# A CHRONICLE OF RISE
## (Research, Innovation, Skill and Entrepreneurship)

## An OPFLC initiative
### (Session- 2015-2016)

RISE (Research, Innovation, Skill and Entrepreneurship) is a combined initiative of the Office of Doctoral Programs and Office of Patent Facilitation, Licensing and Consultancy. With the enhanced thrust on skilling initiatives, the year 2015-16 witnessed increased number of workshops, symposia being organised by various academic units. At the same time, Innovation and entrepreneurship related activities were a big crowd puller. Time will only tell about the impact being created with these initiatives. Quality research can only happen if the faculty members and students are given awareness sessions on ethics in research and quick tips on usage of software tools.

A summary and a chronicle of the RISE initiatives are as hereunder:

Number of participants - 2270

| Name of the Workshop/ Seminar | Related to | Dates | Number of Participants | Resource Person | Page No. |
|---|---|---|---|---|---|
| Workshop on Importance of Pest Control in Hospitality | Skill Development | 03-08-2015 | 60 | Mr. Vijay Shukla | 1 |
| Workshop on Intellectual Property Right | IPR | 06-08-2015 | 82 | Vijay Shivpuje | 3 |
| Seminar on Nuisances of writing for filmy songs | Skill Development | 10-08-2015 | 96 | Munna Dhiman | 4 |
| Skill Development Training on Importance of Saving Water | Skill Development | 11-08-2015 | 14 | Sahil Kansai | 5 |
| Seminar on Development communication | Skill Development | 11-08-2015 | 75 | P. Sainath | 6 |
| Seminar on Various aspect of commercial photography | Skill Development | 19-08-2015 | 55 | Sukhdev Singh | 8 |
| Workshop on ECG for Nurses | Skill Development | 09-09-2015 to 10-09-2015 | 36 | Dr. Harmeet Kaur | 9 |
| Workshop on Ventilator | Skill Development | 16-09-2015 to 17-09-2015 | 38 | Navdeep Kaur | 10 |
| Seminar on 7 Steps to Success | Skill Development | 22-09-2015 | 40 | Narinder Parmar | 11 |
| Workshop on Cardiac Monitoring and Defibrillator | Skill Development | 23-09-2015 to 24-09-2015 | 38 | Dr. Harmeet Kaur | 13 |
| Seminar on Nuances of Advertising world | Skill Development | 25-09-2015 | 45 | Nitin Narang | 14 |
| Seminar on Documentary production | Skill Development | 28-09-2015 | 45 | Sunanda Dixit | 15 |
| Workshop on How to write effective use cases | Skill Development | 30-09-2015 to 01-10-2015 | 50 | Deepika Chaudhary | 16 |

| Name of the Workshop/ Seminar | Related to | Dates | Number of Participants | Resource Person | Page No. |
|---|---|---|---|---|---|
| Seminar on Handling crime reporters in different situations | Skill Development | 01-10-2015 | 25 | Mr. Rajinder Pal Upadhyay | 17 |
| Workshop on programming concepts | Skill Development | 08-10-2015 | 26 | Mr. Preetinder Singh Brar | 19 |
| Skill Development Training on Role of Electrical Engineer in Today's World | Skill Development | 19-10-2015 | 12 | Mr. Vinod Behari | 20 |
| Theatre Workshop : Self Grooming | Skill Development | 25-11-2015 | 22 | Ms. Shweta Vij | 21 |
| Skill Development Training on Contribution of ASDC towards Skill India Mission | Skill Development | 02-12-2015 | 13 | Sh. Sunil K Chaturvedi | 23 |
| Workshop on Research Methods and data analysis | Skill Development | 04-12-2015 to 10-12-2015 | 28 | Mr. Saurabh Agarwal | 24 |
| Workshop on Data Enabled Business Intervention | Skill Development | 08-12-2015 | 40 | Mr. Maninder Mann | 25 |
| FDP on Modern Methodologies in Teaching and Research | Skill Development | 10-12-2015 to 17-12-2015 | 32 | Dr. Rashmi Aggarwal | 27 |
| Skill Development Training on New Generation Pipes | Skill Development | 14-01-2016 | 13 | Dr. Chandra Sekhar Nettem | 29 |
| Workshop on Raspberry Pi | Skill Development | 14-01-2016 to 15-01-2016 | 18 | Mr. Amit Kumar | 30 |
| Workshop on Current Trends in Neuro Rehabilitation and Neurodevelopment Treatment Principles | Skill Development | 02-02-2016 to 17-02-2016 | 10 | GK Balaji | 31 |
| Workshop on intricacies of C language | Skill Development | 12-02-2016 | 27 | Mr. Vikas Rattan, Mr. Preetinder Singh Brar | 32 |
| Workshop on Concierge Operations | Skill Development | 17-02-2016 | 80 | Mr. Manoj Sharma | 33 |
| Workshop on java using Eclipse IDE | Skill Development | 18-02-2016 | 45 | Mr. Ashish Aggarwal | 34 |
| Workshop on Thai Cuisine | Skill Development | 19-02-2016 | 50 | Chef Thipaphol Boonsri | 35 |
| Pharmacy Practice Module-II Radiographic & Ultrasonographic imaging and their interpretations for Therapeutic management and Outcomes | Skill Development | 24-02-2016 to 26-02-2016 | 165 | Dr Sandeep Arora | 36 |
| Skill Development Training on Role of Faucets in Saving Water | Skill Development | 01-03-2016 | 12 | Mr. Sameer Malhotra | 38 |

| Name of the Workshop/ Seminar | Related to | Dates | Number of Participants | Resource Person | Page No. |
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| Seminar on Avenues in Corporate Communication | Skill Development | 01-03-2016 | 77 | Mr. Avinash | 39 |
| Workshop on Operations Theatre Management | Skill Development | 02-03-2016 to 09-03-2016 | 38 | Dr. Andreas Fiehn | 41 |
| Workshop on French Cuisine | Skill Development | 11-03-2016 | 45 | Chef Virender Rana | 43 |
| Workshop on documentary making | Skill Development | 14-03-2016 to 18-03-2016 | 80 | Ashish Dubey | 45 |
| Workshop on Patient Safety | Skill Development | 16-03-2016 to 17-03-2016 | 38 | Dr. Akhil Sangal, Dr. Poonam Rajput | 46 |
| International workshop on mobile documentary (collaboration with Metropolia University Finland) | Skill Development | 04-04-2016 to 06-04-2016 | 12 | Ms Auli Sillanpää, Ms Teija Voudinmäki | 48 |
| Workshop on TECHNOGYANAM - 2016 | Skill Development | 07-04-2016 to 08-04-2016 | 39 | Mr. Devender Kumar | 49 |
| Two days National Workshop on Awareness of Intellectual Property Rights funded by DeitY | Skill Development | 08-04-2016 to 09-04-2016 | 195 | Dr. Archana Mantri Dr. Parikshit Bansal Mr. Sarjinder Singh Mrs. Kompal Bansal | 50 |
| NABH Training Certification Workshop | Skill Development | 01-05-2016 to 08-05-2016 | 35 | Dr. Viney Kapoor | 52 |
| Skill Development Training on Safety and Standards in Engineering | Skill Development | 10-05-2016 | 13 | Mr. Eric Dupont | 54 |
| Startup Weekend | Entrepreneurship | 29-05-2016 to 31-05-2016 | 107 | Mr. Sameer Sharma | 55 |
| Workshop on Designing and Analyzing Mid-Term Assessments to Address Course Objectives and Improve Class Performance | Skill Development | 20-06-2016 to 22-06-2016 | 24 | Dr. Archana Mantri | 57 |
| Workshop on Image Segmentation based Techniques | Skill Development | 20-06-2016 to 22-06-2016 | 25 | Dr. Sheifali Gupta | 59 |
| Workshop on Data Mining using Rapid Miner | Skill Development | 20-06-2016 to 22-06-2016 | 33 | Dr. Sachin Ahuja | 61 |
| Workshop on Intellectual Property Rights | IPR | 23-06-2016 | 25 | Dr. Sachin Ahuja | 63 |

| Name of the Workshop/ Seminar | Related to | Dates | Number of Participants | Resource Person | Page No. |
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| Workshop on Machine learning using WEKA | Skill Development | 23-06-2016 to 25-06-2016 | 34 | Dr. Prateek Bhatia | 64 |
| Workshop on Application of Global Positioning Systems in Geoinformatics | Skill Development | 23-06-2016 to 25-06-2016 | 22 | Dr. Jaiteg Singh | 66 |
| Workshop on Speech and Natural language Processing | Skill Development | 27-06-2016 to 30-06-2016 | 24 | Dr Virender Kadyan | 67 |
| Workshop on Voyaging with Routing and Protocols in Computer Networks | Skill Development | 27-06-2016 to 29-06-2016 | 13 | Er. Vidhu Baggan | 69 |
| Workshop on Organizing Research: From Concept to Dissemination | Skill Development | 27-06-2016 to 29-06-2016 | 52 | Dr. Jaiteg Singh | 71 |
| Workshop on IUCEE - IGIP pre-certification Workshop for Engineering Faculty | Skill Development | 30-06-2016 to 02-07-2016 | 12 | Dr. Archana Mantri | 73 |
| Workshop on Cyber Security with Machine Learning concepts and Field Programmable Gate Array Implementations (CML-FPGA) | Skill Development | 30-06-2016 to 02-07-2016 | 17 | Dr. Ramkumar Ketti Ramachandran Dr. Raman Singh Dr. Harsh Sohal | 75 |
| Workshop on Designing and Analyzing Feedback from Students, Parents, Industry and Alumni | Skill Development | 30-06-2016 to 02-07-2016 | 18 | Dr. Sandhir Sharma | 77 |

# Workshop on Importance of Pest Control in Hospitality
## Date: 03-08-2015

Chitkara College of Hotel management and Catering organized a Workshop and guest lecture on "Importance of Pest Control in Hospitality" in Pultzier Hall for the CCHMC students.

