

RES NOVAE

Issue - 6

September - December, 2016

<http://www.chitkara.edu.in/rese-novae-newsletter/>

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Editorial Team:

- ❖ Dr. Sachin Ahuja
- ❖ Mr. Ravi Gupta
- ❖ Ms. Neha Tuli

Upcoming Event

CUDC - 2017

Chitkara University Doctoral Consortium - 2017:

Call for Papers

May 13, 2017

Venue - Chitkara University, Punjab - India

For more details:<http://chitkara.edu.in/cudc/index.php>

NOTION OF TRUST IN COMPUTING

Dr. Jagpreet Sidhu

Chitkara University, Punjab

Trust is a fascinating subject and has been studied by different researchers in various fields like philosophy, psychology, sociology, economics, law, political science, computer science etc. Trust mean different things to different people and vary from person to person and system to system. In our daily life we come across various kinds of people, situations, events, and environments. The interactions between individuals depend on implicit understanding of relationship in society. The confidence that an individual gathers during relationships, work as a base for any type of implicit understanding between individuals like personal and professional connections bonding the individuals, societies, cultures, and a host of other factors. For example, if I meet a tailor to tailor my new coat, I will only give him the order if I feel confident in giving him the responsibility to tailor my new coat. This confidence on him is based on his credentials, his abilities, and a host of other factors that I judged about him during my pervious personal interactions with him. In other words, the trust I put on his abilities to tailor will assist me in my decision to ask for his help in tailoring my coat. Trust pervades

continued...



through different strata of human society and extends beyond human-human relationships. Trust is a complicated concept, and the ability to generate, understand, and build relationships based on trust varies from individual to individual, situations to situations, society to society, and environment to environment. For example, I may trust my tailor for tailoring my coat; however, I may not have enough trust on him in repairing my new car and so on. Past experiences and history sometimes develop prejudices which we use to determine the trustworthiness of others interacting with us.

The social science is the origin of trust and reputation which studies human nature and behavior in the society. Researchers in diverse fields such as psychology, sociology, and economics have studied trust from different perspectives (e.g. we trust our tailor for tailoring our cloths because most of the time he tailored them to our requirements with some exceptions, so we calculate trust in mind while giving him a new order to tailor). The study of trust based on mental attitude is psychological approach towards trust. In psychology, focus is on what happens in a person's mind when he trusts or distrusts someone. Based on this notion, several cognitive trust models have been developed. The study of trust based on social relationships among individuals is sociologists approach towards trust. Social context of trust has been commonly employed in multi agent systems and social networks (e.g. we mostly trust our siblings more than our friends even though we are more open to our friends). The study of trust in terms of utility is economists approach towards trust (e.g. Business

men always trust more their business partners which raise most economical gains to them). Game theory and the prisoner's dilemma are the commonly used approaches to study this scenario.

Researchers in computing domain benefit from all these studies as these provide vital insights into human behavior under various circumstances. The role of trust and reputation in open, public distributed systems like e-commerce, peer to peer networks, grid computing, semantic web, web services, and mobile networks has been studied by several researchers. The main drawback of this extensive literature is the development of a complex and confusing notions of trust among researchers with lack of common agreement on a single acceptable definition of trust. Different fields defined trust differently based on their requirements, perceptions and parameters like attitudes, beliefs, probabilities, expectations, honesty and so on.

Dr. Jagpreet Sidhu is PhD in Computer Science & Engineering from Panjab University, Chandigarh. He has research publications in international journals and conferences of repute to his credit. His research interests include distributed systems, distributed security architectures, distributed services like grid, cloud and web services, social network analysis, privacy and trust related issues in distributed environments.



PROVISIONAL PATENTS FILED

It's not about idea, it's about making ideas happen.

