



RISE is for promoting the spirit of research, skill, innovation and entrepreneurship. It is being appreciated and receiving several accolades from the faculty and students. Over the years the activities have risen from just 63 in number to 108 in 2017-18. The University has filed over 108 patents and 259 publications. The need is now to make mark in the skilling initiatives and also boost in entrepreneurial ventures.

OPFLC (Office of Patent Facilitation, Licensing and Consultancy), CEED and Office of Doctoral programs are pleased to present the chronicle of RISE for the year 2017-18. The summary is presented below:

Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
Faculty Development Programme (FDP) Theme: Advances In Pharmaceutical Technology And Drug Developments: Laboratory To Large Scale	Skill Development	150	26-06-2017 to 01-07-2017	Mr. Vinay Chaturvedi Mr. Sunil Singhal Mr. Ravinder Dhokla Mr. Manish Marwaha Sh. Pawan Goel Dr. Parikshit Bansal	1
National Workshop on GST and IFRS	Skill Development	5	03-07-2017 to 08-07-2017	Dr. K K Sharma	3
Technology Innovation and Entrepreneurship course	Skill Development	38	03-07-2017 to 06-07-2017	Mr. Ravinder Shan	5
Workshop on Designing Active Learning Techniques for Implementation in Class Rooms	Skill Development	65	03-07-2017	Dr. Archana Mantri	6
Workshop on Professional Etiquette for Working Executives	Skill Development	47	03-07-2017	Ms. Sovia RJ Singh, Mr. C.M. Bhan, Mr. Amit Vashishth, Mr. Ravi Dandotiya	8
Workshop on Goods and Service Tax & International Financial Reporting Standards	Skill Development	50	03-07-2017	Robin Singh Balwinder Singh Dr. K K Sharma	10
Workshop on Handling Python (For Beginners)	Skill Development	48	04-07-2017 to 05-07-2017	Ms. Navkiran Kaur, Ms. Kanika Garg	12

Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
Workshop on Pre-requisites of Prototyping	Skill Development	6	04-07-2017 to 05-07-2017	Dr. Amandeep S. Oberoi	14
Workshop on Fundamentals of Press Tool Technology	Skill Development	18	04-07-2017 to 05-07-2017	Dr. Kashidas Chattopadhyay	16
Workshop on Modern Trends in Optimization Techniques and Applications	Skill Development	18	04-07-2017 to 05-07-2017	Dr. Vipul Sharma, Dr. Raman Singh, Dr. Raman Goyal	18
Workshop on Understanding Brands through Brain using Neuromarketing and Sentiment Mining	Skill Development	19	04-07-2017 to 05-07-2017	Dr. Jaiteg Singh	20
Workshop on Hardware Implementation of Network Security with Field Programmable Gate Array	Skill Development	13	04-07-2017 to 05-07-2017	Dr. K.R.Ramkumar, Ms. Amanpreet Kaur	22
Workshop on Scientific Computing for Data Analysis and Wireless Sensor Networks	Skill Development	18	04-07-2017 to 05-07-2017	Dr. Sheifali Gupta, Dr. Amandeep Kaur Bhullar, Ms. Mamatha Sandhu	24
Workshop on Image and Video Processing for Drones and Ground Autonomous Vehicles	Skill Development	19	04-07-2017 to 05-07-2017	Dr. Nitin Saluja	26
Seminar on Contributing content for community radio: Subjects and possibilities	Skill Development	50	06-07-2017	Dr. Ashutosh Mishra	27
Workshop on Practicing Basic Fundamentals of Science in Engineering Teaching	Skill Development	39	06-07-2017 to 07-07-2017	Dr. Vijay Jadon, Kashidas	28
Workshop on Engineering Drawing Skills (for Workshop Instructors)	Skill Development	12	06-07-2017 to 07-07-2017	Mr. Raj Kumar Kaushal	30
Workshop on Enhancing Engineering Communication Skill through Drawing	Skill Development	10	06-07-2017 to 07-07-2017	Dr. Kashidas Chattopadhyay	32
Workshop on Mixed Reality Paradigms and Supportive Tools	Skill Development	12	06-07-2017 to 07-07-2017	Amanpreet Kaur, Bhanu Sharma	34

Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
Workshop on Routing Techniques with Practicing Layer 2 and Layer 3 Networking Concepts	Skill Development	40	06-07-2017 to 07-07-2017	Er. Vidhu Baggan, Ravinder Singh, Sunny Singh	35
Workshop on Application Development Using Python, QT Designer and IOT	Skill Development	47	06-07-2017 to 07-07-2017	Mr. Naveen Sharma Mr. Rajesh Kaushal	37
Workshop on Modelling Real-Time Video Processing System in Simulink using the Video & Image Processing Blockset	Skill Development	30	06-07-2017 to 07-07-2017	Dr. Sheifali Gupta	39
Workshop on Connecting the things with Android over the internet (IoT)	Skill Development	36	06-07-2017 to 07-07-2017	Mr. Dapinder Singh Virk	41
National Case Writing Workshop	Skill Development	60	06-07-2017 to 07-07-2017	Dr. Sandeep Puri	43
Skill Development Training on Automation and Its Future	Skill Development	22	19-07-2017	Hashmeet Singh	45
Seminar on Decades into Days!	Skill Development	150	24-07-2017	Mr. Sandeep SG	46
Workshop on Goal setting and Self Development	Skill Development	62	24-07-2017	Ms. Shalley Sharma, HR Mentorz	48
Seminar on Challenges before Television Journalist	Skill Development	80	03-08-2017	Mr Rohit Khanna	49
Seminar on Challenges in Advertising world	Skill Development	51	04-08-2017	Akshita	50
Workshop on Basic life support	Skill Development	50	08-08-2017	Ms. Meena Batta	51
Seminar on Basics of Film Industry	Skill Development	78	11-08-2017	Mr. Ojaswee Sharma	52
Seminar on Print Media in recent time	Skill Development	88	16-08-2017	Ruchika M. Khanna	53
Enhancing writing skills: En Route Publications	Skill Development	12	22-08-2017	Dr Kiranjeet Kaur	54
TedX Chitkara University	Skill Development	500	15-09-2017	Kezban Klien , Prasoon Gupta, Nandita C Puri , Gaurav Kumar,	55



Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
				Yatin Thakur	
Skill Development Training on Reverse Engineering	Skill Development	23	18-09-2017	Mr. Vijendra Sekhawat	56
Skill Development Training on BSI 6 norms and upgradations	Skill Development	56	19-09-2017	Mr. Vijay Shankar	57
Workshop on Basic Life Support	Skill Development	20	19-09-2017 to 20-09-2017	Mr. Maninder Singh, Ms. Navdeep Kaur	59
Mentor-Mentee Meet	Entrepreneurship	135	21-09-2017	Mr. Sumeer Walia	60
N-rays	Skill Development	135	22-09-2017 to 24-09-2017	Munish Jauhar	61
Seminar on Films as a medium	Skill Development	150	26-09-2017	Anil Mattoo	62
Workshop on Physical examination	Skill Development	61	29-09-2017	Dr. Harmeet Kaur Ms. Navdeep Kaur	64
Workshop on Breast self Examination	Skill Development	65	04-10-2017	Ms Jaspreet Kaur Dullat, Ms. Maninderjeet Kaur	66
Entrepreneurship Awareness Drive	Entrepreneurship	800	05-10-2017	Mr. Anubhav Agarwal Mr. Udayan Dravid	68
Workshop on Craniosacral Therapy	Skill Development	10	25-10-2017	Dr. V Prem	69
Pitch Perfect	Entrepreneurship	35	27-10-2017	Mr. Vinish Garg Mr. Sachin Sharma	70
Workshop Hemodynamic Monitoring & PT Management in ICU	Skill Development	25	28-10-2017	Dr. M. Thangaraj	71
Workshop Sensory Integration Therapy for Physiotherapist	Skill Development	10	29-10-2017	Dr. G Loganathan	72
Workshop on Podcasting- flexible form of audio journalism and story telling	Skill Development	51	30-10-2017 to 03-11-2017	Prof. Sami Huohvanainen	73

Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
Skill Development Training on Role of Electrical Engineer in Building Technology	Skill Development	39	31-10-2017	Sh. Gajendra Kumar, Sh. Sudhir Sukhla	74
Startup Day 2017	Entrepreneurship	105	09-11-2017	Mr. Jazzy Sihota	75
Workshop on Art of Writing A Research Paper 2019	Skill Development	17	11-11-2017 to 12-11-2017	Dr. Namrata Sandhu	76
Three Days Workshop on Research Methods and Data Analysis using IBM SPSS and 'R'	Skill Development	54	15-12-2017 to 17-12-2017	Prof. Saurabh Aggarwal	78
Workshop on Principles of Neuro Developmental Treatment	Skill Development	10	10-01-2018	Dr G.K Balaji	79
Hands on Workshop on Kinesiotaping	Skill Development	40	11-01-2018	Dr G.K Balaji	80
Workshop on latest trends in Hospitality industry	Skill Development	80	12-01-2018	Mr. Mandeep Makkar	81
Workshop on Evidence Based Teaching	Skill Development	10	15-01-2018 to 17-01-2018	Dr Catherine Suttle	82
Workshop on Modern indian food	Skill Development	70	17-01-2018	Chef Sanjay Thakur	83
Workshop on Leadership, Ethics & Values	Skill Development	150	22-01-2018	General Bikram Singh	84
Workshop on Search Strategy by Vasumathy and Denny John	Skill Development	56	31-01-2018 to 01-02-2018	Mr. Vasumathy, Mr. Denny John	86
Workshop on Development and Conducting Search Strategy for Systematic Reviews	Skill Development	25	31-01-2018 to 01-02-2018	Mr. Vasumathy, Mr. Denny John	88
Workshop on Script, Style and presentation of a Radio artist	Skill Development	51	02-02-2018	Zaki Hashmi	89
Workshop on S.T.E.P (Scratch Training Enablement Program)	Skill Development	71	05-02-2018 to 06-02-2018	Ms. Deepika Chaudhary	90
Workshop on Hazard analysis and critical control points	Skill Development	55	05-02-2018	Mr. Prakash Jha	92

Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
Workshop on Tally ERP 9.0	Skill Development	47	07-02-2018	Mr. Maninderjit Singh Khanna	94
Seminar on Opportunities in Web Series and its production	Skill Development	70	07-02-2018	Sudeep Saha	95
Workshop on Application and Implementation of Data Structures	Skill Development	75	08-02-2018 to 09-02-2018	Mr. Vikas Rattan, Mr. Preetinder Singh Brar	97
Skill Development Training on Green Plumbing	Skill Development	27	09-02-2018	Mr Kanwar Shamsher, Mr Ajay Mahajan	98
Seminar on Tips for reporting and aspects of investigative reporting	Skill Development	88	10-02-2018	Jupinderjit Singh	99
Seminar on Essential qualities require for becoming a Radio Jockey	Skill Development	51	10-02-2018	Vasudha Tikoo	101
Innovation 2 Commercialisation(I2C)	Entrepreneurship	16	15-02-2018	Mr. Sumeer Walia	102
OCULUS Training of Trainers - Binocular vision Therapy (TTT-Erasmus)	Skill Development	10	19-02-2018	Mr Rishi Bhardwaj	103
Skill Development Training on ventilation in Basement	Skill Development	27	20-02-2018	MR. Ajay Bansal	104
Workshop on Continental Cuisine	Skill Development	75	22-02-2018	Chef Colin	105
Skill Development Training on Skill India	Skill Development	29	27-02-2018	Sh. Ravi Kharbanda	106
Innovation 2 Commercialisation(I2C)- Curtain Raiser	Entrepreneurship	16	06-03-2018	Mr. Nitin Gupta Mr. Ankit Bhateja Mr. Deepak Goel	107
Skill Development Training on Plumbing Design for Room Interior	Skill Development	28	07-03-2018	Rehau	109
Workshop on Computer Networks	Skill Development	50	08-03-2018 to 09-03-2018	Ravinder Singh, Mohit Garg	110
Seminar on Tips of Television journalism and anchoring of TV shows	Skill Development	80	08-03-2018	Charul Malik	111

Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
Skill Development Training on IASC and Skill India	Skill Development	37	09-03-2018	Mr. Nagendra Goel	112
Innovation 2 Commercialisation(I2C)	Skill Development	128	09-03-2018	Mr. Nitin Gupta Mr. Ankit Bhateja Mr. Deepak Goel	113
Workshop on Website Development	Skill Development	35	15-03-2018	Mr. Rajesh Kaushal Mr. Jagwinder Singh Mr. Jatinder Ashta	115
Seminar on Ethics in Journalism	Skill Development	70	20-03-2018	Mr Deepak Vohra	116
Skill Development Training on Copper pipes and Its use in Plumbing and HVCA	Skill Development	73	22-03-2018	Mr C V Dilip Kumar	117
Entrepreneurship Conclave	Entrepreneurship	250	27-03-2018	Gurmeet Singh Ananda Sengupta	119
Skill Development Training on Solar Energy and Its Future	Skill Development	39	29-03-2018	Mr. Hartek Singh	121
Sensitizing Workshop on Recent Tools For effective Literature Review	Skill Development	10	29-03-2018	Dr Sahana Dr Harmeet Kaur Dr Preethi John	122
Seminar on Television Production	Skill Development	40	07-04-2018	Dr. N S Minhas	124
Workshop- On handling of microphone	Skill Development	51	10-04-2018	Dr. Ashutosh Mishra	125
International Ideathon	Entrepreneurship	40	11-04-2018	Mr Sumeer Walia	126
Workshop on Making French Pastry	Skill Development	85	20-04-2018	Chef Amit	127
Skill Development Training on Psychometrics	Skill Development	26	21-04-2018	Mr. Ashwani Rathi	128
Skill Development Training on Use of Standard Tools	Skill Development	29	25-04-2018	Mr Thomas Berhein	130

Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
The Big Pitch 2018	Entrepreneurship	75	11-05-2018	Mr. Sumeer Walia	131
Workshop on Risk Management in Hospitals with Fortis Hospital, Mohali	Skill Development	56	19-05-2018 to 20-05-2018	Dr. Shweta Prabhakar Dr. Vidushi Sharma Dr. Pankaj Arora Dr. Parvinder Pal Kaur Dr. Raman Sharma Prof. Sandeep Patil	132
The Big Idea	Entrepreneurship	50	26-05-2018	Mr. Shivam Gupta Mr. Aman Mr. Sunil Chawla Mr. Rahul Gulati	134
Workshop on Advanced Formulation Analysis Preclinical skills and Pharmacoeconomics	Skill Development	100	20-06-2018	Dr. Gulshan Bansal Dr. Suresh Attili	135
Faculty Development Programme (FDP) Theme Writing Research Papers	Skill Development	150	25-06-2018 to 06-07-2018	Dr Sandhir Sharma Dr B Narsimhan	138
Workshop on Writing State of Art of a Research Paper	Skill Development	31	25-06-2018 to 06-07-2018	Dr Anoop Kumar Singh, Dr Kashidas Chattopadhyay , Dr V.K. Jadon, Dr Rupesh Gupta, Dr Yogesh Singla	141
Workshop on Physical, Mathematical, Environmental and Nano Sciences	Skill Development	23	25-06-2018 to 06-07-2018	Dr. Pankaj Kumar	143
Workshop on Writing State of Art of a Research Project	Skill Development	35	25-06-2018 to 06-07-2018	Dr Anoop Kumar Singh, Dr Kashidas Chattopadhyay , Dr V.K. Jadon, Dr Rupesh Gupta, Dr	146

Name of the workshop/ seminar	Related to	Number of Participants	Dates	Resource Person	Page No.
				Yogesh Singla	
Workshop on Education Research, Data Mining, IoT Applications	Skill Development	21	25-06-2018 to 06-07-2018	Dr. Archana Mantri Dr Sachin Ahuja Dr Shalli Rani	148
Workshop on Research Trends in Network Security, Machine and Deep Learning, Image and Multimedia Processing	Skill Development	30	25-06-2018 to 06-07-2018	Dr. Ramkumar, Dr. Sheifali Gupta, Dr. Deepika Koundal, Ms. Sarvesh, Er. Virender Kadyan	150
Workshop on State of Art Electronic Circuits/Devices and their Applications, Photonics	Skill Development	24	25-06-2018 to 06-07-2018	Dr Rajnish Sharma Dr Rahul Pandey Dr Jaya Madan Dr Nitin Saluja	152
Workshop on Network Security and Project Based Multidisciplinary Innovation and Research	Skill Development	25	25-06-2018 to 06-07-2018	Dr. S.N.Panda, Mr. Rajesh Kaushal, Dr. Jagpreet Sidhu, Mr. Naveen Kumar	155
Workshop on Software Engineering Research, Vehicular Ad hoc Networks (VANETs), Wireless Sensor Networks	Skill Development	33	25-06-2018 to 06-07-2018	Dr. Jaiteg Singh, Dr. Meenu Khurana, Dr. Amandeep Kaur Bhullar	157
Workshop on Pattern Classification	Skill Development	13	25-06-2018 to 06-07-2018	Dr. Anshu Singla	159
Workshop on Mentoring as a Professional Development Tool	Skill Development	27	25-06-2018 to 06-07-2018	Dr Sangeeta Pant, Dr Harmeet Kaur	161
Workshop on Research Methods: A Skill Building Approach	Skill Development	45	25-06-2018 to 06-07-2018	Dr. Amit Mittal	164

## **Faculty Development Programme (FDP) Theme: Advances In Pharmaceutical Technology and Drug Developments: Laboratory To Large Scale**

**Date: 26th June, 2017 to 1 July, 2017**

A Faculty Development Programme (FDP) on Theme: “Advances In Pharmaceutical Technology And Drug Developments: Laboratory To Large Scale” was organized by Chitkara college of pharmacy, Chitkara university, Punjab on 26th June, 2017 to 1 July, 2017 which was attended by 150 faculty members. The pharmaceutical industry has a number of unusual characteristics that make it very different from what people normally think of as industry. It is also an industry replete with contradictions; for example, despite the undisputed fact that for over a century the industry has made a major contribution to human wellbeing and the reduction of ill health and suffering, it is still regularly identified by the public in opinion surveys as one of the least trusted industries, often being compared unfavourably to the nuclear industry. It is undoubtedly one of the riskiest businesses in which to invest money, yet it is perceived by the general public to be excessively profitable. The major pharma companies rightly promote themselves as being research-based organizations, yet most people believe that they spend more on marketing than on research. Despite the acknowledged risks and costs associated with pharmaceutical development, many citizens still believe that pharmaceuticals should be being developed to meet all human needs and that when developed they should be given away to everyone on the basis of need. This FDP aimed to provide a basic understanding of how the industry works and attempts to provide an explanation for some of its contradictions. The objective is to provide a backdrop to the business so that the challenges of the issue of pharmaceuticals in the environment can be better understood. Mr. Amit Kaushal, Plant head, Akums Drugs & Pharmaceuticals Ltd., Haridwar, Mr. Vinay Chaturvedi, Glenmark Pharmaceuticals Limited, Vice president Operations, Baddi, Mr. Sunil Singhal, Head HR, Alkem Laboratories Limited, Baddi, Mr. Ravinder Dhokla, Vice President HR, Fresenius Kabi Oncology Ltd., Baddi, Mr. Manish Marwaha, CEO, Amulya herbs, Panchkula, Sh. Pawan Goel, MD, Chemical Resources, Panchkula, Dr. Parikshit Bansal, CEO, Excellion Innovation & Inventions Pvt. Ltd., Mohali were the eminent speakers.



***Dr. Sandeep Arora Dean Chitkara College of Pharmacy Giving introductory speech On Theme of FDP:  
"Advances In Pharmaceutical Technology And Drug Developments: Laboratory To Large***



## **National Workshop on GST and IFRS**

**Date: 3<sup>rd</sup> July 2017 – 8<sup>th</sup> July 2017**

Taxation and Financial reporting are the core of Accounting on the basis of which the financial health of the firm is encapsulated and reflected to the outer world. Chitkara Business School organised six days **workshop** on "**Goods and Service Tax & International Financial Reporting Standards**" in collaboration with **The Institute of Cost Accountants of India** as knowledge partners. The workshop was conducted with the twin objectives to deliberate on the changing paradigm in Indirect taxation regime and reporting practices, and to provide participants with an understanding of the Goods and Service Tax and International Financial Reporting Standards.

CMA Robin Singh from E&Y and CMA Balwinder Singh from ICAI were the guest speakers for GST and IFRS respectively. CMA Robin Singh is a manager with EY's Indirect Tax practice having over 8 years of experience and primarily focuses on tax structuring, identification of tax planning opportunities, incentive advisory and compliances. He is a visiting faculty under CEP program of Institute of Cost Accountants of India, Institute of Chartered Accountants of India & Noida Management Association and has conducted various sessions on Indirect tax in various B-Schools of India.

CMA Balwinder Singh is FCA, FCMA, AIV, LII, DISA(ICAI). He is currently acting as chairman of the Cost Accounting Standards Board, The Institute of Cost Accountants of India, and is member of Cost Auditing and Assurance Standards Board, The Institute of Cost Accountants of India. He is also member of committee on "Effect of IFRS on Indian Railways Finance Corporation" PSU under Ministry of Railways. He has represented India on various accounting bodies meet at International level and has over 19 years of experience as faculty speaker of various professional seminars, programmes and workshops.

The workshop was attended by 50 participants. During the workshop, the participants learned about the implications of rolling out GST at national level. Also, the implementation of IFRS for financial reporting was also discussed. The workshop provided a good platform for participants from academia, industry and government offices to discuss the critical issues related to burning debate of GST implementation and IFRS reporting practices.