The resource person for the workshop is Mr. Vijay Shukla, Director and the Regional Manager of Hi- care services. He has a rich amount of experience in the similar field.

Workshop aimed to educate students about the importance of pest control in Hospitality industry. Students also learned about various types of pest that can be prevalent in hotels and their eradication process. Students were given live demonstration with the equipment's used for pest control. Pest control is very important to the hospitality industry. Failure to control pests can lead to serious legal consequences including the closure of the premises, fines and prosecutions, and catastrophic drops in food hygiene rating scores; all of which can lead to poor publicity and sales plummeting. It was very informative and knowledgeable workshop in which 60 CCHMC students participated.



*Students diligently attended the workshop*

*Workshop Session on "Pest control"*

# REPORT ON
## Workshop on Intellectual Property Rights

Chitkara University Punjab in association with Intellectual Property Office ASSOCHAM, organized a one day Workshop on "Intellectual Property Rights". Eminent speakers for the workshop were Mr. Vijay Shivpuje from ASSOCHAM, Mr. Vikas from IP Office India and Mr. Rahul Taneja, DST Haryana along with Dr. Sachin Ahuja & Dr. Inderbir Singh shared their experience on various on IPR including patent filing process in India, myths about patent filing, need of IPR economy, importance of IPR in accreditation of Indian university and latest initiatives in IPR by Gov. The representatives from Intellectual Property Office congratulated on achieving top 10 position in terms of patent filing in India and promised for more fruitful association in future.

Total 120 participants participated in this workshop.



*Participants and Resource persons of Assocham sponsored workshop on Intellectual Property Rights*

# Seminar on Nuisances of Writing for Filmy Songs

## Date: 10<sup>th</sup> August 2015

**About Speaker: Munna Dhiman** is a Bollywood lyricist and scriptwriter from Chandigarh, India. He has done work for popular Indian films and television programs like Coke Studio, Delhi Belly (film), Satyamev Jayate (TV series), Fukrey and Bhootnath Returns etc.

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**Renowned lyricist Munna Dhiman came to CSMC** to interact with students of mass communication and shared his journey from chorus singer in a theatre group to writer of hindi songs in movies. He stressed over command of language and said that rhyme, rhythm, mood, situation, artists are kept in mind while writing for filmy songs and for this the director briefs or sometimes it is open for a lyricist.

He showed various clippings from movies in which the wordings and situation as well as picturisation goes in sync and appeals the audience for decades. His witty and spontaneous interaction led to a very informative and learning session for students and it was inspirational too for them.



*Munna Dhiman in an interaction with students of CSMC*

## Skill Development Training on
## Skill Development Training on Importance of Saving Water
### Date: 11-8-2015

Department of Mechanical Engineering organized skill development training on importance of saving water on 11<sup>th</sup> August 2015 by Mr. Sahil Kansai, Chairman, S L Consultancy. Water has become a highly necessary part of human being's existence on Earth. Thus, the importance of water can be compared to the importance of air. All living organisms whether it is human, animals, or plants. Everyone is completely depending on fresh and potable water. Thus, training on save water is an insight into some of the unknown and important benefits of water for human beings.

Some of glimpses are as follows:



*Facilitating the delegates from S. L. consultants*

# Seminar on Development Communication
## Date: 11<sup>th</sup> August 2015

**About speaker:** The Ramon Magsaysay Award Winner, Mr. P. Sainath, visited Chitkara University Campus in Punjab and interacted with students of School of Mass Communication.

**People's Archive of Rural India (PARI)** - and invited students to volunteer to work for the project which focuses on the ground level of a common man in rural area.

He talked about various aspects of media and modern day journalism and the challenges being faced by modern-day print journalists. Mr. Sainath touched upon the corporatization of media houses around the world and how the current advertising revenue model is causing trouble for them and the audience too. He also talked about the online media which is a rapidly growing. Mr. P. Sainath hoped that after 10 years or more there will be more broadband penetration in the country which will lead to a true digital nation.

Taking a dig at television news channels, he lamented that the channels had become "talk TV" from what a real TV channel should be. He observed that television channels were unwilling to spend money on gathering news and were happy with picking up inputs of key events from stringers, who sometimes supplied the same shots to different channels.

Mr Sainath inspired students to pursue journalism as a career as well as a way of serving the society and the nation. He also briefed them about his project- "The culture that our country bears is vast and we have to preserve it", he added. He showed some of the videos which truly are shot into remote areas of India and depicts the nation. Mr Sainath inspired students to talk about the needy and the most unprivileged persons of society rather than talking about elite class in media. "There is not a single full time reporter in the country which is covering agriculture or rural India in true sense which is otherwise three fourth of the total population", he said.

*P. Sainath, Ramon Magsaysay Awarded while interacting with the students*

# Seminar on Various aspect of Commercial photography
## Date: 19 August 2015

**About Speaker:** Sukhdev Singh is a renowned photographer who has an experience of video and still photography

"On the occasion of World Photography Day, Chitkara University played host to Commercial Photographer Mr. Sukhdev Singh, who discussed aspects of Commercial Photography with students of various other schools. This workshop was also the first event of the newly launched NotyI Photography Club."

Mr Sukhdev Singh (renowned photographer) conducted a workshop on 19 August 2015 and told about various aspects of photography and specially commercial photography where in events , portfolio making , wedding photography and many such areas are emerging . Product photography, institutional photography are also the fields where the students who are passionate on this creative aspect may opt as career.



*Group Photo of Sukhdev Singh with faculty of CSMC*

## Workshop on ECG for Nurses

### Dated: 09th to 10th Sept, 2015

To enhance the clinical knowledge of students, Department of Nursing had organized two days "Workshop on ECG for Nurses" on 09th to 10th Sept, 2015 for B.Sc. Nursing 2nd Year students. The main objective of the workshop was to enhance the knowledge, skills and attitude of students in performing the nursing skill i.e. ECG interpretation.

1st Day of the workshop consisted of informal interactive lectures covering the structure of heart with wiring diagram, indications, ECG pattern, Lead System Rate, Rhythm, Axis, Conduction, Normal ECG graphs with QRS complex (P, PR,ST, T,U Waves),

2nd Day of the workshop included the practice of ECG graph reading and interpretation for diagnosis and emergency treatment given to the patient. Further, Nursing Implication and case discussion was done.

No of Participants: 36

Details of resource person: Dr. Harmeet Kaur, Principal of Department of Nursing, Chitkara School of Health Sciences was the resource person. She is Masters in Cardiological/CTVS Nursing and PhD in Medical Surgical Nursing and has got rich clinical and teaching experience in the same field.



*Workshop on ECG for Nurses*

## Workshop on Ventilator

### Dated: 16th -17th September 2015

To upgrade the clinical knowledge and skills of nursing students, Department of Nursing organized two days workshop on "Ventilator" on 16th Sept – 17th Sept 2015 for B.Sc. Nursing 2nd Year students under the guidance of Ms. Navdeep Kaur, Assistant Professor, Department of Nursing, Chitkara School of Health Sciences. Faculty of Department of Nursing also attended the workshop. The primary objective of the workshop was to enhance the knowledge, skills and attitude of students in dealing with care of patient on mechanical ventilator. The emphasis was given on Basic terminologies, need of ventilator, types of ventilator, Pressures, Criteria for ventilating the patient, Settings involved & Nursing care of patient on ventilator support. Hence, the objective of this workshop was to contribute an effort to improve the existing knowledge of students regarding updated technology and science as per our expertise, keeping in view the needs of patients.

No of Participants: 38

Details of resource person: Ms. Navdeep Kaur, Assistant Professor, Department of Nursing, Chitkara School of Health Sciences, Chitkara University, Punjab was the resource person. She has done post-graduation and specialized in the field of Medical Surgical (Neurological) Nursing.



*Workshop on Ventilator*

# Seminar on 7 Steps to Success

**Resource Person** : **Mr. Narinder Parmar**

**Date** : **22-09-2015**

**Summary:**

You find yourself at a place where life is flowing with ease. You are ready to extend the flow and ease into a new phase of your life and wondering how to do so successfully. Following seven steps may help you to find flow with ease.

1. Set your goal: Start by setting your goal, It creates a clear intention and focuses the energy while releasing the pressure at the same time.

2. Commit: Take full responsibility for your journey by committing to seeing it through, especially in moments of insecurity and uncertainty.

3. Make Adjustments: Make adjustments along the way wherever needed, so that your choices and decisions match what you intended to accomplish.

4. Be Consistent: Be consistent with your goal and follow through. If your goal is to start your business, be with it and don't look for a job next week.

5. Expect to succeed: Visualize yourself being successful. This will help you keep motivated and believe in yourself.

6. Take Pride: Take pride in who you are and in what you do. Align yourself with your values, integrity and beliefs.

7. Have Enough: Have enough, you are on a journey, and yes there is a goal that will be reached, give yourself credit along the way. The more you appreciate, the more you will be able to enjoy the present moment.

