A chronicle of RISE
(Research, Innovation, Skill and Entrepreneurship)

An OPFLC initiative
Session 2014-15

In line with Chitkara University's vision to promote research, innovation and entrepreneurship, several workshop, seminars and hackathons were organised in the areas related to skill enhancement, skill development, awareness on innovation and entrepreneurship, by OPFLC (Office of Patent Facilitation, Licensing and Consultancy). Approximately 1500 students and faculty members participated in these events and workshops. Wherever required, elements of research were also introduced. OPFLC utilised the expertise of in house faculty and also invited outside experts for the same. A comprehensive summary of various initiatives is as hereunder:

Name of the Event/Workshop	Related to	Dates	Number of Participants	Resource Person (s)	Page no.
Seminar on Photography technique and skills	Skill Development	29-04-2014	73	Sandeep Sahdev	1
Faculty Development Workshop on C Programming Language	Skill Development	22-08-2014 to 23-08-2014	24	Dr. C.P. Ravikumar	2
Workshop on Self Management Skills	Skill Development	29-09-2014	19	Pankaj Sharma	3
Workshop on Career Progression in the hospitality Industry	Skill Development	12-12-2014	80	Gaurav Pandey	4
Workshop on Role of housekeeping in Hospitality Operations	Skill Development	19-12-2014	40	Meenakshi Gupta	6
Training Programme for Housekeeping	Skill Development	20-12-2014 to 30-12-2014	2	Shangrila	7
Training Programme on Food & Beverage Services	Skill Development	20-12-2014 to 30-12-2014	2	Nikhil Datta	9
Workshop on Creativity in Teaching and Research	Skill Development	22-12-2014 to 27-12-2014	5	Dr. Sandhir Sharma	11
Training Programme on Food Production	Skill Development	25-12-2014 to 30-12-2014	2	Chef Hari Nayak	13
Workshop on Patent, Copyright Drafting and Filing and Design Registration	IPR	16-01-2015	40	Dr. B S Sooch, Divya Kaushik, Dr. Parikshit Bansal	15
Workshop on Patent, Copyright Drafting and Filing and Design	IPR	16-01-2015	100	Dr Parikshit Bansal, Dr. Manu Choudhary, Dr. Kompal Bansal, Dr. D.P. Pathak, Prafull Mathur	16
Workshop on Bar Operations	Skill Development	16-01-2015	50	Jasleen Kaur	18

Name of the Event/Workshop	Related to	Dates	Number of Participants	Resource Person (s)	Page no.
Workshop on Menu Engineering	Skill Development	21-01-2015	60	Sumit Gunturkar	20
Seminar on writing skills	Skill Development	21-01-2015	85	Parvesh Chandel	22
Workshop on Time Share and Vacation Ownership	Skill Development	29-01-2015	70	Rajasvi Madan	23
Workshop on Education Leadership	Skill Development	30-01-2015	90	Emmajane Milton	24
Workshop on Culinary Art Demonstration	Skill Development	21-02-2015	80	Chef Anthony Boyd	25
Workshop on Software Project Development	Skill Development	25-02-2015	25	Deepika Chaudhary, Jaswinder Singh	27
Workshop on Inside Computer Networks	Skill Development	10-03-2015	72	Naveen Kumar, Rajesh Kaushal	28
Hands-on Workshop on Embedded Systems Design using MSP430 Puppy+	Skill Development	20-03-2015 to 21-03-2015	11	Saralp Aggarwal, Ritika Malik	29
Hands-on Workshop on ARM based Embedded Processing using Stellaris Guru	Skill Development	20-03-2015 to 21-03-2015	15	Nikhilesh P., Ishan Pardesi	31
Hands-on Workshop on Analog System Design in Embedded System	Skill Development	20-03-2015 to 21-03-2015	10	Sagar Juneja	33
Hands-on Workshop on VLSI Design using Cadence Tools Suite	Skill Development	20-03-2015 to 21-03-2015	12	Vishal Mehta	35
Hands-On Workshop on Arduino & Intel Galileo	Skill Development	20-03-2015 to 21-03-2015	18	Gurjinder Singh, Vernica Gupta	37
Innovative talk on Research from Concept to Dissemination	Research Methodology	21-03-2015	22	Deepika Chaudhary, Dr. Jaiteg Singh	39
Seminar on Media oriented terrorism	Skill Development	23-03-2015	50	Ms. Berdien Schepers	41
Ethical Hacking Workshop	Skill Development	13-04-2015 to 14-04-2015	75	Bhanu Pratap	43
Training Programme on Tourism & Hospitality	Skill Development	24-04-2015 to 25-04-2015	50	Subhash Choudhary	45
NABH Training Certification Workshop	Skill Development	01-05-2015 to 03-05-2015	35	Dr. Viney Kumar Kapoor, Gp. Capt. (Dr.) Arvind Jha	47

Name of the Event/Workshop	Related to	Dates	Number of Participants	Resource Person (s)	Page no.
National Case Writing Workshop	Research Methodology	04-05-2015 to 11-05-2015	32	Dr. Namarata Sandhu	48
Workshop on Different Herbs & Spices and their uses in hotels	Skill Development	08-05-2015	90	Rahul wali	50
Workshop on core java	Skill Development	11-06-2015 to 17-06-2015	23	Nishu Bali, Arzoo Dhiman	52
Workshop on robotics using arduino	Skill Development	08-09-2015 to 09-09-2015	22	Amit Kumar	53
EVRESITECHNIA - Patent your idea in 10 days	IPR	03-03-2016	50	Dr. Parikshit Bansal, Kompal Bansal	55

Seminar on Photography Technique and Skills

Date: 29th August 2014

About Speaker: Mr. Sandeep Sahdev is a renowned photographer of India today, conducted this in which students were introduced with basic photographing skills.

