What’s making the news...

National Conference
The National Conference on Recent trends in Network Security was inaugurated by Prof. V Vaidehi, Chairman (I.C.E) & Director, AU- KBC Research Center, Madras Institute of Technology, Anna University, Chennai.

Tamizhan Da...
A look at some of the great personalities from Tamil Nadu, who have reached great heights in the software industry.

Challenges that Await IT Professionals
Mr L M V Ramamurthy, Director, Value Soft Services shares his views.


Congratulations to the March Past Winners
The combined efforts of both I and II year students of MCA under the guidance of Mr. K.K. Nagarajan, Asst. Prof. has won accolades for the department.

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It is a moment of great pride that the MCA department is bringing out the inaugural issue of their newsletter IMPRINT. I am sure this will be a platform for the students to showcase their latent talents both academic and extra-curricular. I hope this newsletter will encourage students to articulate their thoughts and utilise this forum to the fullest. I eagerly look forward to the forthcoming issues of IMPRINT and I am confident that this will develop into a powerful forum for exchange of ideas and peer-learning.

I wish the team all the best.

Prof. B. Srinivasan
Director, SSN School of Management
“You are never too old to set another goal or to dream a new dream”

With great pleasure, I write this foreword for the inaugural publication of MCA department newsletter “IMPRINT”. Through this newsletter, I am happy to share various activities and achievements of our faculty and students during the past six months.

The department has successfully organized a National Conference on Recent Trends in Network Security (NCRTNS’14). I would like to congratulate the coordinators Mr S. S. Nagamuthu Krishnan and Mr. K. K. Nagarajan and all the department faculty for organizing the same.

In order to expose our students to various niche technologies leading to alternate career paths, we had planned to conduct various student workshops. In this context, workshops on Android and PHP were conducted for final year students to strengthen their technical skills to succeed in the career. I wish to place my appreciation to the workshop organizers Mr K. G. Madhwaraj and Ms. A. Subashini.

I extend my warm appreciation to our alumni who have always readily contributed towards department building from conducting training programmes, to giving invited talks, from bringing placements and internships, to mentoring the students and creating alumni scholarship for needy students, the list is long. Dwaraknath Bakshi, N. Ramanan, Kaushik Krishnan, Sivanand S, Dinesh Kumar, Palani RamKumar, S. Prasanna, Raghuram, John Eipe, Karthikeyan and Priyadharshini E are some of the names that come to my mind. I take this opportunity to thank them all. If I have missed some names, that is definitely not intentional. I also thank Ms. Geeta Santhosh and Ms. A. Subashini for maintaining the alumni interface.

The newsletter also highlights the various research activities including internal funded projects and publications of our faculty.

Congratulations to the student and faculty members of newsletter team for their efforts in bringing out this maiden issue. I look forward to sharing many more activities and achievements from our department.

I look forward to your feedback and suggestions.

I hope you enjoy our maiden attempt.

K. Subhash babu
Professor & Head – MCA Programme
NCRTNS’14

A NATIONAL CONFERENCE ON RECENT TRENDS IN NETWORK SECURITY

The Department of Computer Applications conducted the National Conference on Recent Trends in Network Security on 25th June, 2014. The conference was inaugurated by Dr. V Vaidehi, Chairman (I.C.E) & Director, AU- KBC Research Center, Madras Institute of Technology, Anna University, Chennai. She delivered a key note on various aspects of IT security.

Prof. B Srinivasan, Director, SSN School of Management presided over the valedictory. Out of the many papers we received, 13 papers were selected for the Conference. After further review and selection they will be published in i-manager’s journal. Dr R. Amutha, Professor, ECE Dept. and Dr K Prem Kumar, Associate Prof., IT Dept. of SSNCE were the session chairs in the conference. The conference was coordinated by Mr. S.S. Nagamuthu krishnan and Mr. K. K Nagarajan, Assistant Professors of MCA Dept.

TENTH TIME IN A ROW

Kudos to the March Past team who have bought laurels to the department on the sports day held on March 26, 2014. It is the tenth consecutive win for the department.