**Resource Person:**

Mr. Narinder Parmar, a certified Master of Neuro-Linguistic Practice and certified Master Neuro-Linguistic Coach. Mr. Parmar has been Alumni of DAV College, Chandigarh, from where he graduated with Honors in Geography in 1978, followed by M.Phil, Geography from Panjab University in 1985 and served as a lecturer in DAV, Chandigarh and served The University of Queensland from 1990-91. Mr. Parmar has many successful books to his credit like Turning Point.

*Students and staff members of CCSRM with Mr. Narinder Parmar after the session*

# Workshop on Cardiac Monitoring and Defibrillator

## Dated: 23rd Sept – 24th Sept 2015

Department of Nursing had organized two-day workshop on "Cardiac Monitoring and Defibrillator" to enhance the clinical knowledge of students, from 23rd Sept – 24th Sept 2015 for B.Sc. Nursing 2nd Year students under the guidance of Dr. Harmeet Kaur, Principal, Department of Nursing, Chitkara school of Health Sciences. The key topics included in this workshop were Cardiac Monitoring/Assessment, Defibrillation, Need and Types of Defibrillator, Mechanism of Defibrillation, Operating of Automated External Defibrillator, Precautions/Safety /Risk while operating. Videos on cardiac monitoring and defibrillation were also shown to students to make them better understand the procedures.

No of Participants: 38

Details of Resource person: Dr. Harmeet Kaur, Principal, Department of Nursing, Chitkara school of Health Sciences was the resource person. She has done her post-graduation and PhD in Cradiological/CTVS Nursing. Faculty of Department of Nursing also attended the workshop.



*Workshop on Cardiac Monitoring and Defibrillator*

# Workshop on Nuances of Advertising World

## Date: 25-09-2015

**About Speaker:** Nitin Narang was the guest speaker from The Ideaz factory which is a premiere integrated marketing communications agency and corporate social responsibility agency based in Chandigarh. Also, he is also a Philip Kotler Certified marketing professional. He specializes in the area of rural marketing, integrated brand practices with CSR and political advertising.

A workshop on Advertising was conducted by CSMC which was attended by students pursuing specialization in advertising. Interactive session took place as the guest speaker apprised students on their knowledge about the advertising industry. In the beginning, Mr. Narang showed few ad videos of very unique concepts to give a brief explanation to students clearing their perspective of the ad world. He educated them about the nuances of organization the advertising campaign while keeping the target audience in mind and campaigning their way. He also informed them regarding the content driven market where either concept or creativity is the priority. Passion to strive and learn is important if you want to sustain in the market and student should not aim at high packages rather learning should be the priority.

Then in order to get the professional feedback, many inquisitive students showed their piece of work and gathered comments of the expert by furnishing their ideas further.



*Nitin Narang while interacting with the students on nuances of advertising*

# Seminar on Documentary Production

## Date: 28 September 2015

**Speaker:** Sunanda Dixit has served media industry for two decades and served many prominent TV channels like IBN 7, Zee, Sahara, TVI, ANI apart from teaching media studies in IP University, Jamia Milia Islamia, Delhi University.

Sunanda Dixit, a blend of academics and field exposure interacted with the students of Mass Communications to diminish the line between what they should expect from the college ad what from the field. She shared her experience of working in news channel and living in ambience of constant competitiveness, deadlines, commitments, pressures, etc. She said Tv journalism is very demanding field and takes away your social and family time, therefore one who is passionate about TV journalism should only pursue it. She also apprised students about how they should wok on their skills while pursuing their education.



*Sunanda Dixit in an interaction with the students of CSMC*

# Workshop on How to write effective use cases

## Dates: 30-09-2015 to 1-10-2015

A Two days' workshop on "How to write effective use cases" was organized by Department of Computer Applications, CUIET, CU Punjab, from 30th September till 15 October 2015. The workshop was convened by Ms. Deepika Chaudhary, Program In-charge (Computer Applications), and Mr. Jaswinder Singh, Assistant Professor (Computer Applications). As it is very well said that "The Problem well stated is half solved", this workshop was organized to prove this quote and make students aware about the importance of Requirement Engineering Phase in any Software Development Life Cycle. They were also informed about how the gathered requirement can be better analyzed through effective use cases and use case Diagrams. A group of nearly 50 students from MCA participated in the workshop. Dr. Jaiteg Singh from Chitkara University Research and Innovation Center acted as resource person for the same and delivered an Expert talk on Agile Methodologies. The presentations given by students were judged by a team of faculty panel including Associate Prof. Vikram Mangla, Dr. Jaiteg Singh and workshop conveners.



*Group picture of the event "How to write effective use cases"*

# Seminar on Handling Crime Reporters in Different Situations
## Date: 01 October 2015

**About Speaker:** The Inspector General of Chandigarh Police IPS Officer Rajinder Pal Upadhyay, is a 1991 batch officer of the Assam-Goa-Manipur and other UT's cadre officer. Recipient of Police Medal for Gallantry in 2006 and Police Medal for Meritorious Services in 2008), Mr Upadhyay was awarded with President's Police Medal for Distinguished Services on Republic Day this year. He was awarded with the honour in recognition of his distinguished services in the field of innovations and emphasis on greater professionalism, organizational development, streamlining of office functioning including training and welfare of subordinate of Chandigarh police. The IGP has strived to improve police community interface by introducing many projects and schemes of community policing and also free registration of crime, accident victim assistance for filing compensation, neighborhood watch schemes, digitizing police station records and Mobile .Police Stations etc, e-kiosks for registering complaints etc.

Mr. Rajinder Pal Upadhyay shared his experience with students and shared his stories related to with Media vis-a-vis covering crime and related beats as an official ED Spokesperson. He apprised the students about the general mistakes that media reporters make while reporting crime. He educated students about community policing and how it helps curbing crime.

He explained them the nuances of Crime vs Law and how reporting influences policing and law making process and how police ad media work hand in hand. As crime beat is most crucial and risky job, therefore he also discussed about the responsibility of the police to protect the reporter and their source. Therefore, he told the students to learn and understand that society can only balance if police and media word together for peace building.

*IPS Officer Rajinder Pal Upadhyay while apprising the students about crime reporting*

# Workshop on Programming Concepts

**Date: 8-10-2015**

A One-Day Workshop on "Programming Concepts" organized by Department of Computer Applications, CUIET, CU Punjab on October 08, 2015. The workshop was organized with an intent to improve the logic building skills of students of BCA and BCA-MCA (Integrated) courses. Certain important concepts, that form the foundation of the software programming, were discussed during the workshop. The students were also appraised regarding the life cycle of software program, good programming practices, importance of structured and modular programming, and application of iteration in programming. Stress was laid on development of programming logic through hands-on assignments wherein the participants were required to design algorithms and flowcharts for the given problems. The workshop was coordinated by Mr. Preetinder Singh Brar. The resource persons for the workshop were Mr. Vikram Mangla (Dy. Dean, Department of Computer Applications, CUIET, CU Punjab), and other senior faculty members of the department including Mr. Maninder Jit Singh Khanna, Associate Professor, Mr. Preetinder Singh Brar, Associate Professor, along with Ms. Arzoo Dhiman, Assistant Professor and Ms. Resham Arya. The workshop instilled confidence in the students regarding the programming logic, and they wished to be part of such workshops in future that concentrate on advanced concepts.



*Students being guided during the workshop*

# Skill Development Training on
# Role of Electrical Engineer in Today's World
## Dated: 19th October 2015

Department of Electrical Engineering, Chitkara University, Punjab has organized an expert talk on "Role of Electrical Engineer in Building Technology" on 19th October 2015 by Mr. Vinod Behari, Power Sector Skill Council with Electrical Engineers would be equivalent to kitchens without chefs.

# Theatre Workshop: Self Grooming

**Date: 25-11-2015**

*Resource Person*: Ms. Shweta Vij, Turning Point

Self-grooming enhances your personality - Once you start presenting a better version of yourself, you'll notice a significant improvement on your self-esteem. A boost in self-esteem will allow you to be more comfortable which in turn, enables your true personality to come out and shine!

Ms. Vij, herself into the field of training from last many years, elaborated some of the important grooming habits which she explained beautifully by quoting examples are listed as follows:

1. Take care of personal hygiene
2. Keep yourself fresh
3. Take proper sleep
4. Read daily
5. Do something creative
6. Follow your passion
7. Exercise daily

## Skill Development Training on
## Contribution of ASDC towards Skill India Mission
### Date: 2<sup>nd</sup> December 2015

Department of Mechanical Engineering organized an expert talk on "Contribution of ASDC towards Skill India Mission" on 2nd December 2015 by Sh. Sunil K Chaturvedi, Automotive Skill Development Council (ASDC). It was attended by 13 Mechanical engineering students.

Mr Sunil K Chaturvedi is the CEO of automotive skill development council of India, the first sector council in India established for addressing the skills gap facing by automobile Industry. He is also the head of India operations , access international capital into strategic consulting and cross border transaction services and mergers and acquisitions, operations in USA, Europe and India.