Ben Menson

❖ Fuel Tank

Dt. 13/09/2016 No. **286794**

Inventors: Mr. Harvinder Singh Shera, Mr. Anuj Dara, Mr. Anuj Kalia, Mr. Arpit Loomba, Mr. Ashish Sharma

❖ Electronic Assistive Device for Classroom Teaching

Dt. 13/09/2016 No. **201611031193**

Inventors: Dr. K. R. Ramkumar, Dr. Harsh Sohal, Dr. Raman Singh, Dr. Archana Mantri

❖ Topical Herbal Composition for the Treatment of Psoriasis and other Skin Diseases and Method Thereof

Dt. 30/09/2016 No. **201611033442**

Inventors: Dr. K. R. Ramkumar, Dr. Sandeep Arora, Mr. Vijaya Kumar Thandullu Ramamurthy

❖ Paperless Erasable Magnetic Braille Slate

Dt. 30/09/2016 No. **201611033447**

Inventors: Dr. Amitoj Singh, Mr. Virender Kadyan, Mr. Vinay Kukreja, Dr. Amandeep Singh Oberoi

❖ Farmer Interactive Remotely Controlled Rice Crop Disease Detection System

Dt. 21/10/2016 No. **201613036100**

Inventors: Dr. Sheifali Gupta, Mr. Satpal Singh, Mr. Sagar Juneja, Dr. Rupesh Gupta

❖ Improved Mechanism for Converting Gear Transmission of Motorcycle from Manual to Automatic

Dt. 24/10/2016 No. **201611036334**

Inventors: Dr. Rupesh Gupta, Mr. Bhavneet Gupta, Dr. Sheifali Gupta, Mr. Chandan Rajpurohit, Mr. Dhjruv Kochar

❖ **Personal Safety System with Wearable Electronic Gadget**

Dt. 07/11/2016 No. **201611037969**

Inventors: Ms. Vidhyotma, Dr. Amitoj Singh, Ms. Nagma, Ms. Stuti, Ms. Stuti Kashyap

❖ **Therapeutically Beneficial Fruit Concentrate Syrup /Molasses for use in Bakery Products and a Method**

Dt. 25/11/2016 No. **201611040424**

Inventors: Dr Mansi Chitkara, Ms. Rajnit Kohli, Dr. Inderjeet Singh Sandhu, Dr. Rakesh Kumar Sindhu, Mr. Didar Singh

❖ **Dough Processing Machine**

Dt. 24/12/2016 No. **289570**

Inventors: Ms. Kashish Mathreja

❖ **QCA Based Static Random Access Memory Design with Novel Interfacing Circuitry**

Dt. 24/12/2016 No. **201611044210**

Inventors: Ms. Rupinder Kaur, Dr. Nitin Saluja

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Small opportunities are often the beginning of great enterprises.

Victor Hugo

❖ **Explore: The Literature Review Assistant" Service Request**

No. 1-4323750191, dated 09/01/2017, U.S Copyright Office, by Dr. Jaiteg Singh, Anjali Gulati and Anand

CONSULTANCY PROJECTS

We are changing the world with technology.

Bill Gates

❖ **Teach the Trainer Program for IBM Courses**

Organization: Nihon Communication Solutions (P) Ltd
22 December- 24 December, 2016

Investigators: Dr. Rajinder Sandhu,
Chitkara School of Computer Science & Engineering

RESEARCH PROPOSALS SUBMITTED/SHORTLISTED/GRANTED/APPROVED

*Imagination is more important than knowledge. Knowledge is limited.
Imagination encircles the world.*

Albert Einstein

- Title of the Project: Handheld Device For Multiple Disease Detection From Apple Leaf**
Submitted to: NASSCOM
Project Investigators: Dr. Sheifali Gupta, Dr. Rupesh Gupta, Satpal Singh, Gurleen Kaur
- Title of the Project: Thyroid Nodule Characterization in Medical Images**
Submitted to: Early Career Research Award, SERB
Project Investigators: Dr. Deepika Koundal, Dr. Sheifali Gupta
- Title of the Project: Wireless Multimedia Sensor based Agriculture Monitoring Network System**
Submitted to: Extra Mural Research Funding (Individual Centric), SERB
Project Investigators: Dr. Deepika Koundal, Mr. Bhisham Sharma & Ms. Ekta Gandotra
- Title of the Project: Electrochemical storage of hydrogen in activated charcoal**
Submitted to: Elsevier Foundation's Green and Sustainable Chemistry Challenge 2016
Project Investigators: Dr. Amandeep S. Oberoi, Dr. Pankaj Kumar, Dr. K. R. Ramkumar, Dr. Harsh Sohal and Mr. Tapas Kuila
- Title of the Project: Carbon-based materials for electrochemical hydrogen storage in a proton battery**