Under the able guidance of Mr. K.K.Nagarajan, Asst. Professor, Department of MCA, both the first year and second year MCA students were able to make it to the trophy.

A special mention to Koushik Subramanian of MCA 2014 batch who was both the trainer and mentor for the team. He was a cadet in the National Cadet Corps.

Our team sends out special thanks to Dr. P.Nithyanandham, a well-wisher of the department who was there to motivate the students.

The students marched for the cause of Women’s Empowerment.

In the end, the team dedicated the win to the victims of MH370 Malaysian Airlines, which got lost midway in its flight course on March 8, 2014.

The PG Team hopes to continue the winning streak in the years to come.
Faculty News

June 2014

Mr. C. Jeyakarthikeyan, Asst. Prof. MCA Dept., participated in the faculty development programme on “Predictive Modelling with IBM SPSS MODELER” organized by the SSN School of Advanced Career Education.

May 2014

Mr. C. Jeyakarthikeyan, Asst. Prof. MCA Dept., participated in a workshop on “Avoiding the Risks of Plagiarism in Research Publication” conducted by the CSI and IEEE, Chennai.

Dr. C. Jayakumari, Associate Professor, Ms. J. Karthega, Asst. Prof. and Ms. A. Subashini, Asst. Prof., MCA Dept., attended a Faculty development programme on “Hadoop and Big Data Analytics” organized by SSN School of Advanced Career Education.

Ms. J. Karthega, Assistant Professor, MCA Dept., participated in a seminar titled “Innovative Practices in Software Quality Facilitation” organized by SPIN, Chennai.

March 2014

Ms. A. Subashini, Asst. Prof., MCA Dept., participated in a workshop on “Cloud Architectures and Approaches” conducted by the CSE department, Anna University, Chennai.

Mr. C. Jeyakarthikeyan, Assistant Professor, MCA Dept., participated in a workshop on “SPSS” conducted at the SSN School of Advanced Career Education.

February 2014

Mr. C. Jeyakarthikeyan, Assistant Professor, MCA Dept., participated in a workshop on “Big Data Mining” organized by IEEE Computer Society of India, Chennai at CSI Education Directorate, Taramani, Chennai.

Mr. C. Jeyakarthikeyan, Assistant Professor, MCA Dept., participated in a workshop on “Gamifying Excellence in Delivery” organized by Software Improvement Network, Chennai at the Anna University Alumni Centre, Chennai.

Mr. C. Jeyakarthikeyan, Assistant Professor, MCA Dept., participated in a workshop on “Image Processing” organized by IEEE Madras Section, Chennai at the ISTE Professional Centre, Chennai.

Ms. R. Amuthavalli and Ms. T. Manimegalai, Assistant Professors, MCA Dept., attended the two day workshop on “Research in Wireless Sensor Networks using NS-3” conducted at the KCG College of Technology, Chennai.
Mr. K. G. Madhwaraj, Assistant Professor, MCA Dept., participated in the “India Software Engineering Conference (ISEC 2014)” at the Indian Institute of Technology Madras, Chennai.

Mr. C. Jeyakarthikeyan, Asst Prof., MCA Dept., and Ms. A. Subashini, Asst. Prof., MCA Dept., attended a seminar by Mr. Sundar Vinayakam, TCS on “Big Data Analytics” at the IT Dept., SSN College of Engineering, and Chennai.

January 2014

Mr. C. Jeyakarthikeyan, Assistant Professor, MCA Dept., participated in two consecutive FDPs on “Information Management with DB2” and “Business Intelligence with COGNOS” organized at the SSN School of Advanced Career Education.

Invited Talks

March 2014

Ms. L. Rama Parvathy, Assistant Professor, MCA Dept., delivered a guest lecture on “Database Management System” at the IT department of Velammal Engineering College, Chennai.

February 2014

Ms. L. Rama Parvathy, Assistant Professor, MCA Dept., delivered a guest lecture on “Database Management System- Query Processing and Cost Estimation” at the IT department, Velammal Engineering College, Chennai.