Chitkara School of Mass Communication organized a Photography Workshop. He emphasized on various aspects of camera handling, composition, lighting, on the right use of shutter speed, ISO, aperture so that a good photograph may be obtained. Giving examples of his own work he told the students to read the photograph first and then experiment with different conditions and locations to learn the art. He showed some of his best works and explained the simple tactics behind it. He said that photo journalism and creative photography is attracting young people and through practice and right guidance, one can excel in this profession.

Mr. Sandeep Sahdev said one could bring something extraordinary out of the ordinary and the magic was not in the button of the camera but in the brain of the photographer. Students showed full enthusiasm and raised questions at the end of the session to clear their doubts.

Faculty and Students attending the session of Mr. Sandeep Sahdev

Event: **Faculty Development Workshop on C Programming Language**
Date: **22 August 2014 to 23 August 2014**
Time: **0930 hrs. to 1230 hrs.**
Organising Club**:** **Department of Computer Applications**
Resource Persons: **C.P. Ravikumar from University of Southern California, Shubhada Kanekal from BITS Pilani**

This workshop is intended for faculty members who teach C Programming and/or Data Structures at undergraduate level. The participants are expected to have a working knowledge of C programming. The learning objectives in this program are: Motivation for learning C programming; Problem solving with C; Debugging Techniques; Performance Monitoring; Documentation Industrial Practices; Modelling; and Optimization.

The aim is to select interesting exercises to illustrate industrial practices throughout the training. The training will include lectures, demonstrations and hands-on content. Linux platform will be used to conduct the program. It is advisable that the participants have an exposure to using any one Unix Shell.

Instructor Profiles - **C.P. Ravikumar** has a Ph.D. in Computer Engineering from University of Southern California and an M.E. degree in Computer Science from Indian Institute of Science. He has taught at IIT Delhi (1991-2001) and is presently with Texas Instruments (2001-current) where his current role is to direct Technical talent development activities in TI, India. **Shubhada Kanekal** has an MS degree from BITS Pilani and an MCA degree from NIT, Surathkal. She has industrial experience over 10 years in the domain of databases, networks, and systems programming. She has conducted trainings in the areas of Embedded Systems and Real-time Systems.

Faculty Development Workshop on C Programming Language

Workshop on Self Management Skills

Resource Person: Ms. Nandita Pandey, Turning Point
Date: 29-09-2014

Ms. Nandita Pandey has initiated the session in a very interesting manner by involving students straightaway pushing them to apply their mind and skills in the puzzle thrown to them. Further, students were elaborated with self-management skills include self-confidence, persistence, resilience, patience, perceptiveness, and emotional regulation. The trainer has tried to give skills each allow you to strive for your goals, perform at work, and contribute to a healthy work environment for yourself and your co-workers.

So, to master the skills which are required for self management, the qualities that are essential for living a good and balanced life were covered comprehensively by placing some real life examples and exposing students with some problems in which they were supposed to provide solution in the simulated business environment. Trainer was having a clear objectives in his mind to train, impart knowledge and skills required and made students to learn how to think out of box- innovative methods so that they can their capabilities and strengths.

Ms. Nandita mentoring students for Self management skills

Workshop on Career Progression in the hospitality Industry

Chitkara College of Hotel Management and Catering organized a workshop on "Career Progression in the Hospitality Industry" on 12-12-2014. **Mr. Gaurav Pandey, Sarovar Hotel Training Manager, Northern Region**, took this session for fourth and sixth semester H&HA students.

The lecture started with a brief introduction of Sarovar Hotel and moved on to an interactive power point presentation. Mr. Pandey advised the students to make a logical decision about which hotel brand to join and what parameters should one see before selecting a hotel company.

He encouraged the students to inculcate and develop good habits like reading books. He emphasized on the need to remain focused and stay connected with one's goals and work persistently toward achieving them. Around 80 students attended the session. Complex concepts like passion, ambition, hard work and love for what one does were made simpler to understand through interesting videos and examples from daily life.

The lecture ended with a brief question answer session. The students had a very good interaction with the speaker.

Mr. Pandey with the students of CCHMC ON 12-12-2014

Students while attending workshop with Mr. Pandey

Workshop on Role of Housekeeping in Hospitality Operations

Chitkara College of Hotel Management and Catering organized a workshop on "Role of housekeeping in Hospitality operations" on 19-12-2014. **Ms. Meenakshi Gupta, Executive Housekeeper, Hotel Park Plaza**, delivered the informative lecture to the students of CCHMC which was very helpful for the students. She shared her experience on Housekeeping and Hotel Industry.

During the session, the students get to know about various things related to the housekeeping department in the hotels. Around 40 students participated in the workshop.

Ms. Meenakshi Gupta conducting workshop on "Housekeeping department"

Training Programme for Housekeeping

Chitkara College of hotel management and catering organized a training programme for the Housekeeping department by **Ms. Shangrila, Head of Housekeeping department, Park Plaza Hotel, Chandigarh** where they learnt about the core field from the industry perspective. It was held between 20-12-2014 to 30-12-2014 which proved to be very fruitful and informative for the faculty.

Moreover, the session helped in solving various queries. Hence, such skillful training programmes are important to have better clarity of the field.

Training programme by Ms. Shangrilaon Housekeeping (20-12-2014 to 30-12-2014)

Training programme on Housekeeping (20-12-2014 to 30-12-2014)

Training Program on Food & Beverage Services

Chitkara College of Hotel Management and Catering organized a training programme on "Food & Beverage Services" for their faculties from 20-12-2014 to 30-12-2014, in order to upgrade latest trends in hospitality sector.