Submitted to: Australia-India Strategic Research Funding

Project Investigators: John Andrews, Mr. TJ Dhillip Kumar, Mr. Michelle Spencer, Mr. Mani Karthik, Dr. Amandeep S. Oberoi, Mr. Daniel Gomez

- Title of the Project: Development of proton flow battery with an integrated activated carbon-based electrode made from Indian coal for electrochemical hydrogen storage**

Submitted to: DST's Early Career Research Award
Project Investigators: Dr. Amandeep S. Oberoi, Dr. Pankaj Kumar

- Title of the Project: A novel realization and computational model for thrust generation electromagnetic waves**

Submitted to: DST's Extra Mural Research Funding
Project Investigators: Dr. Nitin Saluja, Dr. Amandeep S. Oberoi, Dr. Rajesh Khanna and Mr. Debabrata Deb

- Title of the Project: "Buying Brands through Brains: Making India Neuro-Intelligent (B3B:MINI)"**

Submitted to: DST Status: Submitted
Project Investigators: Dr. Jaiteg Singh, Dr. Amit Mittal

CONFERENCES/WORKSHOPS/SEMINARS/EXTENSION LECTURE

A leader is one who knows the way, goes the way, and shows the way.

John C. Maxwell

WECON - 2016

5th Edition of International Conference on Wireless Networks and Embedded Systems 14-16th October, 2016

Chitkara University organized 5th edition of IEEE sponsored International conference on Wireless networks and embedded systems, shortly well known as WECON 2016 from 14th to 16th October, 2016. Electronics for You being the media partner, DRDO and ISRO had also financially supported this conference which was duly patronized by industries like Texas Instruments and Mathworks. Over 300 attendees and delegates were a part of the grand opening ceremony of WECON. Dr. Traver Day (Pro Vice Chancellor, Deakin University, Australia), Mr S Vijay Anand (Director, Aricent) and Dr. Giriraj Nyati (Secure Meters) gave a perfect kick start to the proceedings of the conference through their key note addresses.

Dr. Traver day in his opening address talked about the need of industry – academia collaboration and shared perspective of Deakin University on the same. While, Mr Vijay Anand talked about one of the very hot technological aspect i.e. Internet of Things, Dr Giriraj Nyati focused his talk on the fact that India has

got potential to become technological superpower of the world owing to a large number of Engineering graduates passing out every year.

Total about 60 research papers were presented as a part of the conference in various focus areas like Smart and Intelligent Electronics, Real time embedded systems, wireless communication and wireless networks.

Besides presentation of regular research papers by eminent researchers, Pre conference workshop on latest of the Texas Instruments Technologies and a panel discussion focusing on the theme 'Commercialization of Research and Innovation : How globalization can help?' were also organized with eminent personalities from academia and industries on board.

It must be further highlighted that all the papers presented at WECON would be made a part of prestigious IEEE Explore Database.

Dr. Madhu Chitkara, Vice Chancellor, Chitkara University congratulated Dr. Archana Mantri and Mr. Sagar Juneja, General chair and Convener of the conference respectively for success of the event. She further made a point that Chitkara University is committed to excel in the field of education and research for the overall benefit of upcoming generation of students. She further affirmed that knowledge sharing is very important aspect for creation of a better society. Conferences like WECON prove to be a perfect platform for such knowledge sharing sessions.