Mr. K. G. Madhwaraj, Assistant Professor, MCA Dept., gave the keynote address in the National Conference on “Information Technology and Higher Education Possibilities and Challenges” organized by St. Anne’s Degree College for Women, Bangalore.

ASSOCIATION OF COMPUTER APPLICATION PROFESSIONALS (ACAP)

MCA Department’s Association of Computer Application Professionals (ACAP) has been started as a forum for the students to exhibit their latent talents in co-curricular and extra-curricular activities. The objective of the association is to facilitate development of many skills that are essential for success today – leadership, team-work, imagination, networking, communication, articulation and a spirit of competitiveness.

The office bearers of the association are:

President  S.R. Ganesh Kumar, III MCA
Secretary  Smita Ashok, II MCA
Jt. Secretary  S J. Shriram, II MCA
The department conducted training programs on PHP and Android for final year students.

**PHP Training Program**

- 23rd June ’14 to 27th June ’14
- 21 students attended
- Resource person was Mr. Ravi Jaya, Director-Operations, Rootcap Linux, Chennai

Topics covered are...

1. Overview Of(L|W|S)AMP stack
2. Overview Of PHP
3. Using Regular Expression in PHP
4. Functions in PHP
5. Handling files in PHP
6. HTTP functions in PHP
7. PHP Database connectors and API

**ANDROID Training Program**

- 23rd June’14 to 30th June’14
- 28 students participated
- Resource people were from Griffin Education Pvt. Ltd, Chennai

Topics covered are...

1. Basics of Android
2. Activities and Intent
3. Android UI Widgets
4. Menus in Android
5. Data Storage
6. SQLite Database
7. Telephony API
8. Google Maps

The faculty coordinators for these programs were Mr. K.G. Madhwaraj and Ms. A. Subashini.
• How to become a Visual Entrepreneur

All the students and faculty attended a seminar on “How to become a Visual Entrepreneur” conducted by Mr. G. Venkatesh Babu, Director, SagarOnSys Institute on Gaming, Multimedia and Animation (SIGMA) Pvt. Ltd.

• Win Win All The Way...

Our students participated in the technical symposium JET EPITOME’14 organized by the MCA department of St. Josephs College of Engineering.

Four of our students won positions in different events.

**Surprise event**

S.Suruthi and S.Srivishalakshi of II year secured 3rd position

**Quiz**

S.Dinesh and D.Venkatraj of III year secured 2nd position

M.KamalRaj and P. Elayaraja of III year MCA won the 1st position in Web Designing in KRANTI’14 organized by Meenakshi Sundernar Engineering College. The same team won the 2nd prize in Web Designing in Carte Blanche’14 organized by MIT and the 1st prize in Niral’14 conducted by Anna University.

Ranjith Kumar V and Sivarajan B of III MCA won the 1st Prize in Web Designing in Calidia’14 organized by MNM Jain College of Engineering.

• HACKATHON Conducted by Avnet Business Solutions

Avnet Business Solutions (Ascendant Technology) conducted Hackathon, a 24 hour long application development event, for the pre-final year students of CSE, IT and MCA departments. Many of our students participated enthusiastically in the event and they have gained the hands on experience of web application development.

• Importance of NoSQL

Mr. Kannan, Wisen Technologies presented a lecture, on “Importance of No SQL in the modern IT era”. The II year students attended the session.

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**Check What Happens When You Search For These Words in Google...**

-M. Tamil selvi II MCA

- “do a barrel roll”
- “askew” or “tilt”
- “Google in 1998”
- “blink html”
- Search for “anagram”
- Try typing “illuminati” in backwards followed by ‘.com’ in your address bar
- Type “Google gravity,” and then hit “I’m feeling lucky”
- Type “Google Pig Latin” and hit “I’m feeling lucky,” guess what happens?
Regarding my placement preparation, I didn’t prepare for tough programs. I mostly brushed up my basics. No matter how big the problem is, first understand the problem completely. Then try to breakdown the problem. At last the problem will be very simple. Concentrate on linked list, string function and know some basics about Map, Set and List.