Dr. K K Sharma, Professor & Dean (UG Programs), Chitkara Business School, appreciated the

enthusiasm of the participants, and thanked the guest speakers for sharing their expertise with the participants.



***CMA Robin Singh discussing GST roll out in India***



***CMA Balwinder Singh presenting views on IFRS***

## Technology Innovation and Entrepreneurship Course

**Date: 03-07-2017**

Chitkara University Punjab campus witnessed successful completion of 4 day program on Technology, innovation & entrepreneurship, which commenced on 27th June 2017, and ended on 30th June 2017. The program was very informative for the participant students as its primary goal was to increase students understanding of entrepreneurship and to introduce and provide resources that will support them in initiating their Start-up. Many topics were covered during the program and the mentors & jury members did an outstanding job of sharing their expertise. Students showed great enthusiasm and their positive spirit helped make time together both productive and fun. We are thankful to Mr. Ravinder Shan - CEO -HARTEK SOLAR PRIVATE LIMITED, Mr. Ankit Bhatija (Xovian technologies) and Mr. Parvarish Bedi for guiding the students towards entrepreneurship.



*Mr. Ravinder Shan, Mr. Ankit Bhatija and Mr. Parvarish Bedi with the winners*

## **Workshop on Designing Active Learning Techniques for Implementation in Class Rooms**

**Date: 3<sup>rd</sup> July, 2017**

Chitkara University Research and Innovation Networks, CURIN, Chitkara University, Punjab organized 1 day workshop on **“Workshop on Designing Active Learning Techniques for Implementation in Class Rooms” on 3<sup>rd</sup> July, 2017 at Chitkara University, Punjab.** Convener and organizer of the workshop was Dr. Mantri, Pro Vice Chancellor, Chitkara University, Punjab. Dr. Mantri covered the common classroom problems such as students’ disengagement, non-punctuality and irresponsible behaviour of the students are very common. No matter, how much a teacher prepares for the class and brings in new information, if the students are not engaged, they will not be receptive. The other common problem is that of student’s retention of the learned content. 65 faculty members, scholars and head of the various schools/department of Chitkara University, Punjab attended the workshop.

All the above problems can be circumvented if the students are actively engaged in the classroom. There are many common active learning techniques which have been suggested in the literature and various other versions, which the practitioners have experimented with success. The workshop deals with very important skill set which every teacher must be equipped with – ‘The Active Learning Techniques’. How to design, practice and implement these techniques so that the learners are actively engaged in the class.

Some of the active learning techniques discussed – One-minute paper, Think-pair-share, TAPPS, One minute quiz etc.





***Workshop on Designing Active Learning Techniques for Implementation in Class Rooms***

## **Workshop on Professional Etiquette for Working Executives**

**Date: 3<sup>rd</sup> July, 2017**

*The world was my oyster but I used the wrong fork.” ~Oscar Wilde*

Workshop on ‘Professional Etiquette’ workshop was organised as Faculty Development Programme under for faculty and staff for Chitkara University, Punjab on 3rd July, 2017. Importance of the desired workplace behaviour, email and telephone etiquette as well as dinning etiquette were underscored in the session. The participants were taken through various practices and hands-on experience to equip them with professional behaviour for personal development. The session was highly interactive.

*Resource Persons:* Ms. Sovia RJ Singh, Mr. C.M. Bhan, Mr. Amit Vashishth and Mr. Ravi Dandotiya

*Duration:* 01 day (3<sup>rd</sup> July, 2017)

*Contents and learning of the workshop:*

- Effective Communication
- Professional Grooming
- Business Communication
- Identify & use various cutlery, crockery, glassware and linen kept on a dining table.
- Demonstrate good Etiquettes while dining.
- Apply best practices for ordering food & beverage.
- Generate and develop ice-breakers at the dining table.
- Learn do’s and don’ts at the dining table
- Learn how to offer a Toast
- Practice responsible drinking

The resource person Prof. Sovia RJ Singh ignited the participants to practice and display the right behaviour at the right place during their professional journey. No. of 47 faculty members attended the workshop. She also laid emphasis on work ethics, appropriate communication and interpersonal behaviour resulting into employee engagement and organisational culture. The fact that ignorance of this skill hampers professional growth was emphasised upon and the participants were encouraged to create their brand image by displaying exceptional etiquette at workplace.





*Workshop on Professional Etiquette for Working Executives*

## **Report on Workshop on Goods and Service Tax & International Financial Reporting Standards**

**Date: 3-07-2017**

Taxation and Financial reporting are the core of Accounting on the basis of which the financial health of the firm is encapsulated and reflected to the outer world. Chitkara Business School organised a one day workshop on "Goods and Service Tax & International Financial Reporting Standards" in collaboration with The Institute of Cost Accountants of India as knowledge partners. The workshop was conducted with the twin objectives to deliberate on the changing paradigm in Indirect taxation regime and reporting practices, and to provide participants with an understanding of the Goods and Service Tax and International Financial Reporting Standards.

CMA Robin Singh from E&Y and CMA Balwinder Singh from ICAI were the guest speakers for GST and IFRS respectively. CMA Robin Singh is a manager with EY's Indirect Tax practice having over 8 years of experience and primarily focuses on tax structuring, identification of tax planning opportunities, incentive advisory and compliances. He is a visiting faculty under CEP program of Institute of Cost Accountants of India, Institute of Chartered Accountants of India & Noida Management Association and has conducted various sessions on Indirect tax in various B-Schools of India.

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The workshop was attended by 50 participants. During the workshop, the participants learned about the implications of rolling out GST at national level. Also, the implementation of IFRS for financial reporting was also discussed. The workshop provided a good platform for participants from academia, industry and government offices to discuss the critical issues related to burning debate of GST implementation and IFRS reporting practices.



Dr. K K Sharma, Professor & Dean (UG Programs), Chitkara Business School, appreciated the enthusiasm of the participants, and thanked the guest speakers for sharing their expertise with the participants.

***CMA Robin Singh discussing GST roll out in India***



## Workshop on Handling Python (For Beginners)

Date: 04-05 July 2017

**Participants:** 48

A two-day workshop on **Handling Python for Beginner** was held by Department of Computer Science and Engg, organized by Chitkara University, Punjab from 4-5<sup>th</sup> July, 2017. The workshop is conducted for faculty members of engineering department in order to explore the power and simplicity of python language. This workshop was appreciated by the all faculty members, as they were able to add another programming language in their technical skill set. The resource persons of the workshop was **Ms. Navkiran Kaur** and **Ms. Kanika Garg**, faculty of Computer Science and Engineering Department, Chitkara Univedrsity, Punjab, provides an excellent mix of theory and practical knowledge of python basics. The main content of the workshop was data structure in python and numpy. The workshop was very interactive and interesting where the first day of the workshop covered introductory topics such as basic data types and variables, arithmetic operations, strings and operation of strings, data structures such as lists, sets, tuples, dictionaries and range.

On the second day of the workshop, topics such as installation and use of various modules such as math, matplotlib and numpy were covered. Also, plotting of bar graphs, histograms, pie-charts, scatter plots using matplotlib was covered and trigonometric and logarithmic graphs using numpy was covered.

### Structure of the workshop:

- Basic Intro
- Loops and Condition
- Modules in Python
- Matrix operation using Numpy
- Writing you own code

### Takeaways:

- Learn how to get set up and install Python and libraries.
- Learn all control of python language.
- Find out how to write your Python program in python.

Will be able to built matrix programs in python



***Workshop on Handling Python (For Beginners)***

## **Workshop on Pre-Requisites of Prototyping**

**Date: 4-5<sup>th</sup> July, 2017**

Chitkara University Research and Innovation Network organized Two days workshop on Pre-Requisites of Prototyping from 4-5<sup>th</sup> July, 2017. Dr. Amandeep S. Oberoi, Associate Professor, Research and Dr. Sachin Ahuja, Chitkara University, Punjab was the resource person of the workshop. The workshop was specially designed for the participants who wish to make a prototype for the patents filed by them.

**Day 1:** The workshop started with the Introduction session by Dr Sachin Ahuja where he highlighted the need of prototypes before filing the patents. He also discussed about the easier ways by which a prototype can be made such as Fibre 3D printing and cheap alloys.

**Day 2:** After that the session advanced with the talk by Dr Amandeep Singh Oberoi. Dr Oberoi covered various aspects of prototyping starting with Overview of prototyping and Design cycle. He gave few tips about the Material selection for the prototyping on the basis of Material properties and characterization; He also covered advanced topics on Product Fabrication/development techniques and Measurement techniques. On Day two of the workshop Dr Oberoi and Dr Sachin discussed about the ways by which the product/prototype can be made more presentable. Six faculty and scholars from mechanical department attended the workshop.

The workshop concluded on day 2 with a short visit to prototyping lab where participants learned about various tools and facilities available at Chitkara University for building the prototypes.





***Workshop on Pre-requisites of Prototyping***

## **Workshop on Fundamentals of Press Tool Technology**

**Dated: 04-07-2017 TO 05-07-2017**

Chitkara University, Punjab organized **Two Days workshop on Fundamentals of Press Tool Technology** from 4-5<sup>th</sup> July, 2017 at Chitkara University, Punjab for faculty members. Day by day the demand for sheet metal working and its advanced manufacturing techniques is increasing day by day in the industries. The different types sheet metal of high strength, low weight, good wear and corrosive resistance and being used in automotive, aerospace, marine, biomedical and similar areas. The basic objective of the Faculty development program is to impart the latest and advanced inputs about different manufacturing techniques such as shearing, forming of sheet metal components with the help of press tool and use of power press. This course content will enhance the knowledge of the faculty, scientist and research scholars of the different engineering departments of the university and its R&D centres. The main objectives of the workshop was (i) The course is proposed to generate and impart knowledge on the fabrication of sheet metal component; (ii) To provide the knowledge about metallurgical characteristics of different press tool and forming tool components, components design and its testing, characterization of materials used for sheet metal; (iii) To provide the knowledge about fabrication and machining of advanced materials through traditional and non-traditional methods. Recent trends in Industrial management in manufacturing and (v) The course focuses on understanding the science and technology of different forming processes. Understanding basic principles of metal forming such as the concept of stress, deformation and failure of different metal working processes will be covered during the whole course. The course will enable the students and faculty be conversant with working principles so that they can use the knowledge gained towards increasing the productivity of manufacturing industries in the long run.

Convener of the workshop Dr. Kashidas Chattopadhyay conducted the session. Total No. of 18 faculty members from mechanical department attended the workshop. This program has been designed to provide the knowledge and work experience on sheet metal operation, materials are to be used for fabrication of press tools, and recent trends are going on in shearing, forging, metal forming, jigs and fixtures are required for fabrication and finishing.



