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NHCE
IN PURSUIT OF EXCELLENCE

RAPID-SHARE

"A Knowledge Granary"

A Monthly Newsletter from Department of Master of Computer Applications

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Message from Head,

Welcome to the August 2016 edition of RAPID-SHARE!. This exciting edition of May month showcases the Articles, AviSkAra'17 Report , HP Big Data and Analytics Inauguration Report, Books and R&D Publications of our Faculty Members, Synonyms and Antonyms.

Dr.V.Ilango
Head, Professor- MCA, NHCE

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RAPID-SHARE

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Message from Editor

The RAPID-SHARE newsletter is just one of the tools of this MCA Course o connect to our students. It is aimed at all students with an interest in maintaining unity & integrity and hopefully will be able to learn something new and share their experiences and expertise. Each issue will have a focus, and this issue focuses on the Articles, AviSkAra'17 Report , HP Big Data and Analytics Inauguration Report, Books and R&D Publications of our Faculty Members, Synonyms and Antonyms.

Prof.S.P. Sreeja
Professor-MCA, NHCE

Why Rapid - Share?
The **Rapid-Share** Newsletter is published every month for exhibiting the current trends in ICT via staff, students and alumni and various activities of our MCA Department. Igniting the younger minds with Knowledge Granary.

In this Issue....

Latest Updates...
2nd & 4th Semester MCA (Autonomous) Results are Announced

VISION OF NHCE

To achieve total quality in education and excellent knowledge management through specific, measurable, attainable, relevant, time – bound goals and continuous improvement methods.

MISSION OF NHCE

To mould our students into a holistic personality accomplished in emotional, moral, intellectual, social and mental capabilities besides inculcating a capacity for critical and lateral thinking.

GOAL OF NHCE

To adhere to the reputation of being able to channel our human resources and guide the transformation process of every individual's dream into a reality.

QUALITY POLICY OF NHCE

To provide education services of the highest quality both curricular and co-curricular so that our students can integrate skills and serve industry and society equally well at the Global level.

VISION OF MCA DEPARTMENT

To impart quality education and knowledge, necessary to transform students from novice to professional in the field of IT and ITES with a research–oriented approach

MISSION OF MCA DEPARTMENT

To nurture students with a holistic approach, to inculcate knowledge, expertise and attitude with the ability to think critically, rationally and innovatively

QUALITY POLICY OF MCA DEPARTMENT

To impart excellence in the art of education both curricular and co-curricular, as a result of which our students learn to blend technical proficiency and humanity in serving the industry and society equally well at the global level

Pervasive Computing – A Review

Pervasive computing is an emerging trend associated with embedding microprocessors in day-to-day objects, allowing them to communicate information. It is also known as ubiquitous computing. The terms ubiquitous and pervasive signify "existing everywhere." Pervasive computing systems are totally connected and consistently available. Pervasive computing goes past the arena of desktops so that virtually any device, from apparel to kitchen appliances, could be embedded with microchips, connecting these devices to a boundless network of other gadgets. Pervasive computing creates an unobtrusive environment with full and integrated Internet connectivity. A combination of technologies is used to make pervasive computing possible, such as Internet capabilities, voice recognition, networking, artificial intelligence and wireless computing. Pervasive computing devices make day-to-day computing activities extremely easy to access. Pervasive computing also has a number of prospective applications, which range from home care and health, to geographical tracking and intelligent transport systems. A distinct problem with pervasive computing is that it is not entirely secure. The devices and technologies used in pervasive computing do not lend themselves well to typical data security. This is because they combine in an ad hoc manner within the pervasive network. As such, trust models must be developed in order to ensure tighter security. Other disadvantages of pervasive computing include frequent line connections that are broken, slow connections, very expensive operating costs, host bandwidths that are limited in nature and location-dependent data. All of these instances can impede the security of pervasive computing because they result in multiple system vulnerabilities.

Dr.V.Ilango
Professor & Head – MCA

AviSkAra'17 Report

The MCA Department of New Horizon College of Engineering has organized **AviSkAra'17,** a One Day conference on **13th of May 2017.** The conference was started with devotional song by the student volunteers and was followed by lighting the lamp. **Mr.Vivek Jha** , SAP Consultant , SAP Bangalore , Chief Guest of the Day inaugurated the Conference and released the soft and hard copy of the Conference Proceedings. He expressed his views regarding the placement and the industrial expectations. He also highlighted about the real time and innovative projects to be done by the students during their tenure of study. Over **165** papers were presented by the **6th Semester MCA students** in the conference. **Dr.V.Ilango** presided over the Conference. **Dr.V.Asha** and **Mr.Thirmoorty** Conveners , All the Teaching and Non-Teaching Faculty Members of the MCA Department have made all the arrangements for the successful conduction of this conference.