When a problem is given don’t panic by seeing what others do. First think about the problem don’t start coding as soon as they give the problem. Since you guys are doing practical, programming will not be very difficult. Concentrate on clearing the first round (Aptitude). For some of the students that will be tough. Once you clear the first round you will gain confidence and do better in forthcoming rounds. Try to talk in English. Make others to talk in English. It will give you unbelievable confidence to face HR rounds. This is sufficient to get placed in a reputed MNC.

About the industrial exposure, companies won’t expect anything other than a strong foundation in your basics at the start. They will train you for the job. But once the training is over you have to improve a lot according to your job. Learn about new trends, updates, etc. Keep updated. Have contact with more people.

Love what you do. That will bring you to great heights.

Ms. Geetha Priyadharshini H currently working with ZOHO. She also got placed in two other companies in campus and she won the best outgoing student for the batch 2011-2014.

ALUMNI ACTIVITES

Our MCA Alumni Mr. S. Prasanna, Mr.K Raghuram, Mr.M Karthikeyan & Mr. John Eipe from Avnet Business Solutions (Ascendant Technology) conducted a hands on workshop on J2EE for III year MCA students.

PLACEMENTS 2013-14

The placement scenario at the department, for the year 2013-14 has been fairly good. A total of 32 students were placed in various e software organizations. A spectrum of prominent companies participated in the recruitment drive including Zoho Corporation, Polaris Financial Technology Ltd., Cognizant Technology Solutions, to name a few.

The placement details of the batch 2011-14

<table>
<thead>
<tr>
<th>Company</th>
<th>Number of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zoho Corporation</td>
<td>5</td>
</tr>
<tr>
<td>Polaris Financial Technology Ltd.</td>
<td>10</td>
</tr>
<tr>
<td>Cognizant Technology Solutions</td>
<td>11</td>
</tr>
<tr>
<td>Infosys Technologies</td>
<td>4</td>
</tr>
<tr>
<td>Wipro</td>
<td>2</td>
</tr>
<tr>
<td>Go Frugal Technologies Pvt Ltd</td>
<td>2</td>
</tr>
<tr>
<td>Tata Consultancy Services</td>
<td>2</td>
</tr>
<tr>
<td>Proadapt Solutions Ltd</td>
<td>1</td>
</tr>
<tr>
<td>India Property Online Pvt. Ltd</td>
<td>1</td>
</tr>
<tr>
<td>Excelacom Technology Private Ltd</td>
<td>1</td>
</tr>
<tr>
<td>Melio Systems</td>
<td>2</td>
</tr>
</tbody>
</table>
We are aware of several country men who have made the own mark in field of software development. But, here are a few men of our own motherland that too from our own state who have made it big in the software industry...

Seetharaman Narayanan

Although he could probably retire and enjoy his life on certain tropical island, Seetharaman Narayanan chose to continue his work in Adobe. His name appears after the No.1 Thomas Knoll in the splash screen, so I’m sure you stared at his name a lot, particularly when your Photoshop is launching slowly. And he truly deserves the honor, as Seetharaman Narayanan is the man that dedicated his best to make the Windows version of Photoshop possible, then made it multi-threadable. Now the Lead Adobe Photoshop Engineer, he also ported Adobe Lightroom to Windows. He doesn’t claim all the spotlight though but the benefit of having long names is that it is simply too unique to be ignored.

Pichai Sundararajan

He is better known as Sundar Pichai, is an Indian businessman and a senior vice president at Google, where he oversees Android, Chrome and Google Apps. He received his Bachelors in Technology from the Indian Institute of Technology, Kharagpur and was awarded an Institute Silver Medal. Pichai joined Google in 2004, where he led the product management and innovation efforts for a suite of Google’s client software products, including Google Chrome and Chrome OS, as well as being largely responsible for Google Drive.

Verizon FiOS rolling out symmetrical upload speeds at no additional charge –V.Vibin

Verizon is matching its upload speeds to its download speeds for new and existing customers at no extra charge. For example, customers with a 50 Mbps connection previously had an upload speed of 25 Mbps. Following the update, their new upload speed will also be 50 Mbps.