***Workshop on Fundamentals of Press Tool Technology***



## **Workshop on Modern Trends in Optimization Techniques and Applications (MTOTA-2017)**

**Resource Persons:** Dr. Vipul Sharma, Dr. Raman Singh and Dr. Raman Goyal

**Duration:** 02 days (4-5<sup>th</sup> July, 2017)

Chitkara University Research and Innovation Network, Chitkara University, Punjab organized Two days workshop on **Modern Trends in Optimization Techniques and Applications** from 4-5<sup>th</sup> July, 2017 at Chitkara University, Punjab. Dr. Raman Singh from CURIN was the convener of the workshop. Dr. Vipul Sharma, Assistant Professor, Department of Computer Science and Engineering, Jaypee University of Information Technology (JUIT), Wagnaghat, Solan, Himachal Pradesh, covered the topics on optimization refers to the art of using minimum limited resources to the best possible effect. It plays an important role in engineering designs, agricultural sciences, manufacturing systems, physical sciences, pattern recognition and other related fields. Eighteen faculty members from Engineering departments registered for the same and attended the workshop. Dr. Raman Kumar Goyal, AP, Aggarsen University also covered the following topics in the workshop:

The indicative pool of topics to be covered is as follows but not limited to:

- Introduction to Optimization Techniques
- Multiple Criteria Decision Making (MCDM)
- Fuzzy analytic hierarchy process (FAHP)
- Technique for Order of Preference by Similarity to Ideal Solution (TOPSIS)







***Workshop on Modern Trends in Optimization Techniques and Applications (MTOTA-2017)***

## **Understanding Brands Through Brain Using Neuromarketing and Sentiment Mining**

Date: **04-07-2017 to 05-07-2017**

Convener: **Dr. Jaiteg Singh**

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A 2-day workshop on **Understanding Brands through Brain using Neuromarketing and Sentiment Mining** was conducted from 04 July 2017 to 05 July 2017.

The workshop aimed at providing introductory exposure on the latest neuromarketing techniques including expert analysis, and resource and cost requirements for conducting effective research to enable separation of truth from hype.

The workshop was especially designed for professionals such as the advertising executives, marketing consultants, etc. and researchers who wish to remain abreast with the latest developments in consumer neuroscience. who Designed for, and anyone else

The workshop was conducted by Dr. Jaiteg Singh, Rupali Gill and Mr. Gaurav Goyal who discussed about the advances in neuroscience and its applications in the study of consumer decision making. The resource persons also discussed the unique capabilities and limitations of the latest consumer neuroscience methods. The workshop was attended by 19 participants.

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 Understanding Brands through Brain using Neuromarketing and Sentiment Mining***

## Workshop on Hardware Implementation of Network Security with Field Programmable Gate Array (FPGA)

**Resource Persons:** Dr. K.R.Ramkumar and Ms. Amanpreet Kaur

**Duration:** 02 days (4-5<sup>th</sup> July, 2017)

2 days workshop on “Hardware Implementation of Network Security with Field Programmable Gate Array (FPGA)” was conducted by Dr. K.R. Ramkumar and Ms. Amanpreet Kaur from 04-07-2017 to 05-07-2017. Basics of Number Theory, Security Standards and Algorithms, Polynomials and Key Management were explained in the workshop. Cryptanalysis was described in the workshop. Introduction to Hardware implementation of Network Security algorithms and Field Programmable Gate Array Logic (FPGA) were covered in the workshop. Total 13 scholars/faculty members attended the workshop. Design flow of Application Specific Integrated Circuit (ASIC) was explained in the workshop. VHDL/Verilog codes were designed in the workshop for Network Security Algorithm. Simulation of Code on ISE Project Navigator (Xilinx Software) and hardware implementation of code on Artix-7 FPGA kit were explained in the workshop.







***Workshop on Hardware Implementation of Network Security with Field Programmable Gate Array (FPGA)***

## **Workshop on Scientific Computing for Data Analysis and Wireless Sensor Networks**

**Dates:** 4-5 July, 2017

**No. of Participants:** 18

CURIN, Chitkara University, Punjab organized **Workshop Scientific Computing for Data Analysis and Wireless Sensor Networks** from 4-5 July, 2017 at Chitkara University, Punjab. With aims at gathering active educationists and researchers from different domains statistics, machine learning and computer science who made significant contributions in order to address conceptual questions in Data Science, where a unified, well accepted picture is still lacking. In this workshop, initially, MATLAB basics were covered with basic commands for the beginners. Data Analysis and Computing, Solving Linear Algebraic Equation, Curve Fitting and Interpolation were covered with MALAB commands. Mathematical models of Numerical Integration, differential Equation and Visualization Tools were also designed.

**Resource Persons:** Dr. Sheifali Gupta, Dr. Amandeep Kaur Bhullar and Ms. Mamatha Sandhu, Chitkara University, Punjab.

In this workshop, basics of Wireless Sensor Networks were covered. Hands-on were done on designing Routing Protocols in MANET and VANET using MALAB. Also Attacker Prevention in MANET and VANET were simulated. Faculty members from ECE, CSE attended the workshop. This workshop was attended by the Beginners and Research Scholars working in area of Engineering and Computer Applications. Total 18 researchers participated in this workshop.



***Workshop on Scientific Computing for Data Analysis and Wireless Sensor Networks***

## **Workshop on Image and Video Processing for Drones and Ground Autonomous Vehicles**

**Date: 4<sup>th</sup> July 2017 to 7<sup>th</sup> July 2017**

Dr. Nitin Saluja from department of CURIN organized workshop on **Image and Video Processing for Drones and Ground Autonomous Vehicles** from 4-7 July, 2017. The real-time systems are part of everyday requirements in agriculture, defence, lifestyle and life-sciences industries. The real-time systems are majorly equipped with processing of image and video processing. In the academic scenario, the image and video processing are limited to the efficiency of algorithms. The real-time implementation requires the programming and implementation of the algorithms in the processors. The processors programmer is usually performed in assembly language, C, C++ and python. The processors offering the installation of the third-party software such as open-CV require special training and this workshop targets the same. 19 faculty members and scholars participated in the workshop. The image and video processing are trending on autonomous vehicle and the drones. Hence, the workshop considers the specific scenario of image and video processing on ground vehicles and drones. So, the workshop targets to skill the participants with programming in C, C++ and Python. The following topics were covered in workshop:

- i. capturing of the images and videos with generic and the special cameras designed for the processing
- ii. characteristics of the image and video recorded from the cameras
- iii. pre-processing requirements of the image and video processing
- iv. processor (Raspberry-pi) programming of the image and video retrieved after pre-processing
- v. implementation and testing of the image and video processing code into the processor
- vi. methods to install the cameras on autonomous vehicle and drone to minimize the noises and jitter in the image and videos
- vii. pilot testing methods for image and video processing with autonomous vehicle and drone



## Seminar on Contributing Content for Community Radio: Subjects and Possibilities

Date: 6 July 2017

**About Speaker:** Dr. Ashutosh Mishra, Dean, School of Mass communication, Chitkara University. He has nearly 40 years of experience as a News Reader in Doordarshan and at AIR and Mr. Pankaj Garg, Assistant Professor, Chitkara University

CSMC organized Radio Workshop for Hostellers (Boys only). The workshop covered basics of ideas for content writing /recording technique and equipments / audio editing/ programming for radio/ overall audio production.

The workshop was conducted to give a platform to Hostellers (boys) so that awareness about radio can be spread further and the students may come forward for active participation in content generation and production for community radio- Radio Chitkara.



*Dr. Ashutosh Mishra along with Mr. Pankaj Garg conducted a workshop on Community Radio*

## **Workshop on Practicing Basic Fundamentals of Science in Engineering Teaching**

**Date: 6-7<sup>th</sup> July, 2017**

Chitkara University Punjab organized two days workshop on **Practicing Basic Fundamentals of Science in Engineering Teaching** from 6-7 July, 2017 at Chitkara University, Punjab. The faculty members who are working in the field of Engineering science, refers to the study of the combined disciplines of physics, mathematics, biology, social science, and engineering, particularly computer, nuclear, electrical, electronic, aerospace, materials or mechanical engineering. By focusing on the scientific method as a rigorous basis, it seeks ways to apply, design, and develop new solutions in engineering.

**Resource Persons:** Dr. Vijay Jadon and Kashidas, Chitkara University, Punjab.

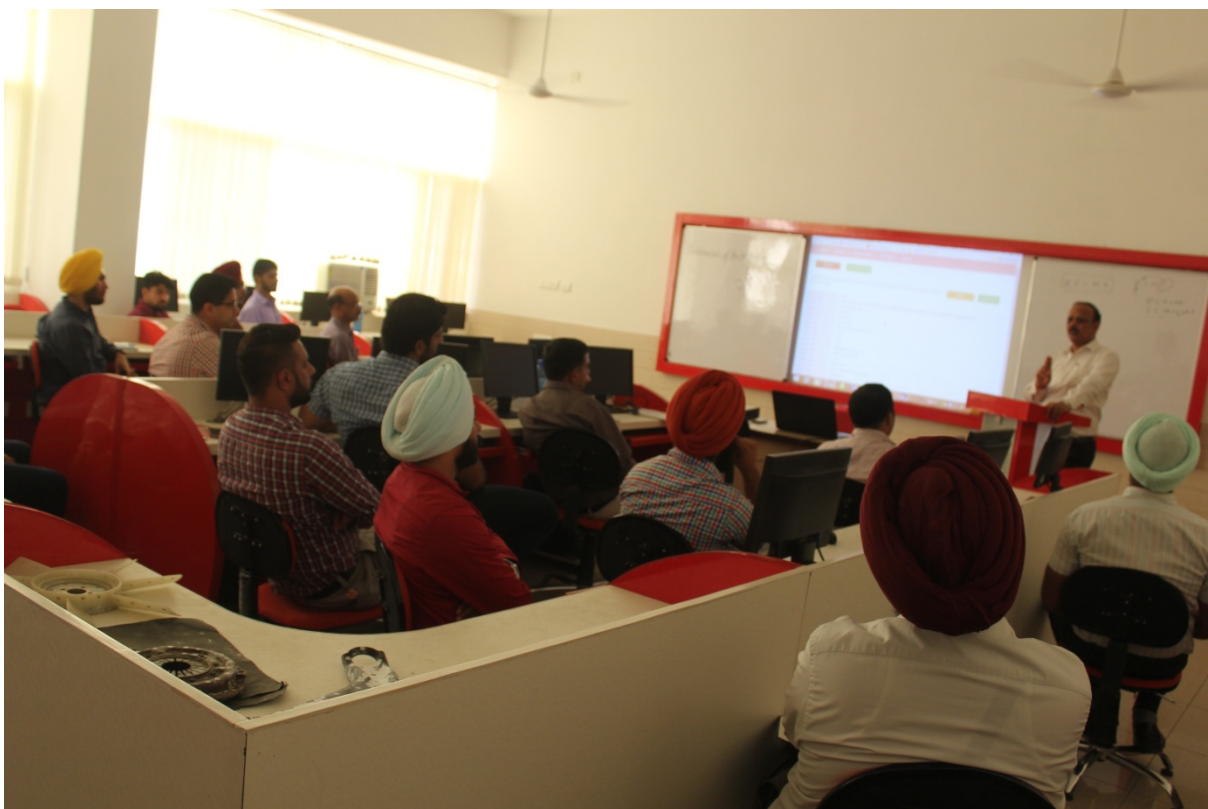
**No. of Participants:** 39

Unlike traditional engineering disciplines, engineering science is not necessarily confined to a particular branch of science, engineering or physics. Instead, engineering science/physics is meant to provide a more thorough grounding in applied science for a selected specialty such as optics, quantum physics, material science, applied mechanics, electronics, nanotechnology, mechanical engineering, aerodynamics, solid state physics etc. The following objectives and topics covered in the workshop:

- The course is proposed to generate and impart knowledge on the importance of applied science on engineering
- To provide the knowledge about solid state of physics and its application in the engineering education
- To provide the knowledge about applied mechanics is a branch of the physical sciences and the practical application of mechanics.
- To provide the knowledge about the application fundamental of science education in different engineering such as mechanical, electrical, electronic etc.