Some of glimpse of Expert Talk are as follows:



*Mr Sunil K Chaturvedi at Chitkara University Punjab*

# Report on Workshop on Research Methods & Data Analysis
## Date: 4-12-2015 to 10-12-2015

Chitkara Business School organized Faculty Workshop on "Research Methods & Data Analysis" in association with IBM SPSS. Considering the importance of learning, CBS always endeavours to create rigour in the academic environment by holding intensive workshops every year for students and Faculty. Mr. Saurabh Agarwal was the resource person. Mr. Saurabh Agarwal, Faculty, Harcourt Butler Technical University (HTBI), Kanpur, specialized in the field of Analytics, Market Research, Statistical Modeling, ERP, Training and Development, Analyzing data using statistical softwares like IBM SPSS, Financial Modelling/Optimization Techniques using Advanced Excel, Data mining using IBM SPSS Modeler, Structural Equation Modelling(SEM) using Amos. Faculty workshop was organized in the area of use of statistical methods through SPSS in research. Faculty from PAU, Ludhiana, UPES-Dehradun, Kurukshetra University also participated in the workshop. Total 28 students Faculty members and Research Scholars from different institutions and universities participated in this Workshop. Dr Amit Mittal, dean, doctoral research centre, Chitkara Business School, Chitkara University, offered vote of thanks at the conclusion of workshop.

# Workshop on Data Enabled Business Intervention

**Resource Person** : **Mr. Maninder Singh Mann**
**Date** : **12-08-2015**

**Summary:** Due to the plethora of information available in today's business environment, it becomesevident to store, evaluate, and strategize effectively to enable business advantage in the competitor's world. The challenge remains as to how effectively to use data to the organization's advantage. Data surely can enable business interventions. Big data can be as a new competitive advantage. There can be five ways to leverage big data.

1. Big data can unlock significant value by making information transparent. Data stored can easily be located and transferred.

2. As organizations can store and collect more accurate and detailed performance information to conduct controlled experiments to make better management decisions.

3. Big data allows ever-narrower segmentation of customers and therefore helps in many more precisely tailored products or services.

4. Sophisticated analytics can substantially improve decision making, minimizes risks, and unearth valuable insights that would otherwise remain hidden.

5. Big data can be used to develop the next generation of products and services.

**Resource Person**: Mr. Maninder Mann is B.E (electronics) from Thapar Institute of Engineering and Technology and PGDM, Sales and Marketing from Indian Institute of Management, Indore. Mr. Mann has experience working with companies like Pepsico, Cadbury, and now is Director of b3 Solutions, Co-founder Director, Career Inbox. Career inbox is working towards enhancing learning and employability in higher education.

*Workshop on Data Enabled Business Intervention*

## FDP on Modern Methodologies in Teaching and Research

### Date: 10-12-2015 to 17-12-2015

Eight days national level FDP on "Modern Methodologies in Teaching and Research" was organized by Chitkara Business School (BBA-B.Com) from December 10 to December 17, 2015.In order to train and develop professionals as per the modern methodologies used in teaching and for conducting research so that they can have a sound knowledge base linked to multi-disciplines and domain specific academic research.

The FDP was organized by the experienced faculty of the Chitkara Business School. Dr. Rashmi Aggarwal has more than 12 years of experience in teaching accounting and finance subjects. She holds a strong hand in handling large students and courses innovatively. Dr. Kiran Mehta, professor in finance and accounting holds more than 15 years of teaching and research experience. She has authored many books in the area of finance. She has more than 100 research papers published in journals of international and national repute. She has also developed study materials for various business related courses.

A total of 32 participants from inside and outside the university participated in this FDP. The FDP encompassed variety of learning settings like short lectures and video resources, activity based learning, evening workshops and group discussions. Major focus was on a participatory approach to learning. Other educational methods such as lectures, small group exercises, management games, and presentations were also used as breakout sessions.

*Pariticipants listening actively during the sessions*



11 12 2015

*A glimpse of the workshop*

# Skill Development Training on New Generation Pipes
## Date: 14<sup>th</sup> January 2016

Department of Mechanical Engineering organized an expert talk on "New Generation Pipes" on 14th January 2016 by Dr. Chandra Sekhar Nettem, Director-Strategy & Business, Ashirvad Pipes. Amongst several variants of plastic pipes available in the market, the demand for PVC and CPVC in particular, is on a rise due to their affordability, high quality and high durability. PVC, a material of the new generation, has been growing faster than expected. Keeping these terms in consideration a lecture was delivered on New Generation Pipes.

Dr Chandra Sekhar Nettem, Director Business development Ashirvad pipes limited, assess or pursue sustainable as well as profitable organic and inorganic growth opportunities. Introduces new products from the parent group and extension range products.

Some of glimpse of Expert Talk are as follows:



*Training session for students*

# Workshop on Raspberry Pi

## Date: 14-15 Jan, 2016

**Detail of Resource Person**:

Mr. Amit Kumar

Assistant Professor, Chitkara University, Punjab)

**Areas of Excellence**: Embedded Systems and IoT Applications Development

**Organized By**: Department of Electronics and Communication Engineering

**Facilities / Equipment available in Lab**: Raspberry Pi 3, node MCU and sensors

**Number of Participants**: 18

**Description of the event**: Department of Electronics and Communication Engineering has organised two days workshop on Raspberry Pi. A total 18 faculty members were participated in the event. The main motive of the workshop is to familiarize the participants about the topics such as: Introduction to IoT and embedded systems, IoT devices raspberry pi and node MCU, GUI designing cloud server, database, API, web services, handshake, data analytics and visualization.



*Workshop on Raspberry Pi*

# Workshop on
# Current Trends in Neuro Rehabilitation Based on Neurodevelopment Treatment (NDT) Principles
## Date: 2<sup>nd</sup> February to 17<sup>th</sup> February 2016

**Resource Person:**
- Loganathan G who is a Certified NDT & GK Balaji, certified NDT practitioner
- SI Practitioner

An intermediary course on "Current Trends in Neuro Rehabilitation based on Neurodevelopment Treatment (NDT) Principles" was organized by Department of Physiotherapy, Chitkara School of Health Sciences in association with Synapse Physio Pvt Ltd from 2nd February to 17th February 2016. This course was conducted by Loganathan G who is a Certified NDT & SI Practitioner and certified advanced NDT, USA and GK Balaji, certified NDT practitioner. This course was conducted in 2 modules. Module 1 was a 2 day course and the main focus of this introductory course was on the neurodevelopment treatment principles. Seven day Module 2 was an intermediary certification of NDT in adults with neuromotor disorders. Module 3 was a 7 day intermediary certification of NDT in pediatrics with neuromotor disorders. At the end of module 3, participants acquired a greater knowledge and skill required for use of NDT principles in treatment of adults and pediatrics neuromotor disorders. Ten participants attended this course.



*Current Trends in Neuro Rehabilitation based on Neurodevelopment Treatment (NDT) Principles*

# Workshop on Intricacies of C Language

## Date: 12 February 2016

Department of Computer Applications, CUIET, CU Punjab organized one day workshop on "Intricacies of C Language" on 12th February 2016. The workshop was conducted by internal faculty members Mr. Vikas Rattan and Mr. Preetinder Singh Brar, Associate professor, Department of Computer Applications, CUIET, CU Punjab. Objective of the workshop was to acquaint the learners of BCA Second semester with advanced concepts of C language that are usually not covered in routine classroom lectures. The session was indeed informative, and the participants were quite receptive to the ideas shared by the speaker. In afternoon session, learners were taken to the computer labs for hands-on problem-solving session.



*Workshop on Intricacies of C Language*



*Students interacted with faculty member*

# Workshop on Concierge Operations

## Date: 17-02-2016

Chitkara College of Hotel Management and Catering organized a workshop on concierge operations. Mr. Manoj Sharma, Head for concierge JW Marriott Chandigarh has 15 years of rich amount of experience in the Hospitality industry. Mr. Manoj Sharma conducted a workshop on Concierge operations and the concept of Golden Key was delivered to CCHMC students. The resource person shared wonderful knowledge with the students and even answered to a lot of their queries. Event was the great success and students inculcate contemporary information from the guest. Students find this session very motivating and fruitful in which around 80 students were participated.
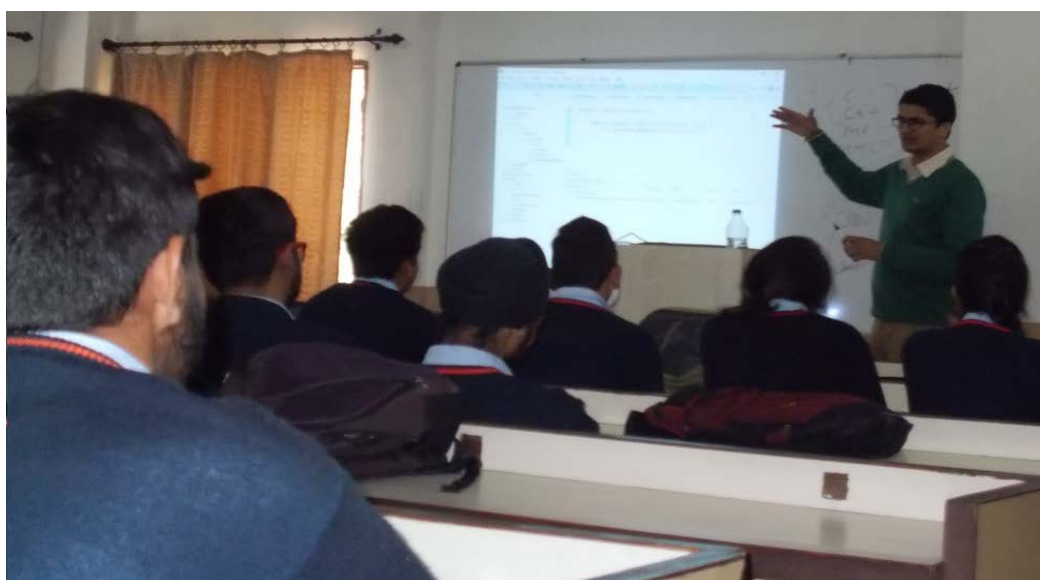


*CCHMC students attended session very meticulously*

# Workshop on Java Using Eclipse IDE

## Date: 18 February 2016

Department of Computer Applications, CUIET, CU Punjab, organized a one-day workshop on Java using Eclipse IDE on 18th February 2016. Mr. Ashish Aggarwal, Sr. Software Engineer II, Quark, conducted the session. The workshop was attended by students of MCA-2 and BCA-4. The speaker shared certain practices prevalent in the industry pertaining to programming using Java, and other technologies. The session was indeed informative, and the participants were quite receptive to the ideas shared by the speaker. Participants were told about the various IDEs available for Java. The workshop was able to achieve its intended objective of driving the students to the point where they begin to comprehend the problems and then realize the appropriate solution thereof by employing object-oriented paradigms.



