for all. She expressed her confidence that all the participants, at the end of the training, would be in position to appreciate the technology and apply the learning in real air force environment.

Happenings @ Dept. of I.T in February 2013

Mr. Shishir Gupta, Project Lead, HCL Technologies, Noida delivered a talk on “Enterprise Application Development with Java/J2EE” for MCA Students

In association with CSI Student Branch and ACM Mr. Shishir Gupta, Project Lead, HCL Technologies, Noida delivered a talk on “Enterprise Application Development with Java/J2EE” for MCA Students at I.T.S Mohan Nagar, Ghaziabad. Mr. Gupta discussed about the project configuration based on MVC (Model view Controller) architecture and about the points to be focused upon when a new project is required to be developed.



Initially Mr. Gupta discussed about use of HTML and Java Server pages (JSP) for developing interface with static approach of an enterprise application. Then he switched to logic or dynamic part of the application that how the request from various clients are accepted by the application and how these request are processed by applying the desired logics in order to generate the output or response. He also explained about POJO (Plain old java objects) to create entity beans with setter and getter methods.

Students were given idea about application of servlet, JSP and struts for developing web applications projects.

Team of SOPRA Group visited the I.T. Dept of I.T.S, Mohan Nagar for the interaction with MCA Students working on live projects



In the series of industry interaction with the students, a team of SOPRA Group visited I.T.S, Mohan Nagar on 16th February, 2013.

The team comprised of Mr. Debashish, Ms. Megha Gupta and Ms. Sangeeta Singh. The team also interacted with the students of MCA Programme who are working on SOPRA Projects. During the session team also reviewed the SRS, Scope and Use Case document prepared by the students and gave suggestions to improve upon. In his address, Mr. Debashish, explained various aspects of designing phase including architectural design and the layers of architectural design. The session was highly interactive.

Towards the end of the session, queries and problems of the students were also discussed and resolved. Mr. Debashish advised the students to be focused while working on projects and suggested the students' ways to develop meaningful projects of good quality.

Happenings @ Dept. of I.T in February 2013

Inauguration of International Cultural Awareness Cell: IT for MCA students at I.T.S, Mohan Nagar



To acquaint the students of Department of I.T., I.T.S, Mohan Nagar, Ghaziabad with cross cultural issues, a cell named "International Cultural Awareness Cell: IT Industry" has been formed for MCA Students on 28th February, 2013. The objective of this cell is concerned with the issues faced by international companies and governments in dealing with all types of cross border transactions.



On this occasion a workshop on "Hofstede's Cultural Dimensions" was organized for the awareness of cultural differences and how this impact international business professional in the field. Prof. Vijesh Jain was the resource person of this session.

ALUMNI SPEAK

"A Winner is not one who never fails, but one who NEVER QUIT!!"



TRISHA URVASHI
Calgary, Alberta
(Batch 2006-09)

My journey with I.T.S was full of satisfaction and acquaintance. During my stay with I.T.S, along with study I got lots of opportunities to explore my skills in different fields like cultural, organizer, representative etc. One of the best things with I.T.S was discipline and motivation given by faculty members. I am really very thankful to our director sir and all the faculty members for their guidance and support.

Being a part of CRC team, I am also thankful to Prof. Abhay Narayan Tripathi who skilled us how to fill up a gap between corporate and academic world. It provided me an opportunity to visit lots of corporate companies and helped me to know more about the reality and competition of getting jobs.

I want to convey my message for my juniors that this time is very precious for all of you and do not waste it just in making fun. Believe in yourself, do not be serious but be sincere. Being a part of I.T.S parivaar you have such a fantastic platform to brush up your knowledge, grab this opportunity and make your future bright.

Announcement and Contact Details

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

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