In this Issue!

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Mohan Nagar, Ghaziabad

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Advantages and Disadvantages of Smart Phones

A smart phone is a high end mobile phone that can combine a personal digital assistant PDA and a mobile phone. Today's model varies a lot. This is because the innovation of more complex and new smart phone had led to new smart phones in the market with different features. Modern smart phones have got a combination of several features such as: gps navigator, cameras with larger megapixels, touch screens, web browser, portable media player and a QWERTY keyboard. Smart phones can vary from day to day due to new inventions by different companies in the world.

Advantages of smart phones

- Smart phone has the ability to browse full websites with large amount of data and it will appear the same way as it is in the desktop browser.
- Also has QWERTY keyboard which is similar to the computer keyboard. The key board can be hardware (physical keys that you type) or it can be software (on a touch screen like you will find on an IPhones).
- Smart phones have got application that can help you create and edit Microsoft office documents.
- Smart phone also has gps which can be used to locate place that are new to you. When traveling to unknown places it is a good idea to have a gps to help you find the place you're looking for. Smart phones will help makes your tour navigable.
- When it comes to messaging a smart phone will send messages and also email messages. A smart phone can synchronize your personal and most likely your professional email account. Some smart phone can support multiple accounts depending on the make and model.

Disadvantages of smart phones

- Smart phone not durable especially when not taken good care of. For example it can malfunction easily when they come into contact with water.
- It is very expensive to buy compared to other phones.
- More complex when it comes to operating because of the many applications which need to be mastered to avoid confusion when operating it.
- Can only work efficiently where there is accessible internet connection when it comes to browsing. Smart phone cannot be used to store large amount of data due to their storage memory.

How to find a right career path-Some tips

Deciding on a career may seem daunting but it is easier when you give yourself a lot of options and time to consider it. Although the idea of a "job for life" is fast becoming a thing of the past, the field of work which you choose is important because it will determine where you will spend a good deal of your working life and will also define how many opportunities you will have to branch out using your basic skills set. So, choose wisely and select a field that encompasses as many of your talents as possible, to allow you to the greatest freedom and leeway for shifting around a field doing different jobs with a good set of basic skills, along with a good dose of solid confidence in your worth and abilities.

Below are some steps which you can follow:

Begin by determining what you like to do. A lot of people look to others to determine their career paths: teachers, parents, neighbors and peers. Think about people you respect and what they do for work. Take time to map out your wants and to match your skills with skills that are actively sought within certain fields of work. This will involve a fair bit of research work but it is well worth it.

Identify the skills you use when you're doing the thing(s) you enjoy. Look at the things you are good at doing already. These will give you a very good indication of what you are likely to enjoy doing by way of a career. Once you have identified a potential field, you are then ready to match your skills.

Think of fields broadly. A field of work is far more than a single job. It is an area in which many jobs or trades are possible and you should be able to consider your training and interests in terms of looking for a career path that will give you a shot at least five related types of jobs that are available within that field. For instance, if you learn engineering, you might consider being an engineer out in the field (such as oil production), a manager of a site, an office manager, a trainer of engineering skills and a consultant in engineering. Realize that the breadth of the field will be determined in part by the training you receive and also by your own personal, up-to-date "skills set", as well as your willingness to try new things and to be retrained.

Consider cross-field work. When working out what you would like to be and what you will need to study to get to this point, give consideration to the possibilities involved in crossing fields; for instance, many students are good with word skills and hence make excellent editors and publishers. Think outside the square your title bestows (or will bestow) upon you.

Learn as much as possible about the qualifications required for fields that interest you. Library, Internet and direct contact research will be required here. It is also helpful to ask your school, local community services, university etc. for assistance in career choices and development. Your thorough research will help you to determine quickly which areas you want to study in, as well as the depth of study required. Dig deep and look at third and fourth year subject/skills training requirements as well, so that you don't find any nasty surprises awaiting you, such as additional time or harder skills that do not match your interests or abilities.

Find people who work in the field and learn from them. Once you have worked out which specific jobs interest you, speak to those already working in these areas. This will enable you to hear their suggestions and to ask them what they like and dislike about the field in which they work. Sometimes you may even have an opportunity to do some work experience with a place that interests you, to help you to "get a feel" for the work involved.

Evaluate your choice of field according to your own perceptions and the information you have gathered. Assess the comments you've received, weigh these up with your research work and add in your own feelings about your potential career path. This is now the time to decide whether this career continues to appeal to you. Do not forget to include the type of lifestyle you would like in the balancing equation. If you make enormous compromises as to the type of lifestyle that you ultimately want, you may be unhappy and live to regret this. As such, it is wise to try and combine your career choice with a lifestyle balance, with minor or short-term compromises rather than major, long-term ones.

Sign up for an educational or training program in the career of your choice. While studying, do not neglect to take advantage of networking opportunities and chances to work in your career field either as a volunteer or in short-term paid positions. These opportunities will give you the best possible feel for the work and the types of people in the field that you will be working with. It will help you to filter out any unneeded areas of study or to take on additional subjects and skills training that may be of possible use and could help to extend your horizons.