*Mr. Ashish Aggarwal interacted with BCA and MCA students*



*Workshop on JAVA USING ECLIPSE IDE*

# Workshop on Thai Cuisine

## Date: 19-2-2016

Chitkara College of Hotel management and catering organized workshop on Thai Cuisine. Thai cuisine is known for its enthusiastic use of herbs and spices. Common flavors in Thai food come from garlic, galangal, coriander/cilantro, lemon grass, shallots, pepper, kaffir lime leaves, shrimp paste, fish sauce, and chilies. Chef Thipaphol Boonsri has a rich amount of experience in Thai cuisine. He worked in various Thai fine dining restaurants in which is mastered his skills. The workshop was held to provide an experience to the students of the Thai cuisine. Thai cuisine is very famous and acceptable for all palates around the globe. However chef is expertise in Thai cuisine which is in good demand in the present culinary world. The workshop was based on the techniques involved in mastering the Thai food. Students were involved with the chef during preparation and presentation of the dishes. Students learned various contemporary and modern techniques which are used in Thai cuisine. It was very informative and knowledgeable session around 50 students was participated in the workshop.



*CCHMC students were diligently involved along with chef*

# Pharmacy Practice Module-II
## Radiographic & Ultrasonographic imaging and their interpretations for Therapeutic management and Outcomes
### Date: 24-02-2016 – 26-02-2016

Chitkara College of Pharmacy successfully has organized a Pharmacy Practice Module-Advance learning series on "Pharmacy Practice Module-II Radiographic & Ultrasonographic imaging and their interpretations for Therapeutic management and Outcomes from 24-02-2016 to 26-02-2016 at Chitkara University, Punjab and under the supervision of Dr SandeepArora Director CCP.

**Objectives:** To design a common platform to interact and collaborate with renowned speakers, experts and industry professionals. To discuss Radiographic &Ultrasonographic imaging and their interpretations for Therapeutic management and Outcomes and focuses on both the diagnosis and treatment imaging techniques for cancer and various other diseases along with the role of clinical pharmacist in Radiology and imaging.

**Outcomes**: Over 165 delegates from different institutes, universities and medical colleges attended this module. Eminent speakers from academia and industry marked their presence and conducted various sessions in this module. They enlightened the area of Radiology in clinical therapeutics and discussed that although radiology is an emerging technique but still some adaptations are necessary. Its contribution towards the improvisation of both diagnosis and treatment modalities are significant whereas major concern for the researchers with this imaging modality is to minimize the harmful side effects of radiation. They informed students and researchers that many of the pharmaceutical agents being used carry specific risks to patients; these risks must be understood, anticipated, and addressed when the drugs are administered. In addition, like any pharmaceutical product administered to patients, these agents have the potential to create adverse reactions that should be monitored and reported. They focused on the role of pharmacist in this field. Pharmacists' unique knowledge and understanding of drug therapy makes them the most logical providers of drug information related to diagnostic imaging. With today's emphasis on medication therapy management (MTM) and pharmacists' expanding responsibility for providing this type of drug review, the administration of pharmaceutical agents in the radiology department should not be

excluded. All the participants were felicitated with certificates. The mega event ended with a great enthusiasm to meet again in next module.



*Faculty participants in Pharmacy Practice Module –II at Chitkara College of Pharmacy, Chitkara University, Punjab*



*Felicitation of guest of Honor in Pharmacy Practice Module –II at Chitkara College of Pharmacy, Chitkara University, Punjab*

# Skill Development Training on Role of Faucets in Saving Water

## Date: 1<sup>st</sup> March 2016

Department of Mechanical Engineering organized an expert talk on "Role of Faucets in Saving Water" on 1st March 2016 by Mr. Sameer Malhotra, Director, Essel Bath Fitting. This lecture promotes the use of faucet as it saves water and brings ease and comfort in life. 12 students of final year mechanical engineering attended this event.

Mr Sameer Malhotra is successfully running the bathroom fitting business since last 28 years. Has launched many brands having PAN India network in sales.

Some of glimpse of Expert Talk are as follows:



*Delegates including Mr Sameer Malhotra with Fraternity at Chitkara University*

## Seminar on Avenues in Corporate Communication
### Date: 01st March 2016

**About Speaker:** Servicing as Pro-Vice Chancellor (Emeritus), UTM Shillong, he was Proctor Amity University and Director at Amity School of Communication. Worked with the Hindustan Times for 19 years, Special Correspondent from 90-97. Covered many national and international assignments, prominent being 1984 Los Angeles Olympics, World Cup Hockey in London 1985, World Cup Athletics in Helsinki, Operation Bluestar and Black Thunder, IPKF operations in Sri Lanka.Also reported for BBC, Reuter and Voice of America. Did a cover story for TIME magazine.

Whole interacting with the students of mass communication, Mr. Avinash shared the nuances of how communication is the most effective and lucrative way of making a mark in the media field. Highlighting the communication theories, he showed how corporate communicate for brand building. From internal branding to external branding, he shared how an effective communication can make breakthroughs. He also shared case studies with the students to prove his points. He also shared the traits of the brand manager who handles the crises in the corporate and the way he should select his words for influencing public. Emphasising on the effectiveness of strong communication, he asked the students to develop the tea unique of effective communication as communication in the key element in the media field.

In the end, he answered all the questions of the Students and paid his gratitude to Dean, Mr. Ashutosh Mishra for inviting him to the school for an interactive session.

*Mr. Avinash Singh giving away the prizes to Himani Sharma and Sanjeet for most active students during session*

## Workshop on Operations Theatre Management
### Date: 02-03-2016 to 09-03-2016

Chitkara Business School organized eight day workshop on Operations Theatre Management from 2nd February 2016 to 9th March 2016. Dr. Andreas Fiehn, a hospital management expert from Germany, trained the students of MBA - Healthcare Management, on the techniques for efficient management of an operation theatre. Dr. Andreas Fiehn, Medical Director, AGAPLESION Diakonie Kliniken Kassel, Germany is the Founder and Managing Director of the consulting company FFT Management. Health oHG based in Stuttgat, Germany. He is handling projects with Tyco Healthcare, GFU consulting, Diomedes healthcare consultants, independent physician associations, German Hospital Association, DFG, German Group of Specialists Care. Thirty eight students successfully completed the workshop and gained from the experience of the expert. Through this workshop, participants gained perspective of how operations theatres are managed at an international level. They learned methods for maximizing operational efficiency at a healthcare facility. That is, how to maximize the number of surgical cases with minimum required resources and related costs. Through structured didactic and hands-on sessions, participants learned analysis, decision making and implementation issues for better Operation Theatre management. Participants expressed their desire for more such workshops. The workshop concluded by a vote of thanks by Dr. Navreet Kaur, Professor, Chitkara Business School.



*Dr. Andreas Fiehn enlightening students on various techniques of OT*

*Students with Dr. Andreas Fiehn during workshop on Operation Theatre Management*

# Workshop on French Cuisine

## Date: 11-3-2016

Chitkara College of Hotel Management and Catering organized a workshop on French cuisine consists of the cooking traditions and practices from France. Cheese and wine are a major part of the cuisine. The country's cuisine is not to be forgotten. Whether it's a simple croissant or a classic dish like escargot, French food always has a gourmet feel to it. The resource person for the workshop was Chef Virender Rana, Deputy Dean GNA University. The workshop was aimed at giving hands on experience to students on the French cuisine. It was very informative and fruitful workshop for the students in which around 45 students participated. Live demonstration was given to students.



*Chef Virender Rana with the students of CCHMC*

*Chef Virender Rana shared his expertise with students*

# Workshop on Documentary Making

## Date: 14-03-2016 to 18-03-2016

**About Speaker**: Ashish Dubey is director and Co-founder at Sinashh Films. He has worked as Assistant Director, Writer, and Producer.

Mr Ashish Dubey who is Mumbai based writer and director has conducted four days workshop for the students of MAJMC (Second Semester) from March 14 to 18 in the department here.

During the workshop, Mr Dubey, has delivered lectures on history of film making and discussed production process of some of the movies. He also imparted information about the present scenario prevailing in the film industry and provided useful information to the students about some old films. The students have also made some short stories during workshop within the campus only. Besides the students, faculty members include Dean Dr Ashutosh Mishra and other faculty members Mr Kiran Deep, Mr Rajesh Chauhan, Mr Shyam Kumar and Mrs Gurjeet Kaur have also attended the workshop.