Mr. Nikhil Datta, Training Manager – Park Plaza Chandigarh gave training on Food & Beverage services. Mr. Nikhil has 2 0 years of experience in hotel industry.

Though our faculties are from industry but training gives additional knowledge to individual to understand and upgrade his skills. Two faculties from CCHMC were attended this programme.

Mr. Nikhil Datta conducting training session on "Food and beverage services"

Participation of faculties in training session with Mr Nikhil Datta

REPORT ON

Workshop on Creativity in Teaching and Research

A six day **Workshop on Creativity in Teaching and Research** was organized by Chitkara Business School, Chitkara University, Punjab from 22 December 2014 to 27 December 2014. The workshop was designed to focus on the practical issues faced by a university during his/her career. Two major focus areas for an academic organization as well as faculty are effective academic delivery and contribution through intellectual capital generation. The workshop took teaching across many forms to be effective. The intent of the workshop was to deliberate over various methods of teaching to retain efficiency effectiveness and be learner- centric.

Experienced faculty members from Chitkara Business School, Chitkara University, Punjab shared their expertise. Dr. Sandhir Sharma, dean, Chitkara Business School, is a Ph.D in Strategic Management with nearly 20 years of experience in higher education and 5 years in Telecom industry. With more than 43 research papers to his credit published in various journals and conferences at national and international level, Dr. Sharma has developed his core expertise in the area of Strategy formulation. He hold a vast experience in the field of business management all across streams of commerce and management.

Dr. K K Sharma, professor, Chitkara Business School, Chitkara University, is an expert in the area of higher education, teaching HR, business environment, macro economics and business strategy to management courses. With 24 years of working in peacekeeping, humanitarian emergency response, higher education, human rights and corporate training fields, Dr. Sharma added a lot of value to the workshop.

The workshop had five experts as participants. Dr. Madhu Chitkara, Chitkara University, extended warm thanks to the participants.

A glimpse of the workshop

Training Programme on Food Production

Chitkara College of Hotel Management and Catering organized a training programme on "Food Production" for their faculties from 25-12-2014 to 30-12-2014, in order to upgrade latest trends and new technical cooking skills in hospitality sector. Two chefs were participated in training programme.

Chef Hari Nayak gave training on cooking skills, He is an Indian cook, restaurateur, creator and an Indian among top 10 chefs in India. He is also a culinary teacher. He is the author of "Present day Indian Cooking".

The aim of organizing this training program is to equip faculty members of CCHMC with contemporary industry, teaching and culinary skills that help to chefs while imparting skills to students.

Faculties while attending training programme

Chef Hari Nayak with faculties of CCHMC

REPORT ON
WORKSHOP ON, ' PATENT, COPYRIGHT DRAFTING & FILING AND DESIGN REGISTRATION' JANUARY 16, 2015

Chitkara College of Pharmacy, Chitkara University Punjab organized a one day Workshop on "Patent, Copyright Drafting and Filing and Design Registration" for faculty members/Ph.D. scholars from Chitkara University, Punjab. Eminent speakers for the workshop were Dr. B S Sooch, Associate Professor, Department of Biotechnology, Punjab University, Patiala, Mrs. Divya Kaushik, Scientist, PSCST, Chandigarh and Dr. Parikshit Bansal, Corporate Consultants, Chandigarh were invited as the resource persons.

The Speakers sensitized the audience on various IPR issues and procedures for registration of patents, copyrights and designs were also discussed in length.

Dr. Sandeep Arora, Director, Chitkara College of Pharmacy welcomed the guests and highlighted the role of IPR issues in the pharmaceutical industry.

Total 40 participants were present during the workshop.

Students and Faculty members during the Tea Break

National Workshop on Patent, Copyright Drafting and Filing and Design

A National Industry Oriented Hands on certification Workshop On "Patent, Copyright Drafting and Filing and Design" was organized by Chitkara College of Pharmacy, Chitkara University, Punjab on 16th January, 2015

Objectives:

- To familiarize the participants with fundamentals of Patent and Copyright search, novelty and Innovation validation
- To focus on the methods for patent and Copyright Drafting.
- To provide a brief exposure to legal language in citing claims for the innovation.
- To detail the process of patent filing and design.

Outcomes:

A total of 175 delegates from different institutes, and universities attended this workshop. Eminent speakers from academia and industry who marked their presence and conducted various sessions in this workshop include Dr Parikshit Bansal, Corporate Consultants, Mohali; Dr. Manu Choudhary, MD, Venus Remedies Ltd, Panchkula, India; Dr. Kompal Bansal, Corporate Consultants, Mohali; Dr. Prafull Mathur, Head R & D (Synthetic & ADL) at Aanjaneya Lifecare Limited, India; Dr. D.P. Pathak, Professor, Department of Pharmaceutical Chemistry, Delhi Institute of Pharmaceutical Sciences & Research (DIPSAR), New Delhi; Dr. Om Silakari, Assistant Professor, Department of Pharmaceutical Sciences & Drug Research, Punjabi University, Patiala, Punjab; Dr. Suresh Thakur, Associate Professor, Department of Pharmaceutical Sciences & Drug Research, Punjabi University, Patiala; and Mr. Amitkaushal, Plant head,Akums Drugs & Pharmaceuticals Ltd.*Haridwar*. Following topics were covered by the invited experts:

- Patent Search methods
- Patent Search report compilation
- Innovation and novelty proof
- Patent Drafting
- Patent filing

Dr. Parikshit Bansal is the Head of Corporate Consultants, Mohali which has been rechrishtened as 'Bansal IP Associates (BIPASS)' in 2018. He has filed more than 30 patents for his various inventions, several of which are granted and commercialized, including 'Small

wonderlyzer' a dialysis device (granted Indian and U.S. Patents). He has authored two books on IP– 'IPR Handbook for Pharma Students and Researchers' and 'Fundamentals of IP for Engineers', both of which are national bestsellers and recommended text- books. The company has filed numerous patents viz. Chitkara University were ranked in top-5 filers of patents amongst academia /research organizations by the Patent Office, India. He made the audience aware about the laws governing Indian patents.