Keep positive. When you are finally trained and ready to find that dream career, the most important thing is to maintain a positive outlook about your life and to be ready for change, difference and shifts in your comfort zones. This is the real world and it moves rapidly; it is important to keep up with changes and to take a positive approach by making opportunities out of challenges.

By:

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In this Issue!

Upcoming Technologies that may change the World

Form 1…3D Printing

Just as the term suggests, 3D printing is the technology that could forge your digital design into a solid real-life product. It's nothing new for the advanced mechanical industry, but a personal 3D printer is definitely a revolutionary idea.

Everybody can create their own physical product based on their custom design, and no approval needed from any giant manufacturer! Even the James Bond's Aston Martin which was crashed in the movie was a 3D printed product!

Form 1 is one such personal 3D printer which can be yours at just $2799. It may sound like a high price but to have the luxury of getting producing your own prototypes, that's a reasonable price.

Imagine a future where every individual professional has the capability to mass produce their own creative physical products without limitation. This is the future where personal productivity and creativity are maximized.

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.

There are premium products in the market that can do the same, but Rift wants you to enjoy the experience at only $300, and the package even comes as a development kit. This is the beginning of the revolution for next-generation gaming.

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.

Slice with your eyes
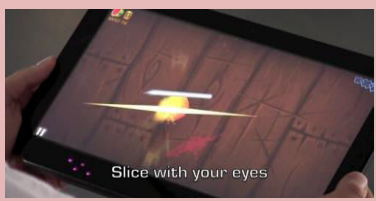
They successfully created the technology to allow you to control your tablet, play flight simulator, and even slice fruits in Fruit Ninja only with your eye movements.

Happenings @ Dept. of I.T. in the month of October, 2013

In this Issue!

Felicitation Ceremony for the meritorious students of MCA Programme

Meritorious Award Ceremony for the felicitation of students of MCA Programme based on the performance in External examination conducted by M.T.U, Noida during May - June, 2013 was organized on 1st October, 2013. Objective of this event was to appreciate the efforts of the students and encourage them to improve their academic performance in a healthy competitive manner.

TOP-3 Students of MCA -1st year

Ms. Shweta Garg receiving merit certificate and cheque worth Rs. 15,000/- for securing Ist position

Ms. Shikha receiving merit certificate and cheque worth Rs. 10,000/- for securing 2nd position

Mr. Puneet Kumar receiving merit certificate and cheque worth Rs. 5,000/- for securing 3rd position

TOP-3 Students of MCA -2nd year

Ms. Komal Gupta receiving merit certificate and cheque worth Rs. 15,000/- for securing 1st position

Ms. Sakshi Gupta receiving merit certificate and cheque worth Rs. 10,000/- for securing 2nd position

Ms. Hunny Garg receiving merit certificate and cheque worth Rs. 5,000/- for securing 3rd position

Happenings @ Dept. of I.T. in the month of October, 2013

Workshop on Android Application

 FCS Software Pvt. Ltd., Noida has successfully conducted a workshop on Android Application development for the MCA 2nd & 3rd year student on 1st Oct. 2013. Android is one of the cutting edge technology in the software development market and lots of job opportunities are available on the same technology. Workshop covered Introduction of Android Operating System, Android SDK and emulator's configuration, Android software design and coding using Java and Demonstration using small applications.

3- days training on PHP for MCA students @ I.T.S, Mohan Nagar
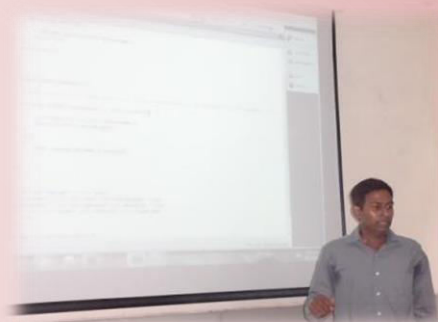
Arsh Technologies Pvt. Ltd. Delhi has successfully conducted a Three days training on PHP for the MCA 3rd year student on 2nd ,4th & 7th Oct. 2013. As we know that PHP is a cutting edge technology in the Web Application development and lots of job opportunities are available on the same technology. It was great opportunity to enhance the employability to the students. Workshop covered different topics like String & One – Dimensional array handling , Multi-dimensional Array, User define functions & from Basics ,Web Form Processing, Data base connectivity and data base manipulation and Jquery for the form validation.

Happenings @ Dept. of I.T. in the month of October, 2013

8th National Conference on Next Generation Computing Technologies & Applications (NGCTA – 2013)

Some glimpses of NGCTA-2013

8th National Conference on Next Generation Computing Technologies & Applications (NGCTA – 2013) was organized at I.T.S, Mohan Nagar, Ghaziabad by Department of I.T. on 5th October, 2013.