*Ashish Dubey in an interaction with students during Workshop*

# REPORT ON
## Workshop on Patient Safety
### 16-03-2016 to 17-03-2016

Patient Safety is a global issue. Recognizing the relevance of this concern, Chitkara Business School conducted a two-day workshop on Patient Safety in health care from 16th March 2016 to 17th March 2016. Dr. Akhil Sangal and Dr. Poonam Rajput trained participants on the techniques for prevention, reduction, reporting, and analysis of errors that occur to patients during provision of health care. Dr. Akhil Sangal is Chief Executive Officer, Indian Confederation at Healthcare Accreditation, Delhi, India. His area of expertise includes Quality and Accreditation in Health and healthcare systems, Management areas e.g. OD and individual development. Dr. Poonam Rajput holds diversified Clinical and Managerial experience in the Public Sector, Armed Forces and Private Sector. She is competent and versatile Administration Professional offering a comprehensive experience across the entire gamut of operations involved in Hospital Administration, Material Management, Operations as well as Quality Management Systems and motivating as a team leader. She is capable to develop & maintain strong, positive business relationships with key internal clients to clearly understand their business processes, and the development/articulation of short & long term business objectives. She is a Trained Black Belt holder in Lean Six Sigma and has implemented Process & Outcome Improvement initiatives in Govt. Hospitals, Eye Centre and Small Healthcare Organisations. Participants were acquainted with methods that help reduce infection rates, put checks in place to prevent mistakes, and ensure strong lines of communication between hospital staff, patients, and families.

*Dr. Poonam Rajput addressing students*

# International workshop on Mobile Documentary
## (Collaboration with Metropolia University Finland)
### Date: 04-04-2016 to 06-04-2016

**About Speaker:** Ms Auli Sillanpää and Ms Teija Voudinmäki and are Sami Levo, Miia Nousiainen, Karollina Sorjonen, Tiina Svensk, Nelli Uurtimo, Katja Ylinen, Saara-Miira Kokkonen, Heta Laiho and Nelli Lapintie. MAJMC II semester students and BAJMC IV semester students are represented CSMC.

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A three day Mobile Documentary workshop concluded today at the School of Mass Communication in which our media faculty worked with faculty from Finland. The Finish faculties were from University of Metropolia at Helsinki and Turku UAS University, Turku.

During the workshop, interactive sessions were held between the faculties of both the institution on the nuances of documentary making and how this workshop can be made more handy and productive for the students of both the universities.

The faculty of media school made short films over a period of two days that were screened and analyzed by the faculty from Turku.



*Group Photo of Faculty and students after Workshop*

# Workshop on TECHNOGYANAM – 2016

## Date: 07 April 2016 to 08 April 2016

Time:                  **0930 hrs. to 1600 hrs.**

Venue:                 **Pulitzer Hall, Chitkara University**

Organising Club**:**     **Department of Computer Applications**

Resource Person:       **Mr. Devender Kumar, Techno Species Global Solution**

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Department of Computer Applications, CUIET, CU Punjab, in association with Techno Species Global Solution and BRCA IIT Delhi, organised a two-days National Level Workshop "TECHNOGYANAM 2016" on 7-8 April 2016 on the topic "Digital Marketing". The workshop was attended by more than 30 participants from various branches of B.Tech, MCA and BCA. The expert gave an insight into the various aspects involved in optimization of websites and emphasized on the role of an Analyst in the field of Digital Marketing. A competition among various teams comprising the participants was also held. The winning team will be representing Chitkara University at national level competition to be held at IIT Delhi. The workshop was a huge success with very good feedback from the participants.



*Group photo of Workshop on TECHNOGYANAM - 2016*

# REPORT ON

## Two Days National Workshop on Awareness of Intellectual Property Rights

### Date: 8th - 9th April 2016

Chitkara University Research & Innovation Network in association with Department of Electronics & Information Technology organized two days National Level Workshop on AWARENESS OF INTELLECTUAL PROPERTY RIGHTS on 8th - 9th Apr 2016. The workshop was fully funded by Department of Electronics & Information Technology (DeitY), Ministry of Communications & IT. The workshop was organized keeping in mind the growing Importance of intellectual property which is often equaling or surpassing the value of physical assets for an organization. The state of the intellectual property of an organization determines their share and corresponding influence on the market. This is turn acts as a driving force for boosting national economy in the era of globalization hence to address the issues and challenges in the field of Intellectual property Rights. The workshop was designed such that it offered an opportunity to academician, practitioners and scholars to explore and unravel the mysteries in the growing field of Intellectual Property Rights. The program enlightened the participants and the audience with innovative strategies and practices in the field of Innovation and IPRs.

The resource persons include:-

- Dr. Archana Mantri-Pro Vice Chancellor, Chitkara University Research & Innovation Network Dr. Parikshit Bansal-Ex- Faculty and Head, IP , NIPER, Mohali
- Mr. Sarjinder Singh-Head, IP. TATA INDUSTRIES, Mumbai
- Mrs. Kompal Bansal-Patent Attorney and Director, Corporate Intellectual Property, Chandigarh
- Mr. Sandeep S. Kohli-Vice President, Product Development, TT Consultants
- Mr. Pawan Goel-MD, Chemical Resources, Panchkula
- Mrs. Raj Katyal-Innovator, Jalandhar

In the workshop total 195 participants from different colleges and Universities from Punjab participated and were benefitted with the knowledge and experience of the resource persons from Academics/Industry/Independent innovators in the field of Intellectual Property.

*Workshop Participants and experts on Day 2 of the workshop*

# NABH Training Certification Workshop
## Date: 1st May, 2016 to 8th May, 2016

A week-long NABH Training Certification Workshop was conducted for students of MBA Healthcare Management by Chitkara Business School. Dr. Viney Kapoor and Dr. Sanjeev Gupta were resource persons for the workshop. Dr. Viney Kapoor is a lead assessor at National Accreditation Board for Hospitals & Healthcare Providers. He possesses excellent skills in new program development including strategy, market analysis, clinical practice guidelines implementation, capital equipment, physician recruitment, staff recruitment and launch of new programs with marketing & sales initiatives to select patient populations. He is an expertise in NABH consultancy and NABH Assessment. Dr. Sanjeev Gupta is an expert & has inclination to Quality & Accreditation. He is good at strategy, conceptualizing, Business Development. His expert area includes Hospital Management, Quality & accreditation, Business strategy & development, Talent acquisition & trainings The learned resource persons guided the students and shared their practical insights on implementation of Accreditation Standards. They delineated processes for better quality of care, patient safety and general facility safety. 35 students have actively participated and gained insights in the Workshop. Dr. Renuka Sharma, faculty, Chitkara Business School offered a token of gratitude to the resource persons and concluded the workshop.



*Dr. Viney Kumar Kapoor addressing Queries of participants*

*Dr. Sanjeev Gupta orienting students during Workshop*

# Skill Development Training on
# Safety and Standards in Engineering

**Date: 10<sup>th</sup> May 2016**

Department of Mechanical Engineering organized an expert talk on "Safety and Standards in Engineering" on 10-05-2016 by Mr. Eric Dupont from Government Industrial Training Institute. He is the director of institute and training officer.

Some of glimpse of Expert Talk are as follows:



*Mr Eric Dupont from Government training engineering Institute at Chitkara University*

# Startup Weekend Chandigarh

## Date: 29-31 May 2016

Startup Weekend took off with a high impact on May 29th 2016, with over 107 Students from Engineering Department at Chitkara University, Punjab registering for this globally acclaimed program for building, New Startup Ideas. 13 teams were formed, who had diverse business Ideas, mainly into biotech, high tech innovation, IT, Ecommerce, Food Biz, Edu Tech, Health Tech and more. DAY 2 witnessed Young Entrepreneurs from Tricity and Delhi-NCR to mentor those newly formed Start-ups. Over 11 Mentors, running successful Start-ups came forward to voluntarily guide the aspiring new Startup iDEAS. Among them was the famous TriDeal (now Little) Founder Mr. Sameer Sharma.

The noted Jury was comprised of Mr. Brett Stevens, Vice President Jaarvis Accelerator, Australia, Mr. Jaspal Singh, Co-Founder Jaarvis Accelerator from Hong Kong, Mr. Christian Hanser, GM-Sigma Freudenberg NOK-Germany. Out of the thirteen teams that pitched their ideas, three made it to the top based on the criteria of MVP and idea viability: Winner 1: Fruit Filter: A frugal innovation for clean drinking water for rural areas. They will develop a product which will be a water filter in just 350-400 Rupees. What they won: 2 years of free incubation space to work, mentoring opportunity with top industry mentors, and initial seed capital for prototyping.



*Participants during Startup Weekend*

*Participants pitching their during Startup Weekend*

# Workshop on
## Designing and Analyzing Mid-term Assessments to Address Course Objectives and Improve Class Performance

*Resource Persons:* Dr. Archana Mantri

*Duration***:** 3 days (June 20- June 22, 2016)

Chitkara University Research and Innovation Networks, Chitkara University, Punjab organized 3 days workshop titled "**Workshop On Designing and Analyzing Mid-Term Assessments To Address Course Objectives and Improve Class Performance**" **at Chitkara University Punjab** from 20th June to 22nd June, 2016. Assessments are of two types– Continuous assessments or formative assessments & End term or summative assessments. Both of them are very important and have their own objectives. In contemporary times, formative assessments carry a lot more weightage as compared to summative assessments – simply because the educators now realise that the assessments can drive learning. If the assessments are designed such that they enthuse inquisitiveness in the learner, they become lot more meaningful.