Mr. AmitKaushal, Plant head, Akums Drugs & Pharmaceuticals Ltd. Haridwar. Being an alumnus of Chitkara University, MrAmit made the audience aware about the applications of Pharmaceutical Technology. As he is over viewing all operation activities, of three units of β-lactum, Cephalosporins and Injectable, he had an interactive session on this topic.

Workshop was concluded with honoring all the speakers with mementoes by Dr. Sandeep Arora, Director CCP. All the attendees were felicitated with certificates. At the end, Dr. Gurjeet Singh Thakur, Organizing Secretary, proposed vote of thanks and extended thanks to committee members for their sincere efforts for successful completion of the event. The workshop was considered a success as the participants were overwhelmed by the positive response and enthusiasm.

Facilitation to the Guest by Dr. SandeepArora, Chitkara College of Pharmacy, Chitkara University, Punjab

Workshop on Bar Operations

Chitkara College of hotel management and catering organized Guest Lecture **by Ms. Jasleen Kaur, F&B Executive - Park Plaza, Chandigarh**on "BAR OPERATIONS" to the students of 4th & 6th Sem HA. She shared with the students very practical aspects of operating the bar in an interactive session. She gave a brief to the students about the various beverages; the equipment's used in the bar and covered other important topics such as bar control. She also instructed the students regarding preparation for the campus placements and acquainted them with the bright career prospects in the Hospitality industry

The concept of the session was to give the students the basic practical knowledge of the wines along bar operations to the students. It was very qualitative and informative workshop, which was appreciated by all the students. 50 Students participated in the workshop.

Ms. Jasleen interacting with the students of Hospitality

Ms. Jasleen kaur conducting workshop on "Bar operations

Workshop on Menu Engineering

Chitkara College of Hotel management and Catering organized a workshop on menu engineering for CCHMC students. **Mr. Sumit Gunturkar, Restaurant Manager at JW Marriott delivered a guest lecture to fourth and sixth semester B.Sc HA students at CCHMC on January 21, 2015, on the topic "Menu Engineering".** He shared various aspects of menu planning and how hotels and restaurants create menus that suit all market segments of people visiting different food and beverage outlets in the hotel. His presentation also covered the cost implication involved in menu development and how it can be reduced as cost reduction in an important aspect of good menu planning. The lecture was very interactive and good learning experience in which around 60 students participated.

Mr. Sumit Gunturkar interacting with students of CCHMC

Students attended session very conscientious

Seminar on writing skills

Date: 21ˢᵗ January 2015

About Speaker: Parvesh Chandel is an author of unveiling novel, Stir My Heart, Still My Soul, he took his first stride into the world of the narrative. He holds Masters in Mass Communication and Journalism from Panjab University, Chandigarh and he was ardently active in politics all through his University days. He was designated as the President of Akhil Bhartiya Vidyarathi Parishad. Being a writer was his dream. He did what he believed, excelled or not, a veiled hidden story about to be unveiled.

Mr. Chandel discussed with students about the nuances of writing and always listening to your hear for pursuing a career. Thinking beyond a particular genre, he penned down about something or anything, which evokes him less as an individual and more as a human. He started his career in advertising and then left it to pursue his passion for writing. A self-proclaimed eccentric, he loves to play cricket. He is voracious, witty and loves life.

Parvesh Chandel during is session on Writing Skills

Workshop on Time Share and Vacation

Chitkara College of Hotel management and Catering organized a workshop on Time share and Vacation. It was time for hospitality students to take a sneak peek into the concept of vacation ownership. **Manager, Training & Development, Club Mahindra, Mr. Rajasvi Madan, delivered a guest lecture to fourth and sixth semester students of CCHMC on January 29, 2015. The topic of the expert talk was 'Time Share and Vacation Ownership'.** The lecture started with a brief introduction about Mr. Madan followed by a power point presentation and some educational videos about the concept of vacation ownership. Mr. Madan elaborated on the forms of vacation ownership and discussed as to how time share was unique and different from conventional down- town business hotels. It was interactive lecture and had an in-depth insight on the topic of vacation ownership in which 70 CCHMC students participated.

Students attending the session of Mr. Rajasvi Madan

Workshop on Education Leadership
30th January, 2015

Chitkara College of Hotel management and catering conducted workshop on education leadership by the mentors from CARDIFF UNIVERSITY, UK namely **Ms. Emmajane Milton (worked in Education for 18 years), Ms. Melanie Squire(Senior Lecturer - Cardiff University and Executive Coach) and Ms. Kirsty Mcqueen(Senior Lecturer - Cardiff University).** They enriched the workshop by speaking on "TEACHING MAKES A DIFFERENCE" (Professional Development and Mentoring in Educational Contexts. The workshop was attended and well received by education leaders from the region. 90 faculties participated in the workshop.

Ms.Emmajane Milton, Ms.Melanie and Ms.Kirsty Mcqueeninteracting with the audience

Workshop on Culinary Art Demonstration
21st February, 2015

Chitkara College of Hotel management and catering organized a workshop on "Culinary Art Demonstrations" **by Master Chef Anthony Boyd, he moved to The Glasshouse in Richmond as Head Chef where he managed a brigade of ten chefs.** The restaurant earned its first Michelin star with Chef Anthony in command of the kitchen. After 11 successful years, Chef Anthony moved to the Michelin starred La Trompette in 2010, with control over a kitchen brigade of 14 chefs. He joined Le Cordon Bleu London's Cuisine team in 2013. 80 students participated in the workshop.