Microsoft to end support for Windows 7 in 2015 –B.Rajesh

Microsoft is warning customers that the end is soon coming for Windows 7 in much the same way it came for Windows XP earlier this year. The company will end free mainstream support for Windows 7 on January 13, 2015, but users will continue to get security updates till 2020. The move will mostly affect consumers. Businesses that pay for extended Windows 7 support, as most of them do, will be supported for another five years, until January 14, 2020.
Research Activities

June 2014:

Dr. C. Jayakumari, Associate Prof., MCA Dept., attended Doctoral Committee Meeting of PhD scholar Ms. Kiruthika held at the Hindustan University.

April 2014:
Mr. K. K. Nagarajan Asst. Prof., MCA Dept., authored a paper titled “45nm MIGFET-Based ADC Design with Dithering” which has been accepted for presentation at the International Conference on “Innovations in Engineering and Technology”. The same would be published in the International Journal of Innovative Research in Science, Engineering and Technology.

Prof. K. Subash babu, HOD, MCA Dept., presented a paper on “Hyper spectral Image Compression Algorithms – A Review” co-authored by Ms. Geeta Santhosh, Associate Professor, MCA Dept., at the International Conference on “Artificial Intelligence and Evolutionary Algorithms in Engineering Systems” conducted by the Noorul Islam University, Kumaracoil. The proceedings would be published in Springer.

March 2014:
Ms. R. Amuthavalli, Asst. Prof., MCA Dept., presented a paper titled “A Novel node based clustering & location key pair security for Wireless Sensor Network” at the National Conference on “Recent Trends in Computing and Communication” organized by the department of computer applications, Sri Sai Ram Engineering College in association with the CSI(Region 7).

February 2014:
The Research paper titled “A new threshold based job scheduling for grid system” authored by Ms. L. Rama Parvathy, Asst. Prof., MCA Dept., was accepted for publication in the Journal of Computer Science.

Dr. C. Jayakumari, Associate Professor and Mr. C. Jayakarthikeyan, Asst. Prof., MCA Dept., authored a Research paper titled “Automated Drusen Detection in Age related Macular Degeneration” which has been published in the International Journal of Advanced Research in Computer Science and Management studies.

May 2014:
Mr. K. G. Madhwaraj, Asst.Prof., MCA authored paper titled “Empirical Comparison of two metrics suites for maintainability prediction of object oriented systems: A case study of open source software” has been accepted for publication in the Journal of Computer Science.

Dr. C.Jayakumari, Associate Professor, MCA dept., attended the Doctoral Committee of PhD scholar.
Ms. T. Manimegalai, Asst. Prof., MCA Dept presented a paper on “Time Account Base Path Stabilization in MANET” at IEEE World Congress on Computing and Communication and Technologies,(WCCCT’14)

Dr. C. Jayakumari, Associate Professor, MCA Dept., attended doctoral committee meetings of PhD scholars held at SRM university and Hindustan University.

Mr. K.G. Madhwaraj, Assistant Professor, MCA Dept., gave the keynote address in the National Conference on “Information Technology and Higher Education- Possibilities and Challenges” organized by St. Anne’s Degree College for Women, Bangalore.

January 2014:

Dr. R. Maruthi and Dr. C. Jayakumari, Associate Professors, MCA Dept., published a paper titled “SMS based Bus Tracking System using Open Source Technologies” in the International Journal of Computer Applications.

Research Seminars

Mr. K.K.Nagarajan, Asst. Prof., MCA Dept., presented a research seminar on: “Relentless March Past of CMOS - Towards Getting a Good Switch and Issues in CMOS Scaling”

Prof. K.Subash Babu, HOD, Dept. of MCA, gave a lecture on “Remote sensing - Hyper spectral Images” and made a presentation on Video Compression in hyper spectral Images.

Mr. S.S.Nagamuthu Krishnan, Asst. Prof., MCA Dept., presented his research work on: Availability threats in Networks - DDOS viewpoint.

