Dr. N.G.P ARTS AND SCIENCE COLLEGE

An Autonomous Institution Affiliated to Bharathiar University
Re - Accredited by NAAC with 'A' Grade
COIMBATORE - 641 048

News Letter 2016-2017 - EVEN Semester

DEPARTMENT OF COMPUTER APPLICATIONS

ABOUT THE DEPARTMENT

The Department of Computer Applications was established during the year 2007-2008 after the bifurcation from the Department of Computer Science. The Department provides blooming trends in cyberspace opportunities to the student and to meet the challenges in the world. The course provides a sound academic base from which an advanced career in computer application can be developed. This is an undergraduate program where students are exposed to various areas of computer applications including the latest developments keeping pace with the industry.

Objectives:

- To demonstrate a sound knowledge in key areas of computer applications, industrial computing and concepts in key areas of computer science.

- To carry out the required analysis and synthesis involved in computer systems, information systems and computer applications.

- To demonstrate professional competence in developing software and in its design and implementation.

- To develop sound practical skills to enable the students in addressing problems of computer systems and applications.

Activities for the Academic year 2016-2017(EVEN Semester)
Association Activities

Guest Lectures

▸ Guest Lecture on Career Opportunities in Logistics & Shipping by CAPT. S. BASKARAN, Campus manager, Good Ocean Maritime, Institute of Logistics, Chennai, on 14th December 2016 at Seminar Hall II.

▸ Guest Lecture on Effective Communication at Kambar Arangam by Mr. Sakthivel Murugan, Trainer, Be Positive Institute of Skills on 15th December 2016.

Seminar

▸ Seminar on Hardware and Networking at Hall No:411 by Mr.M.Kannan, Assistant Professor, Department of ComputerTechnology, Dr.N.G.P Arts and Science College on 4th January 2017.

▸ Seminar on Cyber Security at Kambar Arangam by Mr.I.L.Narasimha Rao, Project Manager, Center for Development of Advanced Computing, Hyderabad on 25th January 2017.

Conference

▸ One day National Level Conference on Emerging Trends in Big Data Technologies and Research Issues held on 24th February 2017 at Kambar Arangam.

Extension Activity

▸ Extension activity on 17th Feb 2017, Computer Education at panchayat union middle school, Saravanampatti.

Online Certification

• C++ Programme.
• Android
• Big Data and Hadoop Essentials
• HTML and CSS
• Training programme through ICT

Linkages with Professional body

The Department has linkage with Professional body Computer Society of India and has a student Branch "DR N.G.P CSI Student Chapter" for the betterment of the students through number of Student Development Programmes .

Academic Achievements

Pass percentage

Final year BCA students have secured 94 % (out gone) result in April 2016 examinations.

Proficiency

▸ C.B.Banupriya of I BCA 'A' has secures 90%

▸ T.Gayathri of II BCA 'B' has secured 90%

▸ P.C Divya Priya of III BCA 'A' has secured 91%

Sports Achievements

▸ S. Prabhu of II BCA 'A' has participated in National level Power Lifting.

▸ R.Renjith of II BCA 'B' has participated in Various University Level Volley ball tournament

▸ A.Praveen of I BCA 'A' has won overall championship in College Sports Day

Placement Achievements

Nearly 132 final year student got offer from various MNC'S such as TechMahindra-(1), Wipro(31), Hexaware Technologies(1), Infosys IT(6), IBM(2), Accenture(15), TCS(26), CTS(7), Reliance(11), AGS(2), DICOM(3), Vee Technologies(7), EP Technologies(8), HDFC(6), Hinduja global(4), IDBI Federal bank-3.

Achievements by the Student in Inter college competitions

More than 50 students from BCA eagerly participated in various competitions like Paper Presentation, Debugging, Quiz, Marketing etc which was conducted by various colleges.

Achievements by staff

Publications by Faculty

1. Dr.R.Kousalya, Professor and Head, published an article on Multiple Video Instance Detection and Retrieval using Spatio Temporal Analysis using Semi Supervised SVM Algorithm International Journal of Computer Applications 0975-8887 Volume 163 No 4, April 2017.

2. Dr.R.Kousalya, Professor and Head, published an article on Review on big data analytics and hadoop framework International journal of innovations in scientific and engineering research 2347-9728 Vol 3 Issue3 March 2017.

3. P. Dinesh Kumar, Assistant Professor, published an article on ZIGBEE with XMPP Application Server Instant Message Communications Tools International Journal of Trends in Research and Development 2394-9394 Vol 3(6) Nov-Dec 2016.

4. Bharathi Anbarasan, Assistant Professor, published an article on The Internet of Things-The Thing to Watch International Journal of Scientific Research in Science Engineering and Technology 2395-1990 Volume3.Isssue3, May 2017.

5. R.Rajesh Kanna, Assistant Professor, published an article on ZIGBEE with XMPP Application Server Instant Message Communications Tools International Journal of Trends in Research and Development 2394-9394 Vol 3(6) Nov-Dec 2016.

6. R.Rajesh Kanna, Assistant Professor, published an article on An improvement of energy efficient multipath routing node management techniques for MANET. Journal of Computer Science and Engineering 2456-1843 Vol (6)2016, Issue No 12 December 2016.

7. S.Poorana SenthilKumar, Assistant Professor, published an article on ZIGBEE with XMPP Application Server Instant Message Communications Tools International Journal of Trends in Research and Development 2394-9394 Vol 3(6) Nov-Dec 2016.