Dr. V. Ilango, Mr. Jha Vivek, Dr. V. Asha at AviSkAra Conference

AviSkAra Conference

Release of **AviSkAra Conference Proceedings**

Dr.V.Asha

Professor, MCA - NHCE

Hewlett Packard Enterprise establishes Big Data and Data Analytics Center of Excellence New Horizon College of Engineering

Hewlett Packard Enterprise has signed MoU with New Horizon College of Engineering to offer courses on Big Data and Data Analytics. The Centre of Excellence with state of the technology Lab at New Horizon campus was inaugurated on 24th May 2017.

HP Centre of Excellence on Big Data and Data Analysis

This is the first time in India that HPE has collaborated with an educational Institution for its flagship industrial use Vertica Big Data and Data Analytics product suite. Mr.Haresh Krishna Kumar, Country Manager for Big Data, Hewlett Packard Enterprise said 'how to use different open sources and proprietary tools for integrating them to Vertica for real time analysis

and solutions. He also explained HPE Vertica enhances the performance of data with real time inferences, directions etc. Dr.Manghnani advised student community to utilize the Big Data technology being offered at New Horizon College of Engineering. He also told all the graduating engineering and management students will get opportunity to work in different corporates as interns based on their hands on skills on Big Data and Data Analytics. "Hewlett Packard Enterprise is collaborating with New Horizon to train fresh engineering and MBA graduates who may have the edge over other students because of their hand on exposure to Big Data and Data Analytics tools and techniques" says Dr.Lakshminarayana, Director-Training and Placements at New Horizon College of Engineering.

HP Centre of Excellence on Big Data and Data Analytics

Collaboration highlights:

- The whole objective is to make fresh engineers and business management graduates more capable, creative & have innovative approach in thinking using data Science, Data Management and Data Analytics techniques and tools.
- To develop resources those can be absorbed from College & ready to perform in various sectors like Banking, Telecom, Manufacturing, E-commerce, Retail etc.
- HP E will be engaged in overall development of students & NHCE will invite Industry professionals to enhance Big Data Analytics skills through hands on sessions, guest lectures etc.

HP Centre of Excellence on Big Data and Data Analytics

HP Centre of Excellence on Big Data and Data Analysis

TOPIC::'Dream Big, You Have No Limits'

The basic rule for success is for you to continue to remind yourself that you are where you are, and what you are because of yourself. You are in your current situation because you have decided to be there. You have made the individual choices and decisions that have gotten you to your current place in life. If you want to go somewhere else or be someone else, it is totally up to you to make the choices and decisions today that will eventually get you there. And there are no limits. Positive Thinking Will Change Your Life: "If you want your life to get better, you have to get better." This simply means that your outer world will be a reflection of your inner world. If you want your outer world to improve, you must go to work on improving your inner world. The great tragedy is that the world is full of people who are trying to change the outside world without going to work on the one thing that they can control, their own thinking!

Change Your Thinking:

"If you change the quality of your thinking, you change the quality of your life." And since you can change the quality of your thinking almost infinitely, there are no limits on how you can change and improve every part of your life, in any direction you want to go. The starting point of great success and achievement has always been the same. It is for you to, "dream big dreams." There is nothing more important, and nothing that works faster than for you to cast off your own limitations and begin dreaming and fantasizing about the wonderful things that you can become and have and do.A wise man once said, " You must dream big dreams for only big dreams have the power to move the minds of men." When you begin to dream big dreams, your level of self-esteem and self-confidence will increase immediately. Your self-image improves. You feel more positive about yourself and your ability to deal with whatever happens to you. The reason so many people accomplish so little is because they never allow themselves to let go and just imagine the kind of life that is possible for them.

Ms. Suchandra Paul,
4th Semester MCA

GLOBAL WARMING

Global warming is a gradual process of earth surface and whole environment including ocean, ice caps etc. The rise in atmospheric temperature has been clearly noticed in the recent year. According to the estimate facts, there is an increase in the earth's average temperature by the 14 degree Fahrenheit. There are many causes for Global warming today. They may be either natural cause of human mode cause. The most important cause of global warming is greenhouse gases which are generated by some natural process as human activities .The increase in the level of greenhouse gases is due to the increase in population, economy and use of energy which has resulted in the greater amount of release of carbon dioxide (CO_2) and sculpture dioxide (SO_2) other greenhouse gases include methane, nitrous oxide, halo carbon, chlorofluorocarbon (CFCS), chlorine and brurnine compounds. Another cause of global warming is depleture of ozone layer which protects the Earth surface.

The effect of global warming has been very clear in the recent years because of increasing sources of global warming. Global warming has led to the melting of many numbers of glaciers.

It has resulted in the huge climatic changes which are making hurricanes more dangerous and powerful. Global warming causes a lot of climate changes in the atmosphere such as increasing summer season, decreasing winter season increasing temperature ,changes in air circulation patterns, jet stream, rain without season ,meeting ice caps, declining ozone layer, occurrence of heavy storms, cyclones, flood, drought and many more. Hence, it is a need of the hour to protect our earth's surface from global warming, many awareness programs and programs to reduce global warming have been run and implemented by the government agencies, business leaders, private sectors, WGO's etc. Though the damages which are already caused cannot be restored but necessary measures can be taken to reduce human cause for global warming. We should try to reduce the emission of greenhouse gases to the atmosphere .Reducing the level of coal and oil burning, use of transportation means, use of electronic device etc., may reduce the global warming to a great level. Natural sources of energy should be utilized and afforestation should be undertaken.