Chef Anthony addressed the budding chefs of CCHMC, along with industry professionals and Chef Trainers from reputed five star hotels and hospitality institutions of Chandigarh. In his session of Culinary Art Demonstrations, Chef Anthony prepared a continental lamb dish for the session attendees. He also shared and talked about the modern trends in continental cooking. His session has added continental flavor to the learning experience of our young chefs.

Chef Anthony Boyd from Le Cordon Bleu, London with the faculty of CCHMC

Welcome of Chef Anthony Boyd by Director CCHMC, Mr. C.M Bhan

Event:	**Workshop on Software Project Development**
Date:	**25 February 2015**
Time:	**0900 hrs. to 1500 hrs.**
Venue:	**Faraday Hall, Edison Block**
Organising Club**:**	**Department of Computer Applications**
Resource Persons:	**Ms. Deepika Chaudhary, Associate Professor**
	Mr. Jaswinder Singh, Assistant Professor

Department of Computer Applications, CUIET, CU Punjab took an initiative of organizing workshops on technical topics for the benefit and knowledge enhancement of the students. The first initiative in this direction was taken by Ms. Deepika Chaudhary, Associate Professor, Department of Computer Applications and Mr. Jaswinder Singh, Assistant Professor, Department of Computer Applications by organizing a hands-on workshop on software project development. The performance of the students was judged by Dr. Jaiteg Singh, Associate Professor, Department of Computer Applications and Mr. Vikram Mangla, Dy. Dean, Department of Computer Applications. The conveners of the workshop were Ms. Deepika Chaudhary, Program In-charge, Computer Application Department and Mr. Jaswinder Singh, Assistant Professor, Computer Applications Department. A group of 84 participants, who were the students of BCA fourth Semester, made it a grand success, as it proved helpful to the participants in terms of learning in depth about software project development.

Organised a workshop on Software Development for BCA Students

Event:	**Workshop on Inside Computer Networks**
Date:	**10 March 2015**
Time:	**0900 hrs. to 1500 hrs.**
Venue:	**Babbage Block, Chitkara University**
Organising Club**:**	**Department of Computer Applications**
Resource Persons:	**Mr. Naveen Kumar, Assistant Professor**
	Mr. Rajesh Kaushal, Associate Professor

Department of Computer Applications, CUIET, CU Punjab, has organized one day workshop titled "**Inside Computer Networks**" on 10th March 2015 at Babbage Block. This workshop aims to provide practical aspect of computer networks to BCA students using CISCO simulator. More than 70 students participated in the workshop along with faculty. **Mr. Naveen Kumar, Assistant Professor, Department of Computer Applications** and **Mr. Rajesh Kaushal, Associate Professor, Department of Computer Applications were Resource Person**. Students had actively participated in the workshop and designed network topologies using packet tracer.

Handling queries of BCA students about CISCO simulator

Hands-on Workshop on Embedded Systems using MSP430 Puppy
20-21 March, 2015

Resource Person: Saralp Aggarwal and Ritika Malik

(TI Center of Embedded Systems, Netaji Subhas Institute of Technology, New Delhi)

Areas of Excellence: Embedded Systems and IoT Applications Development **Organized By:** Department of Electronics and Communication Engineering **Number of Participants: 11**

Description of the event: Department of Electronics and Communication has organized a two days conference for the faculty members and students. Under the Conference, five workshops were offered by the department. The workshop registration is free for the students. Out of various departments, 11 faculty members registered for the workshop. The main focus of the workshop to enlighten the audience about the various features of MSP430 using MSP430 Puppy Kit.

Workshop on Embedded Systems Design using MSP430 Puppy

Group Photograph

Hands-on Workshop on
ARM based Embedded Processing using Stellaris Guru

Date: 20-21 March, 2015

Resource Person: Nikhilesh P. and Ishan Pardesi

(TI Center of Embedded Systems, NSIT, New Delhi)

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

Department of Electronics and Communication Engineering

Number of Participants: 15

Description of the Event: Department of Electronics and Communication has organized a two days conference for the faculty members and students. Under the Conference, five workshops were offered by the department. The workshop registration is free for the students. Out of various departments, 15 faculty members registered for the workshop. The main focus of the workshop to provide the knowledge about the ARM based embedded processing using Stellaris Guru. Stellaris Guru is based on LM3S608 microcontroller family from the TI Stellaris600 series. This kit has user programmable, push buttons and ultra-bright LEDs, both unicolor and RGB including Reset pushbutton and power indicator LED. This kit has inbuilt standard ARM 20-pin JTAG debug connector, Arduino compatible interfaceconnector,UART0 accessible through a USB virtual COM port (VCP),programmable through UART using preinstalled boot loader and USB interface for all communication and power.

Workshop on ARM based Embedded Processing using Stellaris Guru

Participants Attending the Workshop

Hands on Workshop on
Analog System Design in Embedded System

Date: 20-21 March, 2015

Resource Person: Mr. Sagar Juneja , Design Engineer

Areas of Excellence: Semiconductor Devices, Embedded Systems and IoT Applications Development

Organized By: Department of Electronics and Communication Engineering

Number of Participants: 10

Description of the Event: Under WECON conference, one of the workshop offered by department of electronics and communication engineering is on Analog System Design in Embedded System. 10 participants from the department has attended the workshop. The main focus of the workshop is to provide the knowledge of basic components used in embedded system. The session provides the hands-on exposure of Analog System Design to the participants. Participants usedAnalog System Lab Kit (ASLK) from Texas Instruments as a platform to provide hands-on training. They simulated the analog systems using TINA software using macro models of analog ICs and then verify the designed circuit through bread board.