Dr. A.K.Nayak, Chairman – CSI Division III addressing as the Chief Guest in NGCTA-2013

Sh. R.K.Singh, Asst Registrar for Corporate Affairs (Delhi & Haryana States), Ministry of Corporate Affairs, Govt. of India addressing as Key note speaker in NGCTA-2013

Dr. Dharmendra Singh, Professor & Head (Information Superhighway Lab), IIT Roorkee shares his experience in NGCTA-2013

Shri. S.K. Kaw, Managing Director – Paramarsh Infotech Ltd. at NGCTA-2013

Dr. M.N.Hoda, Director, BVICAM, New Delhi at NGCTA-2013

Dr. K.K.Biswas, from IIT Delhi at NGCTA-2013

Happenings @ Dept. of I.T. in the month of October, 2013

Industrial visit to Sopra India for the students of MCA

On 24-10-2013, there was an Industrial visit to Sopra India Pvt. Ltd., Noida for the students of MCA-III sem, who are working on Sopra project. Total 22 students along with 3 faculty members, Dr Sunil Kr. Pandey, Prof. Ashima Khanna and Prof. Varun Arora.

Mr. Debashish Parida took one session on complete SDLC with some live example. In this session Mr. Debashish told the students all the models of Software Process and how we use it. Students were amazed to see the professional work lifestyle at Sopra. Students had interaction with professionals.

GO Green… Environment Care Exhibition by MCA 1st year students

Department of I.T has organized GO Green…Environment Care, an exhibition on 28th October, 2013. In this event, Posters prepared by MCA 1st year students were displayed. The objective of this activity was to make student concern for the environment and to make aware them about the issues related to environment. More than 100 poster were submitted for contest, out of which 55 poster were selected and displayed in the exhibition. The final evaluations of prizes were done on the basis of idea & creativity, presentation and relevancy of the theme by the panel of judges. The event was coordinated by Prof. Ashima Khanna.

Devansh Tyagi , Nishant and Richa Rathi were declared 1st, 2nd and 3rd winner of the poster making competition. Director IT gave away the prizes to the winners. On this occasion students of MCA 1st year also did some plantation in the I.T.S campus.

Guest Talk by WCF for MCA students

A guest talk on WCF (Windows Communication Foundation) has successfully conducted on 29th Oct. 2013 for MCA V semester students. Mr. Sandeep Karan, Project Trainer, Centre for Advanced Computing, Noida was the speaker for the session. The topics covered in the talk were introduction of Dot Net framework 3.0, Introduction of WCF and its related classes, Application Development using WCF and Demonstration of Small WCF Based application. It was great opportunity to enhance skill of our students.
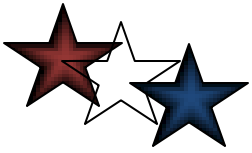
Our Shining Stars

Congratulations!

ASG SOFTWARE PVT. LTD.

ANURAG KATIYAR	BHIMANSHI KAUSHIK	DEEPAK Kr. SAH	SHIVALI

Durlabh Computers Pvt. Ltd.

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PARAMARASH INFORMATICS PVT. LTD.

MOHD. ARIF KHAN	SHILPI SHARMA

I-MAX TECHNOLOGIES PVT. LTD.

SUNAINA TYAGI

Placement Quiz Series

C-Language

1.Study the code:
```
void show()
main()
{
        show();
}
void show (char *s)
{
printf("%s",s);
}
```
What will happen if it is compiled & run on an ANSI C Compiler?
A) It will compile & nothing will be printed when it is executed
B) It will compile but not link
C) The compiler will generate an error
D) The compiler will generate a warning

2.Look at the Code:
```
#include<string.h>
void main()
{
char s1[]="abcd";
char s2[10];
char s3[]="efgh";
int i;
clrscr();
i=strcmp(strcat(s3,strcpy(s2,s1)),strcat(s3,"abcd"));
printf("%d",i);
}
```
What will be the output?

A) No output B) A Non Integer C) 0 D) Garbage

3.Look at the Code:
```
main()
{
int a[]={1,2,3},i;
for(i=0;i<3;i++)
```

```
{
    printf("%d",*a);
    a++;
}
}
```
Which Statement is/are True w.r.t the above code?

I. Executes Successfully & Prints the contents of the array
II. Gives the Error: Lvalue Required
III. The address of the array should not be changed
IV. None of the above.

A)Only I B) Only II C) II & III D) IV

4. What will be the output of following code?
```
void main()
{
  int i=0;
 for(;i<5;i++);
  printf("%d",i);
}
```
A)   01234
B)   5
C)   1234
D)   6

5. What will be the output of following code?
```
void new1();
void main()
{
        new1();
        printf(" Hello");
}
void new1()
{
        printf(" Hi");
        main();
}
```
A)   Hi Hello Hi Hello……...
B)   Hello Hi Hello Hi………..
C)   Hi Hi Hi Hi……………..
D)   Hello Hello Hello……...

Solutions will be published in November issue

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Answer to last Quiz Riddles

1.There were only three people. Son, his father and his grandfather.

2. Jenita's color should be yellow. John's color cannot be violet and red, it might be yellow or green. As Jenita's color is yellow, so John's color will be green. Maria's do not like violet, so her color must be Red. Then Julie's color is violet.

3. Although there are many socks in the draw, there are only three colors. So, four socks are enough to match one pair.

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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