Applied mechanics is a branch of the physical sciences and the practical application of mechanics. Pure mechanics describes the response of bodies (solids and fluids) or systems of bodies to external behaviour of a body, in either a beginning state of rest or of motion, subjected to the action of forces. Applied mechanics, bridges the gap between

physical theory and its application to technology. It is used in many fields of engineering, especially mechanical engineering and civil engineering; in this context, it is commonly referred to as engineering mechanics.



***Workshop on Practicing Basic Fundamentals of Science in Engineering Teaching***

## **Two Days Workshop on Engineering Drawing Skills**

**Date: 6<sup>th</sup> to 7<sup>th</sup> July 2017**

**Resource Person:** Mr. Raj Kumar Kaushal

**Department of Mechanical Engineering**

**No. of Participants: 12**

A workshop was conducted for two days on the basics of engineering drawing for the instructors of Mechanical Engineering. The workshop theme was to understand the planes used for drawing the projections of the components. The basics were imparted using examples from the projections taken for the lines in all the possible four quadrants on the principle planes. This workshop enabled the perspective thinking of each one of the instructor. This helped them to understand the usefulness of the drawings and the various ways to host the applications of drawing into the project work as well as engineering drawing classes.

All of this was conducted through means of theoretical and practical way of teaching. Drawing aides such as principle plane models were also used and videos helped the participants to get acquainted with the projections. A number of examples were used as a practice and formation of subjective and objective questions were also discussed in the workshop. Drawing helps us in lot of ways. Drawing is considered as language of engineering. Each of the instructors thanked me for helping them out with the possibility to make them understand easiness to take the problem of drawing in future.

Through this workshop, I have gained an edge over new ways of teaching my fellow colleagues. Imparting them the skills with my training for more than 19 years of experience in the subject and adoption of steps to teach the participants had been a learned experience from the opportunity that was given to me by Chitkara University. I am very thankful to my department for providing me with an honor to conduct the workshop.





*Workshop on Engineering Drawing Skills (for Workshop Instructors)*

## **Workshop on Enhancing Engineering Communication Skill through Drawing**

**Date: 06-07-2017 to 07-07-2017**

Chitkara University, Punjab organized two days hands on session cum workshop on **“Enhancing Engineering Communication Skill through Drawing”** from **6<sup>th</sup> July 2017 to 7<sup>th</sup> July, 2017**. Graphics has always been the language of Engineering and preferred media for conveyance of design ideas. This unique program was designed to provide teaching methodology of Engineering Graphics from the first principles along with introduction to geometrical dimensioning and tolerance in design. Further the workshop aims to impart basic concepts and fundamental principles of Orthographic projections as well as the topics of development of surface, isometric projections and perspective projections using computer software. The workshop is designed to provide hands on training on selected topics.

The workshop covered the importance for the faculty members of the university, so that industries readiness of students can be prepared at the end of their engineering courses. According to the present scenario, industries expect their employees to be perfect engineers with respect to practical exposure.

**Dr. Kashidas Chattopadhyay**, Resource and convener of the workshop covered all phases of manufacturing a product involve expressing basic ideas into graphical format widely known as engineering drawing and design. Thus engineering drawing becomes a communication tool to convert a design into a 3D object. No. of 10 faculty members attended the workshop. This workshop prepares the faculty to learn the basics concepts involved in technical drawing skills and computer graphics.

During this course, the participants will develop skills on: - understanding of engineering drawings used in industries. The main objectives of the workshop was

- To establish an effective teaching method for Engineering graphics/ Engineering graphics and Design.
- To develop a smart methods of solving problems through interactive working sessions.
- To develop a methodology for relative and absolute communication with production department judicially.



***Workshop on Enhancing Engineering Communication Skill through Drawing***

## **Workshop on Mixed Reality Paradigms and Supportive Tools**

**Date: 6-7<sup>th</sup> July, 2017**

Two days workshop on “**Mixed Reality Paradigms and Supportive Tools**” is conducted by Ms. Amanpreet Kaur and Ms. Bhanu Sharma from 06-07-2017 to 07-07-2017 and organized by Chitkara University, Punjab. Overview of Augmented Reality (AR), Key Technologies in AR, Difference between Virtual and Augmented Reality, System structure of AR, Mobile Augmented Reality and Applications of AR were delivered in the workshop. Graphical Rendering using 3D Maya was explained in the workshop. Introduction to Unity 3D and Unity Integrated Development Environment (IDE) was covered in the workshop.

Detailed description of Inspector, Hierarchy, Project Window, Scene View and Game View was delivered in the workshop. Twelve participants in the field of AR/VR attended the workshop. Hands-on sessions on 2D and 3D objects, cameras in 2D and 3D, animators and animations, animation via scripting, texturing, lights, audio listeners were delivered. User Interface tools such as canvas, buttons and images were explained in the workshop.



***Workshop on Mixed Reality Paradigms and Supportive Tools conducted***



## Workshop on Routing Techniques with Practicing Layer 2 and Layer 3 Networking Concepts

Date	06-07-2017 to 07-07-2017
Time	0930 hrs. to 1600 hrs.
Resource Person	Er. Vidhu Baggan, Mr. Ravinder Singh, Mr. Sunny Singh
Convener	Dr. S.N Panda

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As a constant practice of enhancing the skills in faculty, the department of CURIN under the umbrella activities of Chitkara University organized Two days **Workshop on Routing Techniques with Practicing Layer 2 and Layer 3 Networking Concepts** on the domain of computer networks. The workshop was focused around the concepts and practical implementation of routing protocols at Layer 2 as well at Layer 3. 40 Faculty members from CSE department availed the knowledge from the workshop. The workshop was organized with the following objectives:

### **Objectives:**

- To disseminate the concepts of Routing and its protocols.
- To mentor the practical implementation of networks and various protocols.
- To give the experience of real network scenarios.
- To make them understand the concepts of IP addressing and its bifurcation.
- To pave the way for imbibing the concepts of Security and its configuration.





***Workshop on Routing Techniques with Practicing Layer 2 and Layer 3 Networking Concepts***

## **Workshop on Application Development Using Python, QT Designer and IOT**

**Date: 06-07-2017 to 07-07-2017**

Convener	Dr. S.N. Panda
Resource Person	Mr. Naveen Kumar, Assistant Professor Mr. Rajesh Kaushal, Associate Professor

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Two-days **Workshop on Application Development Using Python, QT Designer and IOT** was organized from July 06-07, 2017 by Chitkara University Research and Innovation Network (CURIN). The workshop comprised of following topics:

- Python Fundamentals
- Control Statements
- Data Structures (List, Dictionary and Tuple)
- File Handling
- Introduction to Object Oriented Python
- Exploring PYQT4 and QT Designer
- Python for IoT applications
- Making IoT application using Python

Mr. Naveen Kumar, Assistant Professor and Mr. Rajesh Kumar Kaushal, Associate Professor were Resource Persons of this workshop. They conducted hand-on-training session during the workshop. Dr. Surya Narayan Panda, Director Research briefs the importance of IoT in the field of Healthcare and agriculture. 47 participants from various departments participated in the workshop. Dr. Panda also discuss the various research opportunities in the field of Internet of Things.



***Workshop on Application Development Using Python, QT Designer and IOT***



## **Workshop on Modelling Real-Time Video Processing System in Simulink using the Video & Image Processing Blockset**

**Duration:** 02 days (6-7th July, 2017)

**Resource Persons:** Dr. Sheifali Gupta

Chitkara University Research and Innovation Network, Chitkara University, Punjab organized two days workshop on **Modelling Real-Time Video Processing System in Simulink using the Video & Image Processing Blockset** from 6-7 July, 2017. Video and Image Processing Blockset is a tool used for the rapid design, prototyping, graphical simulation, and efficient code generation of video processing algorithms. In this workshop, learning to import streaming video into the Simulink environment using Video and Image Processing Blockset was well explained. Hands-on were conducted to perform two-dimensional filtering, geometric and frequency transforms, block processing, motion estimation, edge detection and other signal processing algorithms in Video and Image Processing Blockset blocks. Mr. Satpal Singh conducted the hands on session with the help and guidance of the convenor Dr. Sheifali Gupta. Participants learned how to use floating-point, integer and fixed-point data types in this blockset. Total no. of 30 faculty members from CSE and ECE department attended the two days workshop. Also learn how to use any data type other than double-precision and single-precision floating point.

**Resource Person:** Dr. Sheifali Gupta and Mr. Satpal Singh, Chitkara University, Punjab.

Some other image processing tasks will be done using Video and Image Processing Blockset like Feature Extraction in Image, Removing Periodic Noise from Video, Sharpening, Blurring and Contrast Adjustment in an Image and Tracking an Object in video with Pattern Matching and image compression. A small project will be done in which a user can count the objects in the given image. Total 30 researchers participated in this workshop.





***Workshop on Modelling Real-Time Video Processing System in Simulink using the Video & Image Processing Blockset***

## **Workshop on Connecting the Things with Android Over the Internet (IoT)**

**Date: 6<sup>th</sup> – 7<sup>th</sup> July, 2017**

Chitkara University, Punjab organized Two days workshop on Connecting the Things with Android over the Internet (IoT) from 6-7<sup>th</sup> July, 2017 at Chitkara University Punjab for faculty and scholars. The main motive and objective of the workshop was:

1. To make audience know and familiar with Internet of Things technology.
2. To make the audience aware about the benefits of IoT.
3. To make audience know that how to connect implement Internet of Things using state of the art technology.
4. To implement microcontrollers and Android application with cloud-based technologies to send and receive the control or monitoring related commands.
5. To monitor or control something over the Internet right away using Android application.