Ms. L.Rama parvathy, Asst. Prof., MCA Dept., made a research presentation on Failure based Resource Allocation Techniques for Trusted Grid Systems.

SU-DO-KU

Try solving it in 8 min.

-S.J Shriram

Answers:
பூமியான் பல்லுர்சை
கோலி சுருக்கம் - அருளிக்கும்
சிற்றுத்தோறும் மலராக
மத்தியும் பல்லுர்சை - பன்னாட்டில்
மத்தியும் பல்லுர்சை

முக்கியமான பல்லுர்சை
மாராளில் சுருக்கம் - அருளிக்கும்
சிற்றும் மலராக
மத்தியும் பல்லுர்சை - பன்னாட்டில்
மத்தியும் பல்லுர்சை

காலம் சிற்றுத்தோறும்
பெற்றியல் சுருக்கம் - அருளிக்கும்
சிற்றுத்தோறும் மலராக
மத்தியும் பல்லுர்சை - பன்னாட்டில்
மத்தியும் பல்லுர்சை

- கிஷ்ணராமகோணம்
கோவிலா புராணத்தில்,
பூமியான் பல்லுர்சை பல்லுர்சை என்று.
As a part of the Rotaract Club activities, the MCA department has organized and participated in various social welfare activities conducted in and around the city. With the able guidance and support of the Rotaract Club faculty Coordinator, Mr. K. K. Nagarajan, Asst. Prof., MCA Dept., and the dedicated student coordinator Mr. K. Vijay Raj, the club has been active.

Mr. K. Vijay Raj and Mr. J. Ram Kumar, III MCA students donated blood on March 5, 2014 at Chettinad Hospital, Kelambakkam.

Mr. T. R. Raviraj provided food for the orphanage named Arul Illam at Kollapakkam on March 6, 2014.

All the MCA students from the I, II, III year provided food and provisions to Arul Illam on March 23, 2014 and they also participated in the Polio Camp which was held on March 23, 2014 at Thiruporur.

Mr. K. Vijay Raj, S. Seethalakshmi, II MCA students volunteered in the Polio Camp at the Govt. Hospital, Thiruporur on January 23, 2014.

A Look Back...
The current realm in IT is that of cloud computing. The IDC (International Data Corporation) findings reveal revenue of $4 billion from cloud computing in 2013 and are set to peak at a ballpark figure of $15 billion in 2017. Technologically speaking, Infrastructure as a Service (IaaS) is predicted to be taken over by Platform as a Service (PaaS). Having given a heads up, it’s up to aspiring IT professionals to make the most of this prediction and align their skill sets accordingly for a successful career in IT.

Software organizations are the source for application solutions that support business in large organizations. This has been the norm for quite some time now, and looks like it will continue to be so. However, the influence of the emerging technologies is what has changed significantly over time. Today, IT users are highly aware of the latest technologies and demand fast, cost-effective solutions. In-house development of business applications are a thing of the past, completely eclipsed by the implementation of product solutions like ERP. The ability to foresee and identify solutions that are cost and time effective and that can be easily shared and hosted is the current expectation.

Today’s industry is highly demanding and whether or not you are academically qualified Software Engineers, you might not possess all the required skills. The sheer ability to carry out application designs or the development of an application is no longer good enough as it is an old school of thought. Deploying solutions without acquiring them is the order of the day. Pay-by-use approach substantially lowers the cost of going live on a proven industry solution that meets the business users’ needs. For example, a small book publisher wants to show case his publications online, generate prospects, motivate them to place their order orders online, realize and account the payments as sales revenues in his books. The order fulfillment and statutory compliance also have to be accomplished by the same comprehensive cloud based solution. As a proprietor of a small business huge IT investments are out of question, but any business owner with good business acumen will be willing to pay a fractional amount for each online transaction after weighing the pros and cons of such an investment. So, the current trend in the industry is leaning towards low cost solutions for retailing, travel, warehousing, trading, or any business.