Hans-on Session during the Workshop

Workshop on Analog System Design in Embedded System

Hands-On Workshop on
VLSI Design using Cadence Tools Suite

Date: 20-21 March, 2015

Resource Persons: Mr. Vishal Mehta, Design Engineer

Assistant: Ms.Kavita Goswami and Ms.Jasmeen Kaur, Research Assistant, Chitkara University, Punjab

Areas of Excellence: VLSI Design

Organized By: Department of Electronics and Communication Engineering

Number of Participants: 12

Description of the Event: Department of Electronics and Communication Engineering has offered hand-on session on VLSI design using Cadence Tools Suite. 12 participants has participated and taken a benefit from the workshop. The workshop provides hands-on experience on the state-of-the-art Cadence EDA tools for VLSI Design. The participants had an exposure to the Circuit Design, Simulation, Layout, Physical Verification (DRC, LVS) and Extraction. The workshop included practice sessions on the Cadence design and simulation tools (Encounter, RTL Compiler, Virtuoso, Spectre, Assura and Incisive).

Workshop on VLSI Design using Cadence Tools Suite

Hand-on Session during the Workshop

Hands-On Workshop on Arduino & Intel Galileo

Date: 20-21 March, 2015

Resource Persons: Mr. Gurjinder Singh, Assistant Professor, Chitkara University)
Ms. Vernica Gupta, Research Assistant, Chitkara University, Punjab

Areas of Excellence: IoT and Embedded Systems

Organized By: Department of Electronics and Communication Engineering

Number of Participants: 18

Description of the Event: Department of Electronics and Communication Engineering has offered hand-on session on Arduino and Intel Galileo. The workshop was focused on getting up and running with Arduino and Intel Galileo quickly, so the faculty was able to understand the basic procedures for working with Arduino. The workshop was purely hands on approach and aimed to getting familiarity-of-use with commonly used components in robotics projects.

Hands-On Workshop on Arduino and Intel Galileo

Hands-On Practice Session

Innovative Talk on Research from Concept to Dissemination

Date:	**21st March 2015**
Time:	**0900 hrs. to 1500 hrs.**
Venue:	**Faraday Hall, Edison Block**
Organising club**:**	**CURIN**
Faculty Coordinator:	**Ms. Deepika Chaudhary, Associate Professor**
	Dr. Jaiteg Singh, Associate Professor

In order to encourage research and development among faculty members, Computer Applications Department has formed a technical club which provides a platform for teachers for giving any type of technical input in the form of seminars and workshops. The Paper club is look after by **Ms. Deepika Chaudhary**, Associate Professor, and **Dr. Jaiteg Singh**, Associate Professor, Department of Computer Applications, CUIET, CU Punjab. Recently, paper club organized an Innovative talk on the topic of "Research from Concept to Dissemination" by Dr. S N Panda, Director, Research, CURIN and Dr. Jaiteg Singh on 21st March 2015.

Innovative Talk on Research from Concept to Dissemination by Dr. Jaiteg Singh

Listening to the speaker

Seminar on Media oriented terrorism by Prof. Berdien Schepers

Date: 23 March 2015

About Speaker: **Ms. Berdien Schepers from from IHECS, Belgium** talked on `The Emergence of Media-oriented Terrorism'. She gave an overview of the topic with special reference to Europe and how the two have affected the current worldwide scenario

Ms. Schepers with articulate demonstration presented her opinion on how terrorism and the other gruesome activities compel media to frame their news and how they cannot ignore it as sometimes in the name of news value though it causes panic to common men. She said that some remarkable terrorist attacks in history indicate is by and large the case that the architects of terrorism exploit the media for the benefit of their operational efficiency, information gathering, recruitment, fund raising, and propaganda campaign . Terrorism has many aspects that make it a very attractive subject for the media as it has the elements of drama, danger, blood, human tragedy, miracle stories, heroes, shocking footage and action too.

She also discussed about the regulations of Censorship in media world and drew wide comparison on the European and Indian basis of implementing censorship. Students were also asked to share their opinion on freedom of speech and expression and various visual presentations applied by electronic media. The session brought out many issues and views which enlightened the students.

Ms. Berdien Schepers in a group photograph with students after interaction

Ms. Berdien Schepers while sharing her experience with the students

Event:	**Ethical Hacking Workshop**
Date:	**13 April 2015 to 14 April 2015**
Time:	**0930 hrs. to 1630 hrs.**
Venue:	**Faraday Hall, Edison Block**
Organising Club**:**	**CSI Student Chapter, Department of Computer Applications**
Resource Person:	**Mr. Bhanu Pratap**

A two-day national-level Ethical Hacking Workshop was organized by Department of Computer Applications, CUIET, CU Punjab in association with AIESEC-IIT Delhi and CSI Student Chapter, Chitkara University. Mr. Bhanu Pratap from Tech Bharat Consultants, Delhi, was the Resource person who is a well-known 'Ethical Hacker'. Some useful tips were taught to the students, which can ethically help students to explore their potential. In the two days' workshop, Google Hacking, Email Hacking, Dos Attacks, Trojans, SQL Injection, Windows Hacking, Mobile Hacking etc. topics were covered. This workshop aims to give technocrats basic knowledge of hacking and how to protect their system against hazardous effects. Ethical hacking is an important tool in many national security agencies and even companies. An Ethical Hacker is usually employed with the organization and can be trusted to undertake an attempt to penetrate networks and/or computer systems using the same methods as a Hacker. The goal of the ethical hacker is to help the organization take pre- emptive measures against malicious attacks by attacking the system himself; all the while staying within legal limits, this is what the workshop stressed upon.