No. of 36 participants (faculty and scholars) attended the workshop and hands on session with full dedication and learnt the contents of the workshop as mentioned below:

1. Programming the Arduino and Wi-Fi module to connect the electrical appliance to the Internet.
2. Development of Android application to send or receive the control or monitoring related data over the Internet.
3. To turn a normal web server into IoT enable server using PHP and MySQL.
4. To make audience learn about MQTT, broker, publishing messages on a topic, subscribe to a topic to receive the messages, Quality of service, Last will, Client ID, Wild cards in MQTT.
5. To configure MQTT broker on Amazon cloud to relay control and monitoring related message over the Internet.
6. To use the ThingSpeak cloud in the implementation of IoT.
7. To connect ThingSpeak cloud with Arduino microcontroller.
8. To implement NodeMCU or ESP32 with Amazon MQTT broker, Web server or Thing Speak.
9. To implement various sensors and actuators to control or monitor something.



As per feedback received from the participants the resource Person Mr. **Dapinder Singh Virk** agreed to conduct the workshop near in future for faculty and scholars.



***Workshop on Connecting the things with Android over the internet (IoT)***

## National Case Writing Workshop

**Date: 6th to 7th July, 2017**

Chitkara Business School, Chitkara University, have organised a "National Case Writing Workshop" for the faculty of B-Schools/ Commerce departments, Research Scholars and business based case writers; from 6-7 July, 2017. It was an intensive three-days "Learning by Doing" methodology workshop covering the fundamentals of case writing.

The intent of the workshop was to train faculty and case writers in the case writing process and help develop a case writing culture in Indian management schools. Further, the cases has been developed by the participants in consultation with the industry experts from various domains like finance, hospitality, pharmaceuticals, manufacturing to name a few which will enhance the skills of the participants in many areas like how to write a case, what contents to be included in the case and how this will be useful for various stakeholders.

**Resource Person:** Dr. Sandeep Puri (Associate Professor) IMT, Ghaziabad was the resource person for this workshop.

There were around 60 participants who have registered for this workshop from across the country and have attempted to develop case-lets in their respective domains. The workshop went very smoothly because of the support from our dean sir Dr.Sandhir Sharma and by the support of all the department faculty members.



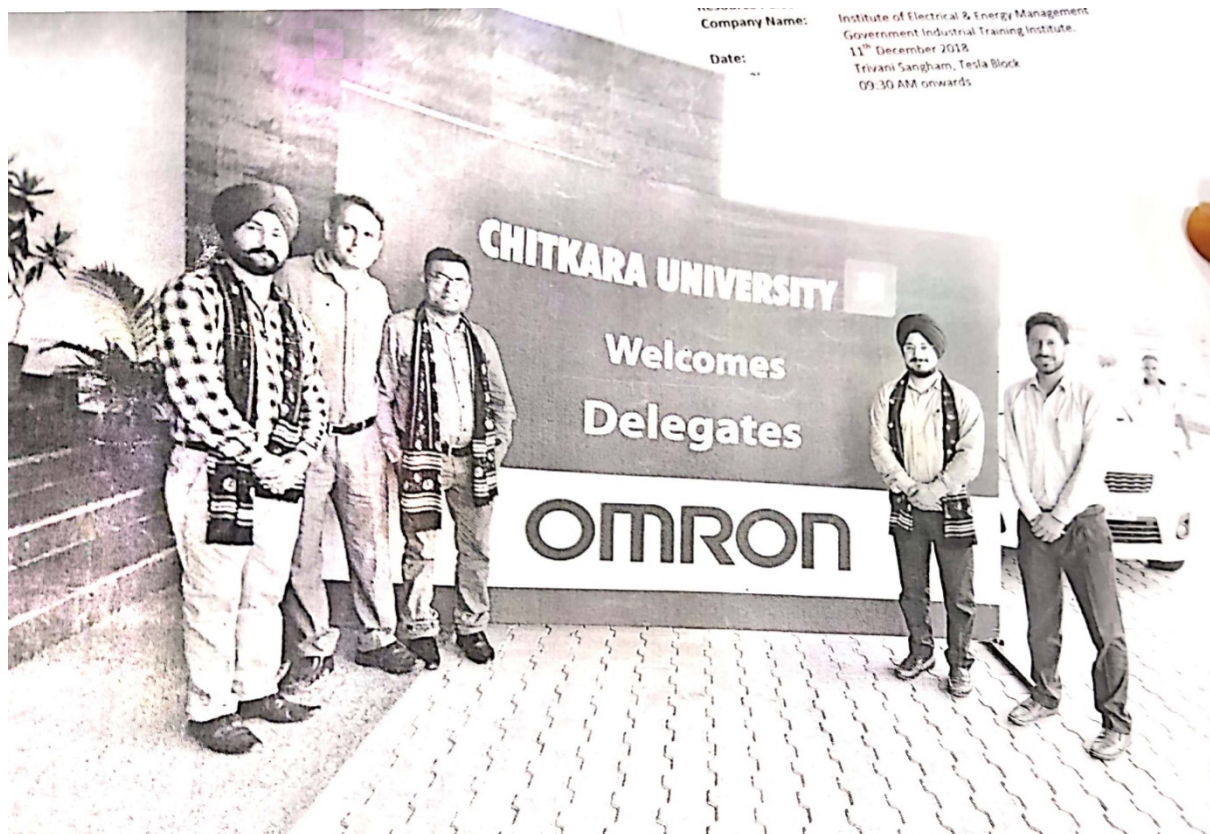




## Skill Development Training on Automation and Its Future

Date: 19<sup>th</sup> July 2018

Department of Electrical Engineering, Chitkara University, Punjab has organized a Skill Development Training on "Automation and Its Future" on 19<sup>th</sup> July 2018 by Hashmeet Singh, Manager OMRON India. It was attended by 22 students from B.E. – Electrical Engineering 4th Semester. Automated machines are expected to replace almost half of the global workforce. Multiple industries, from manufacturing to banking, are adopting automation to drive productivity, safety, profitability, and quality. Automation will bolster connectivity and reliability in a hyper-competitive ecosystem.



## Two Days Seminar on Decades into Days!

**Resource Person: Mr. Sandeep SG**

**Date: 24.7.2017 to 25.7.2017**

**Summary:** Topic "Decades into Days" comprises of four steps. If you have a startup or willing to go for it, the suggested model "Decades into Days" could be helpful for it. Decades into days stands for, ***Plan in decades, Think in years, Work in Months, and Live in days.*** Planning in decades means that you have enough time when you are young to plan your future. In case it takes even one decade to learn a new skill, you still have time to have your startup. It is hard to think in decades. But it is possible to think for one year, two years or three years. Thinking in years, while planning in decades allows you to plan for big moves. This enables you to think about how to activate them every year or two. Work in months means work every month efficiently towards your bigger goal. Working every day efficiently may not be possible as you don't have the same day every day. Therefore monthly work plan could work-out towards the accomplishments of yearly goals. Lastly Live in days means that each human creates their meaning from the life that we did not choose to be born into. As per Jim Carrey "You can fail at what you don't want, so you might as well take a chance on doing what you love". This kind of change and decision happen today, not tomorrow, and not in a year and not the next decade.

### **Resource Person:**

**Mr. Sandeep SG** is a motivational speaker of repute and is the originator of India's No. 1 Motivational seminar series "Life's Golden Ticket". He has helped more than one lakh people to change their lives in twelve cities in seven countries. He has helped people become Entrepreneurs, Authors, Motivational Speakers, Change agents, and also saved people from committing suicides, Being clinically depressed, Being stuck in the wrong job, Being stuck in wrong relationships.



***Mr. Sandeep SG focused on Planning, Thinking, Organizing and Doing in his talk at CCSM, Chitkara University, Punjab***

## Workshop on Goal setting and Self Development

Date: 24-07-2017

**Resource Person:** Ms. Shalley Sharma, HR Mentorz

Many people feel as if they're adrift in the world. They work hard, but they don't seem to get anywhere worthwhile. A key reason that they feel this way is that they haven't spent enough time thinking about what they want from life, and haven't set themselves formal goals.

Goal setting is a powerful process for thinking about your ideal future, and for motivating yourself to turn your vision of this future into reality.

The process of setting goals helps you choose where you want to go in life. By knowing precisely what you want to achieve, you know where you have to concentrate your efforts. You'll also quickly spot the distractions that can, so easily, lead you astray.

The Five principles of Successful Goal Setting are:

- Commitment – Dedication towards goal
- Clarity – Specificity of goal
- Challenge - Degree of goal's difficulty
- Complexity – Degree of goal's demands
- Feedback – Presence of progress reporting



*Students and staff members of CCSM during the session on Goal setting and Self discovery by Ms. Shelly*

## Seminar on Challenges before Television Journalist

Date: 3 August 2017

**About Speaker:** Mr Rohit Khanna is a Master degree holder in Journalism and Mass Communication and also in Commerce. he has also done Masters in Police Criminology and Forensic Science .He was anchor and producer in Zee TV and did first crime based TV show on Zee Punjabi as anchor. He has done sports shows too in Zee .He was executive producer with Reliance Broadcast ( Radio and TV ).He served Punjab Today TV News Channel as producer and also was in launching team of PTC as producer. He has been Associate Editor in Shiwalik Patrika and was a reporter in Vir Parta. Nowadays Mr Rohit is looking after two devotional TV channels Bhagya and Vishwaas as Group CEO and also managing website I VANA B viral.

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Rohit Khanna , an experienced electronic personality interacted with the students on what sort of challenges are faced by the journalist who is trying to make a mark in the electronic field. He talked about his journey and what sort struggles he had to face for making his career. He also appreciated the students for the facilities and opportunities they have nowadays and motivated them to use these opportunities to the maximum and develop their skills. Make more documentaries, use more camera, practice anchoring, etc. He answered many queries of students.



*Rohit Khanna getting his photograph clicked at CSMC studio*



## Seminar on Challenges in Advertising world

Date: 4<sup>th</sup> August 2017

**About Speaker:** Akshita has done BJMC degree three years ago and is currently working with Design Indya as Senior Client Service Executive. She has skilled herself as an advertising professional. She started her career with Crayons as a trainee in creative department and did her internship with Indian Fine Arts (IFA) in Client servicing department. Later she had an experience of working with Grover advertising, Mantrin Advertising.

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Ms Akshita Chabra (an alumni of School of Mass Communication) interacted with BAJMC and MAJMC final year students who have taken specialization in advertising on 4 August 2017. She told them to keep updating themselves as the clients who come to advertising agencies demand a lot and to meet their expectations is the regular task for any professional of this industry.

She shared her career graph and said that while studying media one must work hard and do freelancing, internship and shape his/ her skills so that the world may absorb once a graduate jumps into profession.