❖ **Innovation Workshop & Inventors Facilitation Ceremony**

5th September, 2016

Chitkara University Research & Innovation Network in association with Centre for Entrepreneurship Education & Development organized inventors on the hilltop on 5th September 2016 at Thapli Nature Camp, Hills of Morni,



Panchkula where more than 100 innovators from both University attended the meet. Mr. Ankit Bhateja (Founder, Xovian Technologies) and Mr. Arun Dhir (MD, Flanca Lifesciences) were invited as the Guest of Honour.

The daylong event included the presentations by chosen inventors after lucky draw, discussion for improvisation of presented innovations, Networking lunch followed by nature walk, networking activities and innovator felicitation.

❖ **Pharmacy Practice Clinical Modules on "Biomarkers in Clinical Therapeutics"**

September, 2016

Chitkara College of Pharmacy organized a three day Clinical Practice Module for Pharm D students with Clinical sessions by Physicians/Practitioners/Pharma-cologists and Senior Pharmacy Professionals, including Dr A.S. Sekhon, Dean, GSMCH, Dr Shweta Prabhakar, Fortis Hospital, Dr Preeti



Kotiyal, Director GRRITS, Dehradun (PCI nominee), Dr R.K. Goyal, and 6 other speakers. With Dr Sandeep Arora, as Convener, Dr T.G. Singh, Organizing Secretary, Mr R K Jaora, Dr Madhav Dwivedi, Dr Nidhi Garg, Ms Shaima A.K., Mr Rajinder Singh, Department of Pharma Practice CCP convened the event as per PCI guidelines (Sep 2016).

❖ **Workshop on**

Erasmus+ An Awareness Workshop

8th Oct. and 20th Oct., 2016

Dr. Archana Mantri, Pro Vice Chancellor, Chitkara University

Research and Innovation Network with Dr. Preethi Pradhan, Dean, Chitkara School of Health Sciences conducted workshop on "Awareness of Erasmus Projects at Chitkara" on 8th Oct., 2016 and 20th Oct., 2016. The purpose of the workshop is to create awareness in Chitkara regarding the



opportunity Erasmus offers; to share learning about applying for Erasmus projects; and to brainstorm potential topics for projects. The participants include Professors from European and Asian countries and Chitkara University. The participants presented the information regarding research activities of their respective universities.

❖ **Workshop on**

TechnoSounds 2016

13th Oct. and 10th Nov., 2016

TechnoSounds 2016 Ist and IInd round were held on 13 October 2016 and 10 November 2016 at Speech and Multimodal Laboratory in association with CSI student Chapter at Chitkara University, Punjab. Er. Virender Kadyan, Assistant Professor shared in brief about Techno Sounds 2016 and provide opportunity to students to show case their innovative idea. A total of 24 teams registered for the event in the Ist round, out of which 9 teams got selected for second round to represent the prototype of their ideas. Mr. Vinay Kukreja, Assistant Professor, CSE department and Mr.



Jaswinder Singh, Assistant Professor, CA department were the judged of the event. The event was successfully managed by Ms. Kanika and event coordinators. Further, short listed teams are qualified for the IIIrd round held on 24 January 2017, in which students have to showcase their complete product.

❖ **Induction Program (Collaborative CSR program of Dr Reddy's Labs, Baddi) for one more Batch of Dr Reddy's Employees**

October 2016

Another batch of employees were inducted into Dr Reddy's Lab, Baddi in various Department after 40 days Pharma Refresher Induction Course conducted at Chitkara College of Pharmacy in October 2016. The batch concluded with certification and awards to top 3 performers, by Dr Reddy HR and Technical Officers and Chitkara College of Pharmacy team represented by Dr Sandeep Arora, Mr. Sukhbir Singh and others.