The participants would be given participation certificates and the winners of the championship would be awarded cash prizes worth Rs 1,00,000. About 75 certificates were given to the participants and all the students enjoyed the workshop with the positive frame of mind.

Honorarium to Resource Person

Certificate Distribution to the student

Training Programme on Tourism & Hospitality
(24-04-2015 to 25-04-2015)

Chitkara College of hotel management and catering organized a training programme on tourism and hospitality to inculcate industry skills among them by **Mr. Subhash Choudhary, Front office manager, Holiday Inn Chandigarh.**

During the programme the students were taught regarding the recent changes in the tourism industry and the opportunities available with the future of tourism and hospitality industry. It was resulted as an important and interactive session in which 50 participants participated.

Training programme conducted by Mr. Subhash Choudhary

Students participating in the training programme of tourism and hospitality

REPORT ON
NABH Training Certification Workshop

Chitkara Business School organized **NABH Training Certification Workshop** conducted by Quality Council of India (QCI) to train the students about the guidelines of Quality Management for Hospitals and Healthcare Providers in India. This training program was conducted for MBA Healthcare 2014-16 Batch students on 01st May to 03rd May, 2015. Total 35 students participated in training program given by Dr. Viney Kumar Kapoor and Gp. Capt. (Dr.) Arvind Jha.

Dr. Viney Kapoor is a Principal Investigator –FHIT gene in Gall Bladder Cancer, e-Cadherin gene in Gall Bladder Cancer (Dept. of Biotechnology, Govt. of India). He has been co-investigator in international research project on molecular oncology of biliary cancers (University of Tsukuba, Japan). Site Principal Investigator - international multi-centre drug trials (Astra Zeneca, Fujisawa, Pfizer, Sanofi-Aventis, Tranzyme, Wyeth). Capt. (Dr.) Arvind Jha is developing and propagating Quality Systems, Policies and Procedures for Health Care Organizations and Providers. He is NABH Medical Strategic Consultation including Development of Business Plans, strategy and marketing.

Observing the positive response and enthusiasm of students, Dr. Madhu Chitkara, Vice Chancellor, Chitkara University, Punjab promised to organize a similar event in the coming year. She also congratulated the resources persons and participants for the successful completion of the workshop.

Three Day Workshop on NABH Training Certification Workshop

REPORT ON

Faculty Workshop on Case Based Teaching Methods (National Case Writing)

(4th May 2015 – 11th May 2015)

Chitkara Business School has sponsored a number of seminars and workshop in the past with an aim to upgrade and update faculty excellence. The classroom has progressively moved from being lecture based to one that is more student-centered and participant oriented. Internationally, case studies became a preferred form of teaching as students demand an active role in their own learning. Considering the same, Chitkara Business School organized an eight days faculty workshop on Case Based Teaching Methods (National Case Writing) from 4th May 2015 to 11th May 2015. The workshop was intended to deliberate over various methods of teaching to retain efficiency effectiveness and be learner centric. Faculty from the Chitkara Business School, Dr. Namarata Sandhu shared a lot of expertise on the same. Dr Sandhu has sixteen years of experience in research, consulting and teaching graduate management courses, both in India and abroad. She has authored three books and published over 60 research articles in journals of academic repute such as Development Policy Review, Development, Journal of Financial Crime, Global Business Review, Journal of Human Values etc.

The program was attended by 32 participants from academia and industry. Dr. Sandhir Sharma, dean, Chitkara Business School thanked the participants for active participation at the conclusion of the workshop.

Participants during the workshop

Discussions during the sessions

Workshop on Different Herbs & Spices and Their Uses in Hotels

Chitkara College of Hotel management and Catering organized workshop on different herbs and spices and their uses in hotels. **Rahul wali has done diploma in Hotel Management from Pune and graduate diploma in Gastronomy from Adelaid, South Australia. He has worked in multiple hotels in India and abroad. He is presently running his own café by name of Rahul Kitchen, Deharadun**. Indian cuisine is very vibrant and diverse, and the food and culture of people across the states varies from one another and every state has its own uniqueness. The objective of this workshop was to make students study about different types of herbs and spices along with their different uses in the hotel industry. The students also gathered understanding on different herbs used in the food production. The demonstration was done by Chef Rahul Wali along with a very passionate team of 90 students from CCHMC. It was indeed a great learning session for the students and they are all eager to learn more through such workshops.

CCHMC students participated diligently in the workshop

Chef sharing his experience with CCHMC students

Event:	**Workshop on Core Java**
Date:	**11 June 2015 to 17 June 2015**
Time:	**0930 hrs. to 1600 hrs.**
Venue:	**CSMC, Chitkara University**
Organising Club**:**	**Department of Computer Applications**
Resource Person:	**Ms. Nishu Bali, Associate Professor**
	Ms Arzoo Dhiman, Assistant professor

Department of Computer Applications, CUIET, CU Punjab organized a Five days' workshop on "Core Java" from 11th to 17th June 2015. It was hosted by **Ms. Nishu Bali**, Associate Professor and **Ms. Arzoo Dhiman,** Assistant Professor at Chitkara University. Java has become inevitable for the growth and development of new and emerging scenarios of Engineering Sciences. The goal of the workshop was to provide core java knowledge to various streams which included participants from various branches of engineering and mathematics. The topics that were discussed in the workshop included the conceptual knowledge of core java. The participants were also introduced to the ways of creating and working with GUIs in java. A group of 21 participants made the workshop a grand success. This workshop benefited all participants in one or other way.