*Akshita Chabbra along with his colleague in an interaction with the students*

## **Workshop on Basic Life Support**

**Date: 8th August 2017**

**Resource Person:** Ms. Meena Batta, Fortis Hospital, Mohali

- BLS Workshop was conducted on 8th August 2017 in Fortis Hospital, Mohali from 10.30 am – 12.30pm
- Workshop in charge from Fortis Hospital- Ms. Meena Batta
- Total 50 students of B. Sc AHS and 3 faculties (Dr Barkha, Mr. Dharam Singh, Ms. Gurvinder Kaur) of Chitkara University attended the workshop.
- It was very interactive workshop, students as well as faculty performed manoeuvres on dummies and gained insight on how to do CPR practically.
- Choking was also taught along with its Heimlich manoeuvre.
- Refreshment was given at the end of the workshop.



***Workshop on Basic Life Support***

## Seminar on Basics of Film Industry

Date: 11<sup>th</sup> August 2017

**About Speaker:** Mr. Ojaswee Sharma is a entertaining Video Content producer for Youtube and Social Media Platform as an Independent: Filmmaker/Director and Digital Video Content Producer and cordially distributing the content through the Social Media platforms - YouTube, Facebook, Twitter & Instagram. During the course, I worked on the brand creation of the online channel - Rolling Frames Entertainment (TM) on the native YouTube platform, and have successfully hosted a 100+ unique video content with more than 1 lac views and more counting, each day. I have worked on both self-produced and client-sought video content.

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Mr. Sharma, one of the young entertainer interacted with the media students and educated them about what all he did as a student. He told the students about the power of social media and how they should all make the use the social media platforms and explore your possibilities. Just work, produce more content and promote your work and make the most of the facilities you are provided by the department. He also shared about how hard he has worked for every project, faced rejections and finally made it successful.



*Ojaswee Sharma while interacting with students*



## Seminar on Print Media in Recent Time

Date: 16<sup>th</sup> August 2017

**About Speaker:** Ruchika M. Khanna is a Special Correspondent with The Tribune newspaper. She has over 16 years of experience and has earlier worked in The Indian Express, before she joined The Tribune. She is now covering various issues and sectors in the state of Punjab. She has a varied experience of covering politics, finance and economics, health and development issues. Ruchika is a Chevening scholar (2013), National Press Foundation fellow (2011) and a Thompson Reuters fellow (2005).

While addressing to media students, she highlighted various issues pertaining to print media in recent time especially in the digital world. Throwing light on how digital world has turned the tables for the print media, she showed concerns regarding the authenticity and ethical practices of print media rather than citizen journalism. Handling the power of fourth Estate in the hands of the amateur without any professional degree and experience can be dangerous and hence should have its own restrictions.

Sharing the examples from her experience she said that editorial freedom is necessary and newspapers reputation is associated with it. She said that investigative journalism and development communications are required for our country.



*Ruchika M. Khanna educating the students about Print Media*



## Enhancing Writing skills-En Route Publication

**Date: 22nd August, 2017**

**Resource Person:** Dr Kiranjeet Kaur, Assistant Professor, CSHS

Chitkara School of Health Sciences organized a workshop on “Enhancing writing skills-En route publication” at Curie Hall, Edison Block, Chitkara University, Punjab on 22nd August, 2017. In total, 12 people attended the workshop belonging to different streams of Nursing, Physiotherapy, etc. The brief overview was given by Dr Preethi John, Dean, CSHS highlighting the importance and need of publication in today’s competitive world. Followed by overview, a full day lecture was delivered by Dr Kiranjeet Kaur, Assistant Professor, CSHS. The lecture was divided into different session’s viz. Importance of research paper, plagiarism check, tips for writing research paper. A successful effort was made to discuss about each and every aspect of writing a good research paper. The demonstration was given online while the practice session included various activities such as writing of title, abstract, material method and results. A quiz session was kept in the end and all the participants actively participated in the same. The feedback forms were collected and certificates were distributed.



*Enhancing writing skills-En route publication*

## **TedX Chitkara University**

**Date: 15 September 2017**

TedX, Chitkara University was held in the Chitkara University, Punjab Campus Exploreitorium on 15th September, 2017. TEDx Chitkara University brought together 8 leaders from different spheres of life who delivered talks that foster forward-thinking, action-oriented conversations and motivated our students to explore their potential. Some of the distinguished speakers present were Kezban Klien , Prasoon Gupta, Nandita C Puri , Gaurav Kumar and Yatin Thakur. These achievers shared their life story and success mantras with students of Chitkara University inspiring them for positive change in their lives. Explore Your Potential. That was the message our students took home after igniting talks at TedX, Chitkara University.



*TEDx at Chitkara University on 15th September 2017*

## Skill Development Training on Reverse Engineering

Date: 18<sup>th</sup> September 2017

Department of Mechanical Engineering organized an expert talk on "Reverse Engineering" on 18<sup>th</sup> September 2017 by Mr. Vijendra Sekhawat, Mikuni Tech. Reverse engineering is playing an important role in generating and modifying CAD model, especially for the creation of 3D CAD model of sculptured surface. This paper made a survey of reverse engineering and its applications in rapid prototyping and computer integrated manufacturing. It divided reverse engineering into three main parts: data acquisition, surface reconstruction and data transfer. The recent research results, their merits and restrictions about surface digitizing, reconstruction of surface and data transfer technology are studied. 23 students of 3 year attended this session.

Mr Sekhawat, Mikuni is group deals with sale of motor vehicle parts and accessories include the wholesale and retail sale of all kind of parts related with the motor vehicle.

Some of glimpse of Expert Talk are as follows:



*(L-R) Mr. Sekhawat and Mr. Gautam Malik*



## Skill Development Training on BSI 6 Norms and Upgradations

Date: 19<sup>th</sup> September 2017

Department of Mechanical Engineering organized an expert talk on "BIS 6 norms and up gradations" on 19th September 2017 by Mr. Vijay Shankar, Ashok Leyland. It was attended by the students of Mechanical Engineering Bharat stage emission standards (BSES) are emission standards instituted by the Government of India to regulate the output of air pollutants from compression ignition engines and Spark-ignition engines equipment, including motor vehicles. The standards and the timeline for implementation are set by the Central Pollution Control Board under the Ministry of Environment, Forest and Climate Change.

Mr. Vijay Shankar is the Deputy General Manager, a reliability engineer with substantial knowledge on product specifications, customer usage pattern, failure modes of commercial vehicle.

Some of glimpse of Expert Talk are as follows:







## Workshop on Basic Life Support

Dated: 19<sup>th</sup> to 20<sup>th</sup> Sept 2017

With increasing prevalence of road side accidents, it is imperative for everyone to learn the basic measures to save a life till professional help arrives. Hence, everyone should be aware and skillful in providing Basic Life Support to victims.

Department of Nursing, Chitkara School of Health Sciences organized a two days workshop on topic **“Basic Life Support (BLS)”** from 19<sup>th</sup> to 20<sup>th</sup> Sept 2017 for the university buses’ drivers. A total of 20 bus drivers actively participated in the workshop and learnt the skills under the guidance of experts.

The main emphasis of this workshop was to teach the bus drivers about the assessment of patient, Steps of CPR (Cardio Pulmonary Resuscitation), Algorithm of BLS and Post Resuscitation care of a cardiac arrest victim.

### Details of Resource Person

Mr. Maninder Singh, Ms. Navdeep Kaur (Assistant Professor, Department of Nursing, Chitkara School of Health Sciences) having vast experience in the field of Medical Surgical Nursing were the key resource persons.



*Workshop on Basic Life Support*

## **Mentor-Mentee Meet**

**Date: 21 September 2017**

“Mentor/Mentee Meet Up” was a hands-on mentoring program for budding entrepreneurs, organised by Centre for Entrepreneurship Education & Development (CEED) held at Explore Hub, Chitkara University, Punjab on 21/09/2017(Thursday) in 135 budding entrepreneurs from Chitkara University Punjab & Chitkara University, Baddi participated. The aim of this meet-up was to provide a structure to budding entrepreneurs/ startups to find solutions to their problems by interacting with brilliant peers and experts in the startup domain such as Mr. Sumeer Walia, Director-CEED/CIIF,Chitkara University, Nitin Nanda(Founder & CEO -), Mr. Pawan Mehta,Director- IT,Chitkara University, Punjab, Mr.Sachin Sharma(Founder & CEO -),Dr Neha Kishore, Professor, Chitkara University, Baddi, Mr Dharmesh (Founder & CEO -), Mr.Amandeep (Founder & CEO -), Mr. Mr. Vinish Garg (Founder & CEO - )Mr.Shivam(Founder & CEO -), Mr. Shubham(Founder & CEO -), Mr.Aniket (Founder & CEO -) & Dr Adarsh Aggarwal, ProfessorCEED, Chitkara University, Punjab. Mentor session lasted for 5 hours.



*Participants during the session*

## N-rays

**Date: 22-24 September 2017**

nRays was a three-day rigorous design-thinking hackathon organized by Yellow Cursor and ECell, Chitkara University. nRays was aimed at solving daily life problems and life challenges that the people face in Chandigarh. Through the hackathon, new and sustainable solutions to the problems in domains of Data, Food, Safety, Healthcare, Environment, Architecture, Leisure, Governance, Transportation, and Future Workspaces were thought of and implemented. Design Thinking is a creative thinking process for finding innovative solutions to complex, everyday challenges. Amongst the mentors' present, Munish Jauhar, CEO/Founder of GrayCell Technologies and GrayCell Ventures, Bhavish Sood, General Partner with VC fund 3737 North, Inder Sandhu, Mechanical Design Engineer by trade and a Masters in Machine Design from San Jose State University, California and an MBA from Panjab University, Chandigarh, Vineet Khurana, venture capital professional, entrepreneur and Start-up ecosystem enabler with a strong belief in the Lean methodology of building Start-ups. Naveen Jain, working in the field of Industrial Automation from past 7 years with his fields of expertise being Industrial PLCs, Sensors, Machine Vision, Industrial Wireless and Machine Safety, Raveen Walia, Sales, and Marketing Expert with over 20 years of rich and diverse experience and many more. The wonderful hackathon made the students realize that how design thinking can help build skills for companies and to co-create solutions with other stakeholders from anywhere in the world.



***Winner Team Receiving Trophy At N-Rays***



## Seminar on Film as a Medium

**Date: 26 September 2017**

**About Speaker:** Anil Mattoo is an Indian film Director, who has worked predominantly in Bollywood is a founder and Chairman of FADS Institute. Anil Mattoo has been active as a director in the field of advertisements, documentary making, Drama and feature films. During this journey, he has had the privilege of working with number of National award winning actors like 'YASHWANT' with Nana Patekar, Madhu. 'GAME' with Naseerudin Shah, 'DASTOOR' with Sharmila Tagore, 'PROKOPE' with Suresh Oberoi, Anuradha Patel and others were appreciated at the Box Office.

His Latest venture SHUKLAJI STREET BUMBAL was premiered internationally, and well appreciated. The film again is a true story and based on the plights of Farmers in rain deprived, Draught prone areas of Maharashtra.