❖ **State Level Children's Science Congress**

26-28 November, 2016

Punjab State Council for Science Technology, Chandigarh and Chitkara University, Punjab jointly organized the 24th State Level Children Science Congress 2016 at Chitkara University from 26-28 November 2016. Children Science Congress is the



biggest Science Communication program in the country and over 10 lakh children in the age group of 10-17 participate every year in it at various level. In the State level Children Science Congress 574 students and 135 teachers from whole over Punjab participated and presented their projects on the theme

"Science Technology and Innovation for Sustainable Development". 121 projects were presented and the following 16 projects were short listed for National level Children Science Congress. The first two positions in:

Junior - Komal - Govt. High School Mehtan - Calorific Value of Different Biomass

Senior - Arshiya Gupta – DAV Public School Amritsar - Bio-Plastic.

❖ **Workshop on**

Structural Equation Modeling

21-24 Dec., 2016

A workshop on Structural Equation Modeling (SEM) was organized by the Doctoral Research Centre (CURIN) under the aegis of Chitkara Business School, Chitkara University, Punjab. The workshop was conducted from 21st-24th December, 2016 and was attended by over 30 PhD research



scholars, research supervisors and other faculty members of the university. The program trained the attendees on hands on applications on data using IBM- SPSS 21.0 and AMOS 21.0. The program was very well received and participants gained both conceptual and working knowledge of advanced multivariate statistical techniques including SEM.

WORKSHOPS/CONFERENCE/SEMINARS ATTENDED

A good leader takes a little more than his share of the blame, a little less than his share of the credit.

Arnold H. Glasow

❖ **Conference on**

Bulk Drugs: Reducing Dependence on China

September, 2016

Dr. Sandeep Arora and students of Chitkara College of Pharmacy attended Conference on "Bulk Drugs: Reducing dependence on China" organized by ASSOCHAM at Best Western, Nalagarh inviting Minister of Health, HP, President ASSOCHAM, Drug Controller, HP Mr S Marwaha, President, Industry Association-BaddiNalagarh (BBNIA), HP, Ex Officio Director, NIPER, Director GMCH Sec 32, Senior Academicians, Dr T.R. Bhardwaj, Dr C.S. Gautam, and many others. Dr Sandeep Arora too delivered a session on "Increasing Bulk Drug Research efficiency and Output". 7 students from B pharm/M pharm and Pharm D also participated.

❖ **Workshop on**

Erasmus+, Jean Monnet and Marie Sklodowska-Curie actions

October 3rd, 2016

Dr. Archana Mantri, Pro Vice Chancellor, CURIN and Dr. Preethi Pradhan, Dean, Chitkara School of Health Sciences delivered the opening address during the Workshop in Erasmus+, Jean Monnet and Marie Sklodowska-Curie actions in Chandigarh on Oct 3rd, 2016. While Dr. Archana Mantri deliberated on **"Internationalization of Education: Challenges and Opportunities"**, Dr. Preethi Pradhan shared her experience on being a part of two consortia, which bagged funding under Erasmus+.

The workshop witnessed the presence of higher education stakeholders, from Vice Chancellors and Head of Institutions to a range of academic and administrative staff from higher education institutions. The overall aim was to disseminate the information on the practical ways about the objectives,



content and implementation modalities of Erasmus+, Jean Monnet and MSCAs with a view to increasing the participation and success rate of Indian students, researchers and higher education institutions, including their staff, for the next application round (approximately October 2016 to March 2017).

India was the greatest beneficiary of Erasmus Mundus, the predecessor programme to Erasmus+ (about 5000 Indian students have benefited from Erasmus+ mobility scholarships to date!) and the workshop focused on newer opportunities emerging under Erasmus+.

❖ **49th Annual Conference of Indian Pharmacological Society (IPSCON-16)**

20-23 Oct., 2016



Faculty and students from Chitkara College of Pharmacy present scientific research/review posters

at Indian Pharmacological Society (IPS) Annual Conference (IPSCON-16) at PGI, Chandigarh, 20-23 Oct., 2016. IPSCON-16 attracted many physicians, pharmacologists, Pharma Scientists, industry professionals and pharma corporate people at PGI Chandigarh. Chitkara College of Pharmacy faculty including Mr. Chanpeet Singh, Mr. Rajinder Singh, Dr. Nidhi Garg, Ms. Amarjot Kaur, Dr T.G.Singh, Dr. Madhav Dwivedi, Ms Sonia and Seven M Pharm students were certified.