Students attending CORE JAVA workshop

Workshop on Robotics using Arduino

Date: 8-9 Sept., 2015

Resource Person: Mr. Amit Kumar, Assistant Professor, Chitkara University, Punjab

Areas of Excellence: Embedded Systems and IoT Applications Development

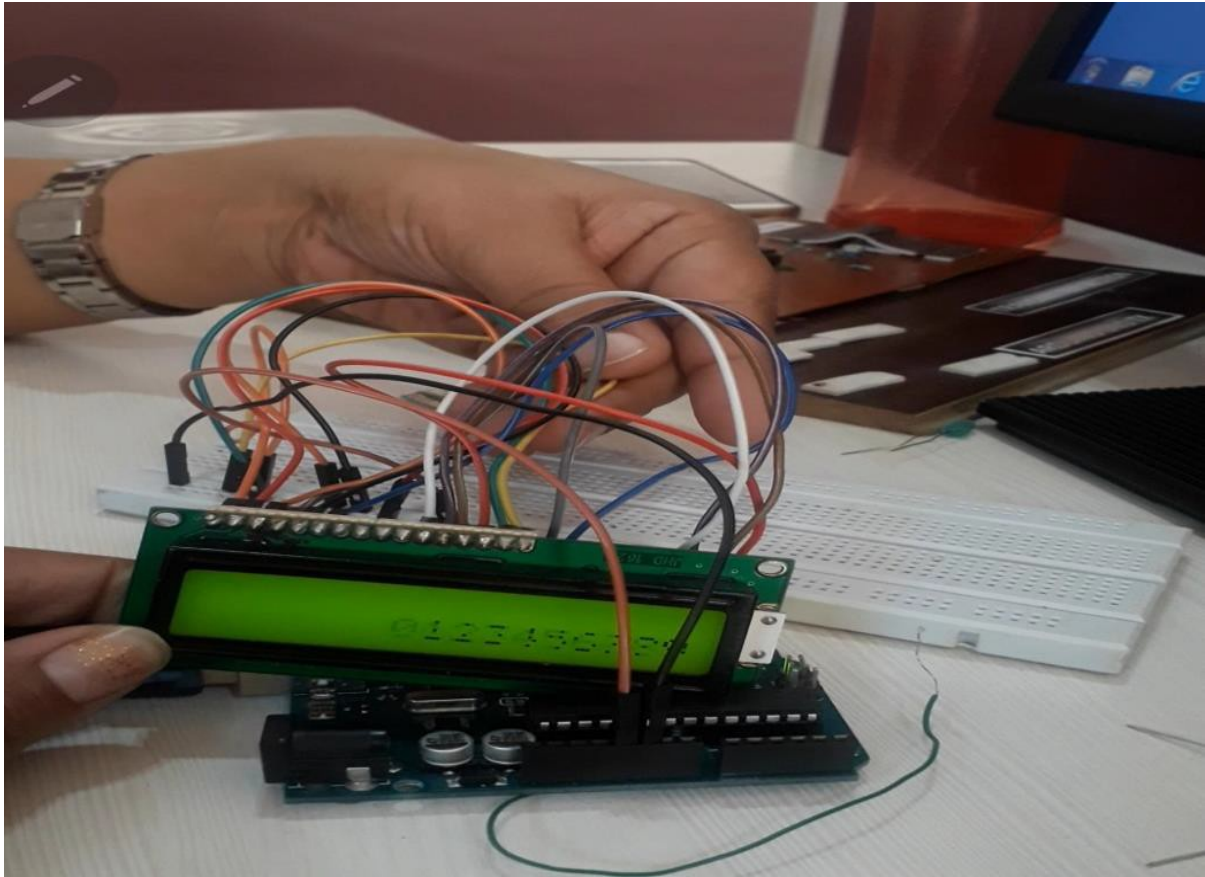**Organized By:** Department of Electronics and Communication Engineering

Facilities / Equipment available in Lab: Arduino Uno, Arduino Mega and sensors

Number of Participants: 22

Description of the event: Department of Electronics and Communication Engineering has organized a two days workshop on Robotics using Arduino. 22 faculty members from the department participated in the workshop. Participants learnt to build a Robotic Arm with 3 degrees of freedom which could be controlled by a smart phone using an Android App. By building this project, faculty learnt about Arduino programming, working of the servo motors which act as actuators and Bluetooth communication.

Workshop on Robotics using Arduino

Project Made by Participants

REPORT ON
Workshop on, 'EVRESITECHNIA - Patent your idea in 10 days'
March 03, 2016

Dr. Sachin Ahuja, Associate Director, Research, CURIN, Chitkara University Punjab organized a one day Workshop on "EVRESITECHNIA - Patent your idea in 10 days". The Speakers for the event were Dr. Parikshit Bansal (Founder, Corporate Consultants) and Mrs. Kompal Bansal (Director, Corporate Consultants) sensitized the audience on various IPR issues and procedures for registration of patents, copyrights and designs. Total 50 participants participated in this workshop and 12 ideas were presented in front of the jury panel.

The novel idea about Energy Efficient Refrigerator by Mr. Jatin Sharma and Mr. Harjot Singh (Students B.E. Mechanical Engineering) and Device for detecting disease in apple leaf by Ms. Swati Singh and Dr. Shefali Gupta (Faculty, Electrical and Electronics Engineering) were shortlisted by the jury panel for filing the provisional patent by the jury comprising of Dr. Parikshit Bansal and Mrs. Kompal Bansal.

Dr. Sachin Ahuja presented the vote of thanks to the Jury members and Participants.

Mrs. Kompal Bansal and Dr. Parikshit Bansal addressing the participa

Student participants presenting their ideas during the workshop