Ms. Sanghamitra Nayak,
2nd Semester MCA

BOOKS PUBLISHED BY THE FACULTIES

S.No	Title of the Book	Author	Co-Author	Name of the publisher	Month of Publication
1	Enterpreneurial Development	Dr. V. Ilango	Prof.M Krishna Chandra	Charulatha Publications	May-17
2	Information Management	Prof.M Krishna Chandra	Dr. V. Ilango	Charulatha Publications	May-17
3	Human Computer Interacton	Prof.Nirmala A P	Dr.V.Asha	Charulatha Publications	May-17
4	Operating Systems	Dr.V.Asha	Prof.Nirmala A P	Charulatha Publications	May-17
5	Computer Architecture	Dr. R. Chinnaiyan	Prof. S. P. Sreeja	Charulatha Publications	May-17
6	Design & Analysis of Algorithms	Prof. S. P. Sreeja	Dr. R. Chinnaiyan	Charulatha Publications	May-17

PAPER PRESENTATION DETAILS OF THE FACULTIES

S.No	Name of the Staff	Name of the Journal/Conference/ Events/Publisher	Title of the Paper/Book: Published/ Presented	Vol No. /Sl.No./ pp. / ISSN No. / ISBN No.
1.	Prof. S. N. Kavitha	IJCRD	Employing Map Reduce Framework in Hadoop Cluster for Optimization	Vol.6, Issue. No.4 May 2017
2.	Prof Vishwanatha C R	IJSRCSEIT	RFID Based Laundry Management System	Vol.2 Issue. No.2 April 2017
3.	Dr. V. Asha	IRIT-2017	Unsupervised Method Of Identification And Extraction Of Camouflaged Objects In Synthetic Textures & Comparison Of Test Results	Conference Proceedings- NHCE
4.	Dr. R. Chinnaiyan	IRIT-2017	Reliable Personal Diary Management System	Conference Proceedings- NHCE
5.	Dr.R.Chinnaiyan	IRIT-2017	Reliable Software Testing with Different Phases of SDLC	Conference Proceedings- NHCE
6.	Prof. N Thirmoorthy	IRIT-2017	Patient Navigator	Conference Proceedings- NHCE
7.	Prof. Krishna Chandra	IRIT-2017	Testing The Survey Of Shift-Based System For Teaching Learning Method With 360 Degree Paradigm	Conference Proceedings- NHCE
8.	Prof. Binoj M	IRIT-2017	Fixed Income Rating (Textual Metadate Extraction using VBA and Eikon from CSV By Excel)	Conference Proceedings- NHCE

PUBLICATIONS BY FACULTIES

UNSUPERVISED METHOD OF IDENTIFICATION AND EXTRACTION OF CAMOUFLAGED OBJECTS IN SYNTHETIC TEXTURES & COMPARISON OF TEST RESULTS

Dr. V Asha
Asso. Professor, Dept. of MCA, NHCE

Abstract - Camouflage is an art of hiding an object by making it appear similar to the background in such a way that human vision system fails to identify the hidden object. In the present paper, I have designed and proposed a new algorithm for detection and extraction of camouflaged objects in synthetic textures using textural periodicities calculated based on one-dimensional distance matching function and first order statistics. The algorithm first determines row and column periodicities and therefore size of the texel. Camouflages are then identified and located based on the statistical properties of all the texels without any prior knowledge about the background texture.

Keywords: *Camouflages, Periodicity, Texel, Distance matching function, Mean, Variance*

SYNONYMS

constancy	fidelity
constant	fixed
constitution	structure
construction (lit.)	interpretation
to consult	to refer to
contemporary	modern
continuous	continual
contrary	opposite
convention	conference
to convey	to communicate

ANTONYMS

borrow	lend
bravery	cowardice
build	destroy, demolish
bold	timid, meek
bright	dull
broad	narrow
clear	vague, cloudy
careful	rush, careless
calm	troubled
capable	incapable
borrow	lend

Contribute to Rapid-Share

We invite all MCA students and faculty members to contribute articles to the subsequent issues of Rapid-Share. The articles can be either technical or general depending upon your field of interest. All submissions have to be under 500 words. Please send your articles to e-mail address (see front page) with your name, department, year of study (designation in case of faculty members).If you want your achievements and activities to be highlighted in this newsletter, please get in touch with your respective faculty and student coordinators (see front page).

Feedback

The Editorial Board requests all readers to provide their valuable feedback regarding the content and design of the newsletter. New ideas regarding columns and content will be appreciated.

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