Aspiring software professionals, who have ventured into academics, alarmingly believe the myth that the industry has infinite scope for software development. The reality is that the industry requirement is manifesting into much more than just coding and it needs people equipped with varied skills. All the software products developed for small business and large enterprises alike have intrinsic potential for customization, implementation, project management, and ongoing support. These ample opportunities encompass respective domain expertise. Such expertise is not gained by experience alone. It is evident that the qualifying software engineers attain specific business know-how to qualify for extensive lines of business or career prospects. There are plenty of unknown opportunities the academic courses do not cover. However formal training in the concepts of software, programming, project management and quality management are mandatory to be recognized as learned software professional and is the basic requirement to step into the industry.

Prudent professionals will have to be cautious about the changing environment and be aware of the underlying uncertainties. The recent ruling by the court on Microsoft will have a serious impact on cloud computing and other online businesses. Read the news of July 2014 from the link:

http://www.computerworld.com/s/article/9250102/Microsoft_ordered_to_turn_over_customer_data_stored_in_the_cloud?taxonomyId=144

The cloud and online businesses are on the brink of a major shift from the present approach and the verdict of the court will be valid across the globe. Uncertainties apart, it will be a wise move on the part of every farsighted individual in IT, to visualize and heed to the forecast changes, embrace the horde of opportunities and mold accordingly. Such prudent professional will gain competitive advantage over the rest.

PROFILE OF THE AUTHOR

Mr. L M V Ramamurthy is an Engineer with management qualification from reputed institutions. He has over 40 years of experience in multinational IT companies in the areas of mainframe, software development, SAP, ERP development & marketing.

He is currently online marketing consultant, IT Career Advisor and a visiting faculty for SSN College of Engineering.

Contact:

LMVRAM@gmail.com
Pho Tricks

A Photoshop trick to give you a Light beam effect...

1. Download the brush set from here http://r0man.de/brushes/photoshop-cs5 and install it.
2. Create a new layer on top of our original and filling it with black. Select Filter >> Render >> Lighting Effects >> Lens Flare
3. Use the 105mm Prime with the Brightness setting of your choice.
4. This will create a bright flash. Move it to the point where you want the ‘energy ball’ to appear.
5. Select the layer and add a ‘Layer Mask’.
6. Select default colors (white and black). With the layer mask selected, use the Gradient Tool >> Radial Gradient >> Reverse and drag from the center outwards.
7. Set both of these layers to the ‘Hard Light’ setting.
8. Use the Image >> Adjustments >> Photo Filter to make the colors pop. Use the color black, with the layer’s Blend Options set to ‘Overlay’.
9. Using the same technique that we used in Step 7, we want to mask the edges of our brush layers.
10. We’ll use paths. Select the ‘Ellipse Tool’ and change it from ‘Shape layers’ to ‘Paths’. Now, draw a large circle or ellipse that includes both energy flares.
11. Once the arc is drawn we want to stroke it. Select a brush that’s very small, maybe about a brush with a 5px diameter and use the color white. Go to ‘Paths’ right click on the selected path, and select ‘Stroke Path’. Check the ‘simulate pressure’ option, this will give the ring a bit of perspective with a heavier stroke on one side and a lighter stroke on the opposite side.
12. Repeat this step twice. Each time use a different brush setting that is bigger than the one before it. I started with the 5px brush, then I used a 45px brush followed by a 100px brush. Each time use a different color. The topmost (bigger) arc should be set to ‘Linear Dodge (Add)’ with an opacity of 35%. The middle layer should be set to ‘Overlay’ and the original (the white one) should be set to ‘Linear Dodge (Add)’.
13. Group these together then, using the technique from Step 7 again, I use layer masking to block one half of the sphere I created.
14. To create the energy ‘tendrils’ that are leaping from the arc. Duplicate the grouped folder from Step 16. Then merge the group or folder into one layer. Select Filter >> Liquify and distort the arc to look like it should for your image. Secondly, we’ll select Filter >> Distort >> Ripple and tweak it to look a bit more like electricity.
15. Voila..!! It’s done.
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