8. K.Suguna, Assistant Professor, published an article on An efficient mining technique for web cache of server log files International journal of Advances in engineering & Technology 22311963 Vol6 Issue 6 December 2016.

9. K.Suguna, Assistant Professor, published an article on Frequent Pattern Mining of Web Log Files Working Principles International Journal of Computer Applications 0975-8887 Vol 157-N0 3,January 2017.

10. Dr.D.Devi Aruna, Assistant Professor, published an article on Comparison of Various image edge detection techniques for brain tumor detection International journal of scientific research in computer science engineering and information technology 2456-3307 Vol 2,Issue1,Feb 2017.

11. Dr.D.Devi Aruna,Assistant Professor, published an article on Brain Tumor Image Segmentation using K-means Clustering Algorithm International journal of scientific research in computer science engineering and information technology 2456-3307 Vol 2,Issue1,Feb 2017.

Participations by Faculty

1. Dr. R. Kousalya, Assistant Professor, participated in workshop on Digital Connectivity- Social impact at Computer society of India(CSI), Le Meridien on 23rd ,24th and 25th Jan 2017.

2. B.Ramya, Assistant Professor, participated in workshop on Medical Image and signal Processing using MATLAB : A Research Perspective at Kongu Engineering College 18th Feb 2017.

3. R.Rajeshkanna, Assistant Professor, participated in workshop on Digital Connectivity- Social impact a Computer society of india(CSI), Le Meridien on 23rd ,24th and 25th Jan 2017

4. R.Rajeshkanna, Assistant Professor, participated in workshop on Deep Learning and Game Theory at CSI on 22nd Jan.2017

5. S.Poorana Senthilkumar, Assistant Professor, participated in workshop on Exploring Data Science-An insight in to data engineering at Teknoturf, coimbatore on 27th and 28th Jan 2017

6. K.Suguna, Assistant Professor, participated in workshop on Medical Image and signal Processing using MATLAB : A Research Perspective at Kongu Engineering College 18th Feb 2017.

Guest Lecture

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National Level Conference on Emerging Trends in Big Data Technologies and Research Issues (NCEBTR 2017) on 24th Feb 2017.

PHOTOSHOP
ABSTRACT

Photoshop is designed to get you up and running with Adobe Photoshop. Whether you are new to Photoshop or just brushing up because you haven't used it for awhile, this guide should help.Most of the material should be relevant regardless of the version of Photoshop you are using. This guide covers core Photoshop techniques in Photoshop CS5, but the user interface is pretty consistent from one version to another.Some features may work slightly differently, but the concepts are the same.

Why Photoshop?

Information includes not only text and numbers, but images as well. The expression "a picture is worth a thousand words" is as true today as ever.

Adobe Photoshop is the industry-standard tool for digital imaging, which makes Photoshop expertise a valuable commodity in the workplace. Learning Photoshop is also a good way to learn imaging concepts. Concepts you learn from working with Photoshop apply to other imaging tools as well (including Photoshop Elements, which has a very similar user interface and features).

What is Photoshop used for?

Photoshop is a graphics-editing program that is used to create and manipulate images. The program's versatile nature makes it useful for a huge range of imaging tasks, and Photoshop is used in fields as diverse as architecture, astronomy, animation, forensics, web design and medicine.

Architects use Photoshop's 2-D- and 3-D-rendering and editing tools to create more realistic design models for building projects. Photoshop's editing tools allow architects to enhance the images they create, adding shadows and texture to make models more realistic. Astronomers make use of Photoshop's image enhancement features to process photographs of space, analyzing the images to learn more about the stars. Animators use Photoshop's multilayered rendering system to create complex characters and backgrounds. They can also use the program to edit backgrounds and create animations from still images.

Forensics technicians commonly use Photoshop to process the vast amounts of photographic evidence that come from crime-scene photos. Photoshop allows technicians to process fingerprints and enhance images of crime scenes. Photoshop plays a prominent role in web design, helping site designers to create the backgrounds, text, site buttons and 3-D artwork for modern web sites. Designers can also use Photoshop to enhance photos and images for use on websites. Photoshop's image-analysis and measurement features help physicians analyze medical images, allowing doctors to better understand their patients' conditions and communicate about them more effectively.

When was Photoshop invented?

The raster graphics editing software Photoshop, currently produced by Adobe Systems, was originally created in 1988 by brothers John and Thomas Knoll. The first retail version of Photoshop was released exclusively for Apple Macintosh computers in 1990.

The original program created by Thomas Knoll was called Display. It was much simpler, but his brother John was impressed and thought it was similar to software he used on his job at Industrial Light and Magic. After further development, the program was called ImagePro, but the name was changed due to a conflict with an existing software. By the time Apple first saw it in 1998, it had been named Photoshop, and the name stuck.

CONCLUSION

Photoshop is a powerful raster based graphics program produced by the Adobe Corporation. It has long been Adobe's flagship product, and is widely used for a variety of project and purposes worldwide. The program has a huge number of filters, functions and other tools that help the graphics artist complete his task. In addition, there is a huge support base for Photoshop, with countless online sites devoted to the program filled with tips and tutorials. There are also books, online an college courses and the documentation at Adobe itself. The graphics uses for Photoshop are almost unlimited.

TAMILVANAN
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