❖ **Workshop on**

Erasmus+ Workshop in 12th FICCI at Higher Education Delhi

10th Nov., 2016

Dr. Archana Mantri, Pro Vice Chancellor, Chitkara University Research and Innovation Network, Punjab attended Erasmus+ workshop at the 12th FICCI Higher Education Summit on 10th Nov., 2016 as a Speaker at New Delhi. Dr. Mantri also address the audience and gave presentation on Capacity Building in Higher Education.

❖ **Conference on**

Global Engineering Education Leader

4-7th Dec., 2016

Dr. Rajnish Sharma, Dean (Research), Chitkara University, Punjab was invited to participate in Global Engineering Education Leader Conference held at Shenzhen, China



from 4th to 7th December, 2016. Dr Sharma made a presentation on topic "Educational Innovations at Chitkara University, India" and also participated in a panel discussion on similar theme as one of the panelists.

MEETINGS UNDER SHARE (Showcase Harp Appreciate Research Exchange)

Creating is just connecting things.

Steve Jobs

❖ Invited Talk

Symposium on Intellectual Property Rights: Patenting in Medical Research

4th Nov., 2016

Dr. Archana Mantri, Pro Vice Chancellor and Dr. Sachin Ahuja, Associate Director, CURIN delivered invited talk in



one day Symposium on Intellectual Property Rights: Patenting in Medical Research at Department of Biochemistry, PGIMER, Chandigarh on 4th Nov., 2016.

❖ Expert Talk by

Mr. Navtej Sekhon, Research Innovation Commercialization, Canada

8th Nov., 2016

An invited talk was organised by CURIN on 8th Nov., 2016. The speaker Mr. Navtej Sekhon from Canada delivered a talk



on 'Steps included in commercialisation of an idea'. The session was of one hour and attended by faculty members of CURIN, M.E. and PhD scholars. Mr. Sekhon also addressed

the queries of the audience and the whole session turned out to be very knowledgeable.

❖ Visit of Mr. Sudhir Gupta

15-16 Nov., 2016

Mr. Sudhir Gupta from Millennium Alliance, Delhi visited Chitkara University, Punjab on 15th Nov., 2016. regarding the



due diligence of projects of Dr. Nitin Saluja's project 'E-Deweder' and Dr. S.N. Panda's project 'E-Critical Care Unit'.

❖ Guest Lecture

Mr. Virender Kadyan, Assistant Professor, Chitkara University, Punjab, was invited to take two guest lecture on the topic: "Recent Trends in Language Technology: New Trends" at Punjabi University, Patiala on 22 November 2016.

❖ Workshop on

IUCEE - IGIP – Microsoft Pre-Certification Workshop

27th Nov. – 1st Dec., 2016

Dr. Archana Mantri was invited to conduct IUCEE-IGIP–Microsoft pre-certification workshop at an Engineering College in Hyderabad. This workshop is gateway for the



engineering educators to enroll for six months certification program. By going through the certification program engineering educators are facilitated through various

technical teaching - learning processes. Dr Mantri is on the panel of IUCEE resource persons and has conducted numerous workshops in past. She teaches 'Collaborative Learning' module in the online certification program too. Four faculty members from Chitkara University have also been certified by this program.

❖ **Expert Talk by**

Mr. Raghavendra Pranesh Hunasgi

13th Dec., 2016

Mr. Raghavendra Pranesh Hunasgi delivered an expert talk on "Rising Scope of Digital Transformation in India" on 13th Dec., 2016 organized by Chitkara University Research and



Innovation Network, Chitkara University, Punjab. Mr. Hunasgi also express his views on aware of the changes that technology can bring in our day to day professional as well as personal life and an age of Digital Transformation where things are changing at a hugely rapid pace around us.