Midterm assessments have to migrate from the traditional 2hours written exam for theory papers and viva voce exam for practical papers so that they can bring in more innovation. Twenty-Four faculty members and HoDs from various departments of Chitkara University, Punjab attended the three days workshop. The attributes of 21st century professionals are to be built in the formative assessments too. As teaching and pedagogical techniques are important skills for the 21st century teachers, so are designing meaningful assessments.

In the workshop, various objectives, techniques and ways to design meaningful assessments tools were discussed. Techniques of setting Mid erm tests, including MCQs, Subjective questions, Graphical interpretations, reasoning, connect questions were discussed and practiced. Importance of open book tests, oral exams, group discussions, demonstrations, troubleshooting as mid term assessment tools were also discussed.

# Workshop on
# Image Segmentation Based Techniques

*Date:* **20-22th June, 2016**

Chitkara University Research and Innovation Networks, Chitkara University, Punjab organized Three Days **workshop on Image Segmentation Based Techniques** from 20-22 June, 2016 at Chitkara University, Punjab. Image segmentation is the process of partitioning a digital image into multiple regions (sets of pixels); the pixels in each region have similar attributes. It is often used to separate an image into regions in terms of surfaces, objects, and scenes, especially for object location and boundary extraction. In this workshop, many general-purpose algorithms and techniques have been explained for image segmentation sing MATLAB.

*Resource Persons:* Dr. Sheifali Gupta

**No. of Attendees:** 25

Typical and traditional methods taken were (1) threshold-based method; (2) edge-based method; and (3) region-based method. We also taught an approach of image segmentation based on mathematical morphology operator. Some of the practical applications of image segmentation are also considered like Medical imaging including volume rendered images from computed tomography and magnetic resonance imaging, Locate tumors, Object detection. Total 25 researchers participated in this workshop.

# Workshop On
# Data Mining Using Rapid Miner
### Date: June 20 – June 22, 2016

Chitkara University Research & Innovation Network organized a two day workshop on **Data Mining using Rapid Miner** from 20-06-2016 to 22-06-2016 at Chitkara University, Punjab. Rapid Miner is one of the most widely tools used for performing preprocessing of data and data analytics using various data mining algorithms. Most of the Academic research requires the data analizing skills and the results from the automated tools are preferred for publishing as they are accurate.

**Resource Person:** Dr. Sachin Ahuja, Associate Professor, Chitkara University, Punjab

Keeping the above viewpoint the workshop was designed for the participants who wish to understand the data analytics capabilities of RapidMiner and how the results achieved can be utilized to for writing a quality research paper. Total no. of 33 faculty members, research scholars from Chitkara University attended get benefitted from the workshop. The workshop covered various topics such as Data preprocessing, Classification using Decision Tree and SVM. Clustering and introduction of Data Segmentation.

# Workshop on Intellectual Property Rights

## Date: June 23, 2016

Chitkara University Punjab organized a one day Workshop on "Intellectual Property Rights". Coordinator for the workshop was Dr. Sachin Ahuja, Director Research, CURIN, Chitkara University Punjab. Dr Sachin sensitized the audience on various IPR issues and procedures for registration of patents, copyrights and designs. The Three day long workshop covered important topics such various IPR types, and Four Point search to check the patentability of the ideas. The Valedictory function was graced by Dr. Madhu Chitkara, Vice-Chancellor, Chitkara University where all the resource persons and subject experts were honored. Total 25 participants participated in this workshop.



*Dr Sachin Interacting with the participants*

# Workshop on Machine Learning using WEKA

*Resource Persons:* Dr. Prateek Bhatia, Mr. Bhisham Sharma, Dr. Raman Singh
*Date***:** June 23 – June 25, 2016

The Faculty and Staff of Chitkara University, had a workshop in the topic of **"Machine Learning using Weka",** which was held from 23rdJune to 25th June 2016. The workshop was conducted in MooC Hall, Edison Block with 34numbers of participants.

**Dr. Parteek Bhatia** is working in the Department of Computer Science and Engineering at Thapar University, Patiala. He has more than eighteen years of academic experience, including six years at D.A.V College Amritsar. He has published more than 75 research papers and articles in Journals, Conferences and Magazines of repute. His research work with UNDL foundation, Geneva, Switzerland involved participation in Advanced UNL School at Alexandria, EGYPT in 2012 and at Geneva, Switzerland in 2013 and 2014. He is a winner of Gold Medal at International competition UNL Olympiad II,UNL Olympiad III and UNL Olympiad IV conducted by UNDL Foundation. He has also undergone various faculty development programme from industries like Sun Microsystems, TCS and Infosys. He has authored six books including Simplified Approach to DBMS, Simplified Approach to Visual Basic and Simplified Approach to Oracle.

The program schedule gives a tentative idea but not limited to above mentioned ideas only. The first day was fully dedicated to beginning with Machine Learning and Machine Learning Concepts and Beginning with Weka. The participants were given an intensive training on solving machine learning based problems using Weka. 34 faculty members and scholars attended the workshop and learnt the technique and benefits of Weka.

The second day was started with study of Classification Algorithms like decision trees, boosting, support-vector machines, nearest neighbor algorithms, Naive Bayes, and neural networks. The participants were implemented these Classification Algorithms using Weka open source tool.

The final day was started with Study of Clustering Algorithms like K-Means Clustering, EM Clustering, and Hierarchical clustering. It also includes the concept of Association Mining. The participants were implemented these Clustering Algorithms using Weka open source tool.

*Workshop on Machine Learning using WEKA*

# Workshop on
# Application of Global Positioning Systems in Geoinformatics
## Date: 23-06-2016 to 25-06-2016

A 3-day workshop on **Application of Global Positioning Systems in Geoinformatics** was conducted on 23 June 2016 to 25 June 2016. The workshop was conducted by Dr. Jaiteg Singh wherein he discussed various topics related to the GIS. Researchers, faculty members and the students of post-graduation programs from different academic colleges and universities attended the workshop. The workshop was attended by 22 participants. The various topics covered in the workshop included the following

- Cartography, mapping, visualization and applications
- Remote sensing and geographical information systems (GIS)
- Global Positioning Systems (GPS)
- Map and location-based services
- Finding location using service provider or broadcast receiver
- Geospatial applications in natural resource management
- Mapping with GIS printing and reproduction of Maps
- Recording GPS coordinates using Android phone
- Using Android for GIS and GPS

The workshop offered an opportunity to the participants to gain an insight to the geoinformatics. A demonstration of using the Open Street Maps (OSM) was also given to the participants.



*Workshop on Application of Global Positioning Systems in Geoinformatics*

## Workshop on Speech and Natural Language Processing
### Date: 27th June – 30th June, 2016

Dr Virender Kadyan, Assistant Professor, Chitkara University Research and Innovation Network organized a 4 Day workshop on **Speech And Natural Language Processing** from 27-06-2016 to 30-06-2016 at Chitkara University, Punjab. The workshop covered various aspects of Natural Language Processing. Twenty four participants registered for the workshop from various departments of Chitkara University, Punjab. Natural language processing (NLP) is the interdisciplinary field of computer science and linguistics, using machine learning to achieve the end goal of artificial intelligence.

*Resource Persons:* Dr. Amitoj Singh, Dr. Sachin Ahuja, Chitkara University, Punjab and Dr. Suman Preet, Head, Department of Linguistics and Lexicography, Punjabi university Patiala.

There is a whole field of scientific study dedicated to linguistics and the attempt to make language structured. Unfortunately, in the case of real-world language, the laboratory is staffed by average people, which makes uniformity a near impossibility. Simply put, it allows computers to understand human language — speech or text. During the workshop machine learning models for NLP and use of deep learning models were covered by the resource person. The participants were provided hands-on training on machine learning models used for NLP and language models.

*Workshop on Speech and Natural Language Processing*

# Workshop on
# Voyaging with Routing and Protocols in Computer Networks
# Conducted by Dr. S.N. Panda

**Date: 27-29th June, 2016**

| | |
|---|---|
| Time | **0930 hrs. to 1600 hrs.** |
| Venue | **NB-305** |
| Resource Person | Er. Vidhu Baggan |
| Convener | Dr. S.N Panda |

To enhance the skills of Faculty, the department of CURIN' organized Three days **Workshop on Voyaging with Routing and Protocols in Computer Networks** from 27th June to 29th June, 2016. in the domain of real scenarios of computer networks and its protocols. The three day workshop was focused around the concepts and practical implementation of routing protocols. Dr. S.N. Panda, convener the workshop shared his views with the participants. Ms. Vidhu Baggan, Assistant Professor, Chitkara University, Punjab conducted the three days hands on training session with Mr. Rajesh Kumar Kaushal. Thirteen participants from various departments attended the workshop. The following topics were covered during the workshop:

- Introduction to Networking  Concepts

- Routing  (Static and Dyanamic)

- Routing Protocols (RIP ,EIGRP)

- Switching Concepts (VLAN,VTP)

- Switching Loops (STP)

- Network Security (ACL,NAT)

# Workshop on
## Organizing Research: From Concept to Dissemination

Date:        **27-06-2016 to 29-06-2016**

Convener:    **Dr. Jaiteg Singh, Professor**

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In order to encourage research and development among faculty members, a three-day workshop titled **Organizing Research: From Concept to Dissemination** was organised on 27-29 June 2016. Dr. Jaiteg Singh, Professor, Department of Computer Science and Engineering was the resource person.