❖ **TiE Global Summit- 2016**

16-17 Dec., 2016 Delhi

TiE Global Summit was held on December 16-17th, 2016 at Taj Palace, New Delhi. Delegates who represented Chitkara



University at the event were Dr. Archana Mantri, Dr. S.N. Panda, Mr. SumeerWalia, Dr. Varsha Singh and Dr. Neha

Kishore. An interaction was held among 3000+ entrepreneurs and members. It was great chance to meet and interact with successful entrepreneurs from US, Middle East, Asia and Europe. The session was started by an Inaugural Keynote by Travis Kalanick, Co-founder, Uber in conversation with Mr. Deep Kalra, CEO, MakeMyTrip. Followed by this interesting session many impactful and innovative ideas were discusses and pitched.

❖ **Invited Talk by**

Dr. M. Sundarajan, Bharath University

19th Dec., 2016

Dr. M Sundararajan (Dean Research, Bharath University) was invited to address all the Faculty members, ME and PhD scholars of university on



19th/20th December, 2016. In a highly interactive session, Dr. Sundararajan highlighted the importance of any university engaging in a high level of research. He also shared some of the best practices being adopted by Bharath University to excel in research activities.

Talk was highly appreciated by all the attendees.

❖ **Student Exchange Programme**

August- December, 2016

3 students engaged at SuperBiotech France for Graduate Biotech Program spent a semester at Chitkara College of Pharmacy from Aug- Dec 2016 as a part of their IIIrd year curriculum for the Certificate Course "Drug Discovery, Clinical Therapeutics and Regulatory Affairs" as a student exchange program. The course covered synthetic drug discovery methods, Analysis, Pharmacological drug evaluation, industrial processes and regulatory affairs and was coordinated by Chitkara College of Pharmacy Team including Dr Sandeep Arora, MsJanita, with topics covered by Dr R. Bala, Ms N. Kaur, Mr C.P. Singh, Dr I.B. Singh, Mr. Paramjot, Dr R. Madan, Mr R.K. Jora, DrA.Goyal, Ms R.P.Kaur and others. The students also had clinical visits to

OPD wards at GSMCH and also visited Dr. Morepen Labs Baddi for industrial exposure. Their Hospitality was



coordinated by the International student office through Prof HarkiranKaur and they toured South India during the exchange.

❖ **Launch of Chitkara College of Pharmacy Pharma Update Illrd issue**

Illrd Issue of CCP Pharma Update and News 2016 was launched during National Pharma Week events by Hon'ble



Vice Chancellor. The update compiles news from Pharma industry, College News, Student literary contributions and other news items, compiled by a team of students and faculty at Chitkara College of Pharmacy.

OUR RESEARCH REVIEWERS

Ideas have a short shelf life, you must act on them before expiration date.

John C. Maxwell

- ❖ Dr. Amit Mittal, Dean, Doctoral Research Centre, Session Chairperson and Technical paper reviewer for International Conference on Banking and Finance, December 10-11, 2016.



- ❖ Virender Kadyan, acted as a Technical Programme Committee Member and reviewed 8 papers of Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC) held on 22-24 December, 2016 at Jaypee University of Information Technology, Wakhnaghat, Himachal Pradesh, India.

BOOK CHAPTER PUBLISHED

Expert in anything was once a beginner.

Helen Hayes

- ❖ Book Chapter entitled "Literature Review" published in Research Methodology for Faculty, Centre for Education Growth and Research, ISBN Number - 978-93-85000-90-4 written by Dr. Amit Mittal, Dr. Deepika Jhamb,.

- ❖ Book Chapter entitled "Applications of Neutrosophic Sets in Medical Image Denoising and Segmentation" New Trends in Neutrosophic Theory and Applications (Florentin Smarandache, Surapati Pramanik (Editors), Pons asbl, Brussels, European Union, 424 p., 2016; ISBN: 9781599734989, NeutrosophicNewTrends.pdf).) written by Dr. Deepika Koundal, Savita Gupta, Sukhwinder Singh.

PUBLICATIONS

Efficiency is doing things right. Effectiveness is doing the right thing.