The workshop intended to introduce various nuances of the research work to the participants. The different phases of research work such as formulation of hypothesis, preparing research design, data collection, data analysis, drawing conclusions and generalizations of the research outcomes were discussed in detail. The participants given a walk through of these activities through hands-on experience during the progression of the workshop.

During the course of the workshop, the participants were made to carry out a brief literature survey to establish the research gaps. which was followed by defining the objectives of the research. No. of 52 participants attended the workshop. The various methodologies for research were also discussed in detail. The participants were also given a flavour of actual research by making them write an outline of the research papers on the topic of their interest.

*Workshop on Organizing Research: From Concept to Dissemination*

# Workshop on
## IUCEE - IGIP Pre-Certification Workshop or Engineering Faculty
### Dated: 30th June to 2nd July, 2016

Chitkara University Research and Innovation Networks, Chitkara University, Punjab organized 3 days workshop titled "**Workshop on IUCEE - IGIP Pre-Certification Workshop for Engineering Faculty** from 30th June to 2nd July, 2016 at Chitkara University, Punjab. This three-day hands-on face-to-face workshop by global experts in engineering education and is designed to enable the participants to begin to understand the principles of learner-centered teaching; to design or redesign a course and its elements, emphasizing learning outcomes; to develop different teaching and active learning strategies for implementation of these elements; to design formative and summative assessment tools and rubrics for outcomes assessment. Successful completion of Phase I is a pre-requisite for completing the rest of the two phases. Total no. of 12 participants (internal and external) attended the workshop.

**Resource Person:** Dr. Archana Mantri, Pro Vice Chancellor, Chitkara University, Punjab

The participants were able to:

- Explain how learning happens based on the major theories of learning including brain-based learning.
- Identify the learning & employability needs of the Millennial learners and to implement strategies to sustain their motivation
- Develop a personal Teaching Philosophy Statement that includes participant's short and long term goals
- Write/review course outcomes using Bloom's taxonomy and map them to program outcomes.
- Explain Lowman's 2D model for Effective Teaching and design activities for promoting Intellectual Excitement & Interpersonal Rapport.
- Plan and implement the Flipped class
- Create a dynamic classroom by using a variety of active learning strategies
- Write high quality tests and quizzes substantially based on a deeper awareness of effective assessment principles and practices

- Develop transparency in assessment by creating rubrics and providing constructive verbal and written feedback.
- Plan and implement collaborative learning activities in order to develop real world professional skills needed for employability
- Design and record lectures in the audio & video formats
- Use/create virtual labs in theory & lab. classes
- Create a dedicated course website using free resources





*Workshop on IUCEE - IGIP pre-certification Workshop for Engineering Faculty conducted by Dr. Archana Mantri from 30th June 2016 to 2nd July, 2016*

# Workshop on
# Cyber Security with Machine Learning Concepts and Field Programmable Gate Array Implementations (CML-FPGA)
## Date: 27-06-2016 to 29-06-2016

The main focus of this workshop is to create a knowledge pool of researchers which is interested to work on network and information security with Field Programmable Gate Array (FPGA) implementations. The participants were guided to write research papers in the area of network security, and/or their hardware implementations with FPGA for securing Cloud/MANET/WSN/IoT/VANET communications.

**Brief Profile of Speaker:**

Dr. Ramkumar Ketti Ramachandran  - Cyber Security and Network Security

Dr.Raman Singh – Cryptography and Network Security

Dr. Harsh Sohal-  Field Programmable Gate Array

The following concepts were taught in detail

- Number theory and  Prime numbers

- XOR Implementations in FPGA

- Polynomial Interpolations and Security Standards

- Logic Gates design and Implementation in FPGA

- Feistal Structures of various Symmetric algorithms

- Substitution Boxes and Permutation and Combination methods

- Data Confusion and Diffusion methods.

The participants were encouraged to complete at least any one of these review articles - Digital Signatures, Secrete Sharing, Key Management in Wireless networks, IoT security, FPGA, and they were trained in Overleaf to write research articles. Total no. of 17 faculty members attended the workshop.

*Workshop on Cyber Security with Machine Learning concepts and Field Programmable Gate Array Implementations (CML-FPGA)*

# Workshop on
# Designing and Analysing Feedback from Students, Parents, Industry and Alumni
**Date: 30-06-2016 to 02-07-2016**

**Introduction to the topic**

Giving feedback is an important skill for lecturers in higher education and has a major influence on the quality of learning. However, it appears that, in its practical application, not all feedback is equally effective. This is a problem which applies to both students and lecturers. In working towards more effective feedback in higher education can prove a source of inspiration. Researches proved that there are three conditions for achieving effective and efficient feedback in classroom practice. The first condition refers to the necessity of drawing up assessment criteria and making sure students are familiar with them. The second condition posits that feedback has to include a comparison between the actual level of the product and the expected level. The last condition suggests that feedback has to include information that can help students to improve assignments. This workshop contents include the various forms and conditions of feedback in more depth, with the emphasis on the practical application of theory besides having focus in detail on various aspects of how best to guide and supervise students that have been shown to have an important influence on making feedback more effective.

**About the Workshop**

This workshop focused on teacher and student presence, interaction, collaboration, and multimodal feedback on online courses. Participants explore ways of creating safe and encouraging learning environments, look into course design and activities that promote interaction, as well as present ways and tools for giving multimodal peer and teacher-student feedback. The workshop participants were engaged in case discussions on how to improve and develop online courses with a special focus on presence, interaction, and feedback.
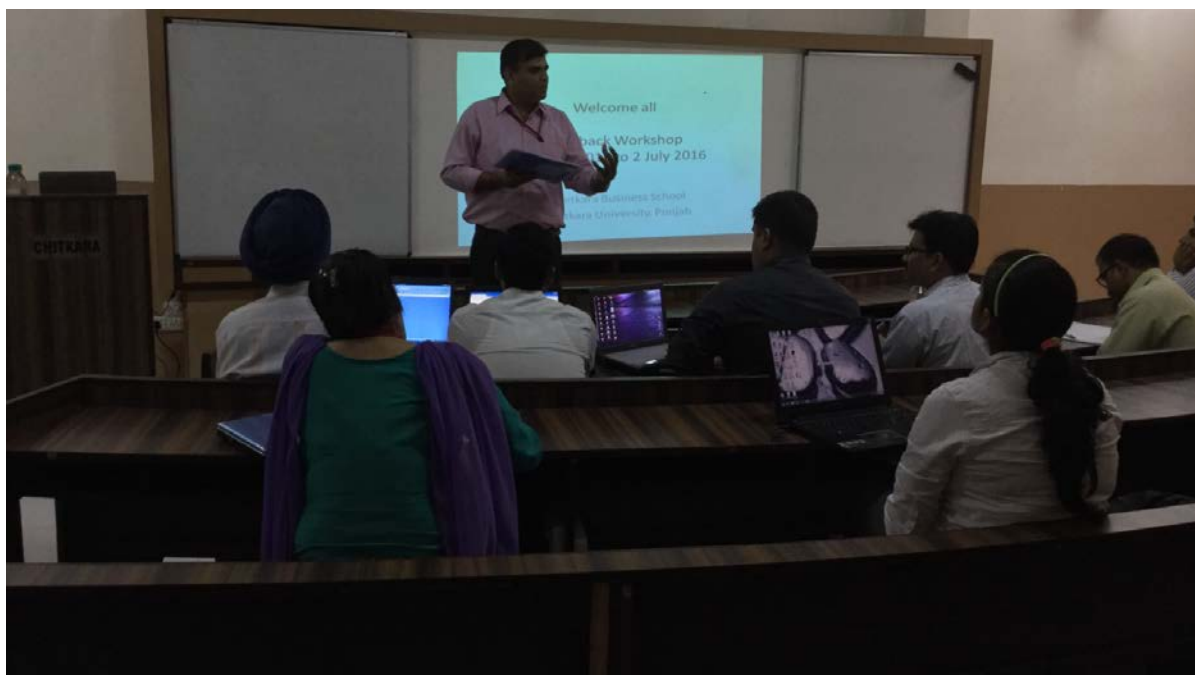
**Convener of the workshop:** Dr. Sandhir Sharma, Dean, Chitkara Business School

**Number of participants=** 18

During workshop several examples were provided on course design, activities, and best practices. The workshop also included sharing of ideas on routines and activities that improve and increase teacher presence. The participants were looked at multimodal ways of being present and communicate content, instructions, and assignments to students. Furthermore, the workshop highlighted course activities and assignments that enhance, and result in, increased interaction between students online. Different tools for giving audio, video, and written feedback were presented and discussions were done on how these differ and what benefits each form of feedback has to offer.

Learning outcomes of the workshop

- To acquire new ideas on how to increase student-to-student interaction and be given tools and examples on how to give feedback in various and effective ways.
- Different forms and methods of designing feedback structures.
- Implementation of feedback forms.
- Analysis of feedbacks collected.
- Preparing Action Taken Reports and embedding feedback contents for improvement in curriculum.



*Workshop on Designing and Analyzing Feedback from Students, Parents, Industry and Alumni*