Zig Zagler

- ❖ Gupta S., Singla C., "Grade Identification of Astrocytoma Using Image Processing - A Literature Review", IEEE Conference INDIACOM-2016. <http://ieeexplore.ieee.org/document/7724609/>.
- ❖ Gandotra E., Bansal D., Sofat S., "Zero-Day Malware Detection," In proceedings of 6th International Symposium on Embedded computing & system Design (ISED), IIT Patna, India, 15-17 December, 2016.
- ❖ Gupta S., Sandhu A., "Memory Cell Designs with QCA Implementations: A Review" International Journal of Multimedia and Ubiquitous Engineering, Vol.11, No.10 (2016), pp.263-272 (Scopus Indexed) <http://dx.doi.org/10.14257/ijmue.2016.11.10.25>.
- ❖ Sangha S.H., Sohal H., "Power Challenges in Wireless Body Area Network for Mobile Health Powered by Human Energy Harvesting: A Survey", Indian Journal of Science and Technology, Volume 9, Number 46, December 2016. (SCOPUS Indexed)
- ❖ Kaur H., Kaur A., Sohal H., Gupta I., Singh S., Nagpal S., "Design and Performance Analysis of RAM_WR_Control Module using Xilinx ISE 14.2", Indian Journal of Science and Technology, Volume 9, Number 46, Dec. 2016. (SCOPUS Indexed)
- ❖ Singh B., Dee S., Remeli M.F., Tan L., Oberoi A.S., Concentrated solar thermal thermo-electric power generation under natural and forced convection cooling", 3rd International Conference on Science and Social Research, The Everly, Putrajaya, Malaysia, 06-07 December 2016.
- ❖ Sharma K., Gupta L., "Implementation of Tunable and Non-Tunable Pseudo-Resistors using 0.18µm Technology", Published in IJCA Proceedings MICTDI 2016, Dec. 2, 2016, Digital Library. URL:<http://www.ijcaonline.org/proceedings/micted2016/number2/26556-1615>. ISBN : 973-93-80892-88-2.
- ❖ Mittal A., "The Influence of Waiting Time Satisfaction on Customer Loyalty towards multi-stage Services in a full-service restaurant: Evidence from India", Bulletin of Taras Shevchenko Kyiv National University. Ekonomika, 2016, 186(3), pp 22-26; DOI: <http://dx.doi.org/10.17721/2667.2016/183-6/4>.
- ❖ Mittal A., "Does Day-of-the-Week Anomaly Influence BRICS Stock Markets? A Unit Root Testing Approach", Published by International Black Sea University, Georgia, Journal of Business, 5(1), 2016, pp. 9-17.
- ❖ Oberoi A.S., Singh B., Remeli M.F., "A commercial activated carbon powder as a medium for electrochemical hydrogen storage: an experimental investigation on electrochemical hydrogen storage capacity with potential application in automobiles", iASTEM:ICMAE 98th International Conference on Mechanical and Aerospace Engineering, Melbourne, Victoria, Australia, 06-07 December 2016.
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- ❖ Dhiman R., "Examining the Growth Trends, Direction and Competitiveness of Indian Textile Exports in Global Trade" 2nd International Management Conference held at Fortune School of International Business, New Delhi, 20th-21st December, 2016.
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FELLOWSHIP RELEASED

DST released 2nd installment of INSPIRE Fellowship of the amount of Rs 349938 for **Vandna Sharma** (full-time PhD

student of Dr Pankaj Kumar). [Basic Fellowship @ 300000/- p.y. + HRA @ 30000/- p.y. + Contingency @ Rs. 20000/- p.y.].

ACHIEVEMENTS

Research is creating new knowledge.

Neil Armstrong

BEST PAPER AWARD

Dr. S.N. Panda, Director | Research, Chitkara University Punjab attended International Conference on Interdisciplinary Research for Sustainable Development (IRSD-2016) in NITTTR Chandigarh as Invited Speaker and Session Chair and received the Adroit Researcher Award for the Outstanding Contribution in the field of Education and Research on 1st Dec., 2016.