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Mr Anil Mattoo, who is renowned film director visited School on 26 September 2017 and highlighted the impact film as a medium carries in Indian society. He said that a director is successful when he is able to develop a connection with the audience. A director thinks from the mind of the audience about their likes, dislikes, reactions, etc.

He said that film is having its own vocabulary, grammar and structure to convey meaning through visual angles, shots and sequences. Therefore, it is important to get a professional training before entering to this field. Film making is an art and requires lot of patience, therefore one who is completely passionate about the making films should enter into this field. In the end, he answered some of the students questions about choosing film making as a career.



*Anil Mattoo apprising the students about Film making*

## Workshop on Physical Examination

Dated: 29<sup>th</sup> Sep 2017

Department of Nursing had organized one day **workshop on “PHYSICAL EXAMINATION” on 29<sup>th</sup> Sep 2017** to enhance the knowledge and skills of B.Sc. Nursing 2<sup>nd</sup> Year students in performing physical assessment of the patients. The workshop was organized by Ms. Kanika and Ms. Navdeep Kaur under the guidance of Dr. Harmeet Kaur (Principal), Department of Nursing, Chitkara school of Health Sciences. A total of 61 participants including 57 B.Sc nursing second year students and four faculty members participated in the workshop.

The topics covered in the workshop were History Taking, Primary & Secondary Data, Methods of physical examination, Head to Toe Assessment, Systematic Examination (Neurological, Respiratory, Circulatory, Gastro, and Reproductive & Musculoskeletal). Hands on training on physical examination were the key feature of the workshop.

### Details of Resource person:

Dr. Harmeet Kaur (Principal, Department of Nursing, CSHS) and Ms. Navdeep Kaur and Ms. Kanika (Assistant Professor, Department of Nursing, CSHS). All the resource persons were experienced and specialized in Medical Surgical Nursing specialty.





***Workshop on Physical Examination***



## **Workshop on Breast Self Examination**

**Dated: 4<sup>th</sup> October-2017**

In order to spread the awareness regarding **Breast Self Examination**, for the early detection of Breast Cancer, a workshop was organized by Ms Jaspreet Kaur Dullat and Ms. Maninderjeet Kaur from Department of Nursing, Chitkara School of Health Sciences on 4<sup>th</sup> October, 2017. Students of B.Sc Nursing Basic 4<sup>th</sup> year (35 students) and Allied Health sciences (30 students) participated actively in the workshop.

Students were taught regarding basic anatomy of the breast, breast cancer and the technique to perform breast self examination at home.

As the prevalence of breast cancer is increasing at an alarming rate, it is important that every girl/ lady must perform regular BSE for early diagnosis of Breast Cancer.

**No of Participants: 65**

### **Details of the Resource Person:**

Resource persons for the workshop were Ms. Bandana Bisht Vice-Principal, Department of Nursing, Chitkara School of Health Sciences Specialized in Psychiatric Nursing. Ms. Maninderjeet Kaur and Ms. Jaspreet Kaur Dullat, Assistant Professor Department of Nursing were Postgraduate and experienced in the field of Obstetrics and Gynecology.





***Workshop on Breast self Examination***

## Entrepreneurship Awareness Drive

**Date: 5 October 2017**

Chitkara University Centre for Entrepreneurship Education & Development (CEED), since its establishment in 2014, with its arduous efforts has taken us one step closer to an Entrepreneurial India. CEED is mentoring over 35 student's startups at Explore Hub, CUPB & 50+ startups are working at Chitkara Innovation Incubator Foundation (CIIF). Entrepreneurship Awareness Drive (EAD) was organised by Chitkara University Centre for Entrepreneurship Education and Development (CEED) in association with E-Cell, IIT Kharagpur, on 5th Oct. The magnificent event saw participation of over 800 students coming from various colleges across the city. Through the words of celebrated entrepreneurs and industrialists like Mr. K.S. Bhatia (CEO & Founder at Pumpkart.com), Mr. Ankur Mathur (CEO at SANRACHNA), Ms. Roshni Dhal (Co-Founder & CEO at HighOn-M), Mr. Anubhav Agarwal (CEO & Founder at bookbyslot.com), Mr. Udayan Dravid (Founder at ConnectHub), Mr. Munish Jauhar (CEO & Founder, Grey Cell Technologies), the startup enthusiastic students realized that a real entrepreneur is the one who does and not just dreams, he does not wait for the opportunity to knock the door, he builds the door himself. A panel discussion on the topic of "How technology and startups go hand in hand & quot;, which was moderated by Mr. Sumeer Walia, Director, CEED/CIIF gave the students an insight on entrepreneurship.



*Panel At EAD Chitkara University*

## Workshop on Craniosacral Therapy

Date: 25th October 2017

**Resource Person:** Dr. V Prem, Associate Professor & HOD, SOAHS, Manipal Hospital, Bangalore

Synapse Physio Pvt. Ltd. with Department of Physiotherapy, Chitkara School of Health Sciences organized one days Pre conference workshop on “Craniosacral Therapy” on 25th October 2017. The workshop was taken by Dr. V Prem, Associate Professor & HOD, SOAHS, Manipal Hospital, Bangalore. The main highlight of this workshop was introducing the participants to the concept of craniosacral therapy. Ten participants attended this workshop.



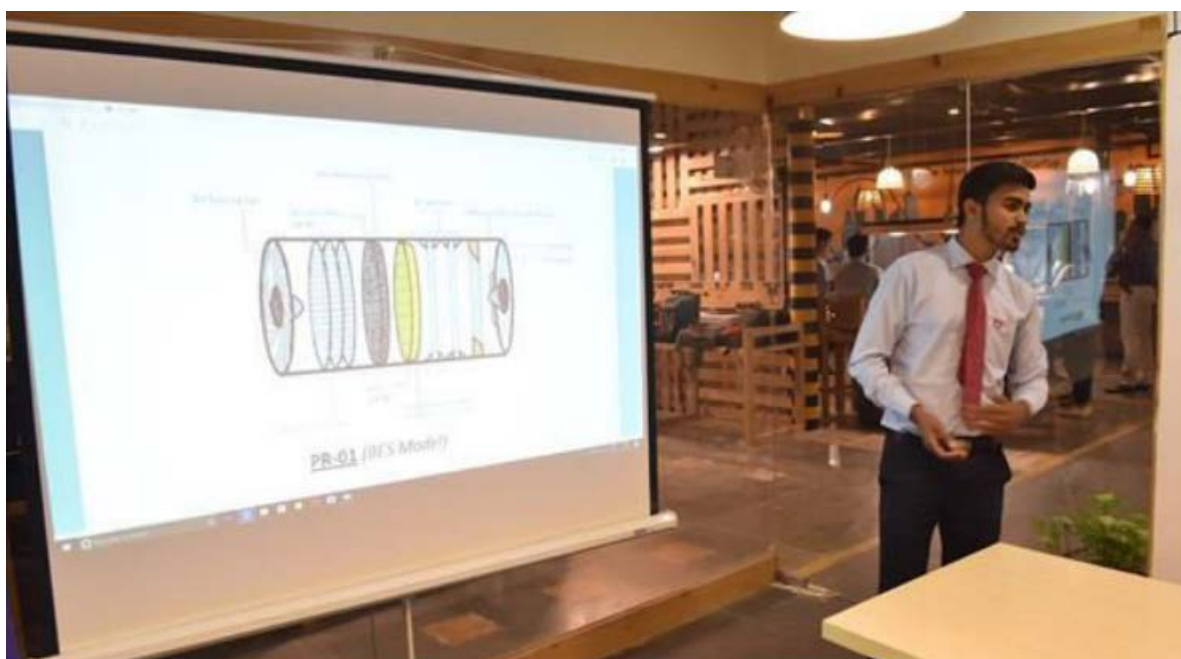
*Craniosacral Therapy*



## Pitch Perfect

**Date: 27 October 2017**

Pitch Perfect” was held on 27th October 2017 which saw participation from over 35 teams from the Chitkara University, Punjab Campus. Through the event, the budding entrepreneurs got a chance to pitch their idea in front of esteemed and impeccable panelists like Mr.Vinish Garg (Founder & CEO - Stippi), Mr. Sachin Sharma (ChalkPad), Mr. Naveen Kalra (CEO - Satshri Technologies) and Dr. Adarsh Aggarwal (Mentor & Professor, CEED). After rigorous pitching, Judges have selected following 11 teams who have made it to the Startup Day’17- Finale which will be held on 9th Nov’17.



***Shivam Singh (BES) Pitching His Startup Idea***

## **Workshop on Hemodynamic Monitoring & PT Management in ICU**

**Date: 28th October 2017**

**Resource Person:** Dr. M. Thangaraj, Vice Principal, ITS College of Physiotherapy, Ghaziabad Synapse Physio Pvt. Ltd. with Department of Physiotherapy, Chitkara School of Health Sciences organized one days Post conference workshop on Hemodynamic monitoring & PT management in ICU on 28th October 2017, for undergraduate and the post graduate physiotherapy students. The workshop was taken by Dr. M. Thangaraj, Vice Principal, ITS College of Physiotherapy, Ghaziabad. The main highlight of this workshop was demonstration of the hemodynamic monitoring, assessment of patient in an Intensive Care Unit. Workshop also focused on the various physiotherapy treatment techniques for patients in the ICU. Twenty-five participants attended this workshop.



***Hemodynamic Monitoring & PT management in ICU***

## Workshop on Sensory Integration Therapy for Physiotherapist

**Date: 29th October 2017**

**Resource Person:** Dr. G Loganathan, certified practitioner of Advanced NDT and SI, USA, Director, Therapy India, Mumbai

Synapse Physio Pvt. Ltd. with Department of Physiotherapy, Chitkara School of Health Sciences organized one days Post conference workshop on “Sensory Integration therapy for Physiotherapist” on 29th October 2017, for undergraduate and the post graduate physiotherapy students. The workshop was taken by Dr. G Loganathan, certified practitioner of Advanced NDT and SI, USA, who is the director of Therapy India, Mumbai. The main highlight of this workshop was demonstration of the assessment and SI treatment techniques on a patient with sensory neurological disorders. This treatment techniques focused on both the adult and the pediatric population. Ten physiotherapy students participated in this workshop.



*Sensory Integration Therapy for physiotherapist*

## Workshop on Podcasting-flexible form of Audio Journalism and Storytelling

Date: 30 October-3 November 2017

**About Speaker:** Prof. Sami Huohvanainen is a Senior Lecturer of Radio, TV and Online Journalism Helsinki Metropolia University of Applied Sciences, Finland Freelance Radio journalist and producer.

Prof Sami held a very informative session with the media students on Podcasting. He kick started the session with introduction to podcasting, history and theories. His session included basics of podcasting like characteristics, genres, examples related to podcasting. He laid emphasis on storytelling and how personal narrative can create intimacy among listeners.

As a part of practical involvement, he taught podcast production to students and introduced concept design to them. The students worked in groups and produced the podcast that was reviewed and discussed later.



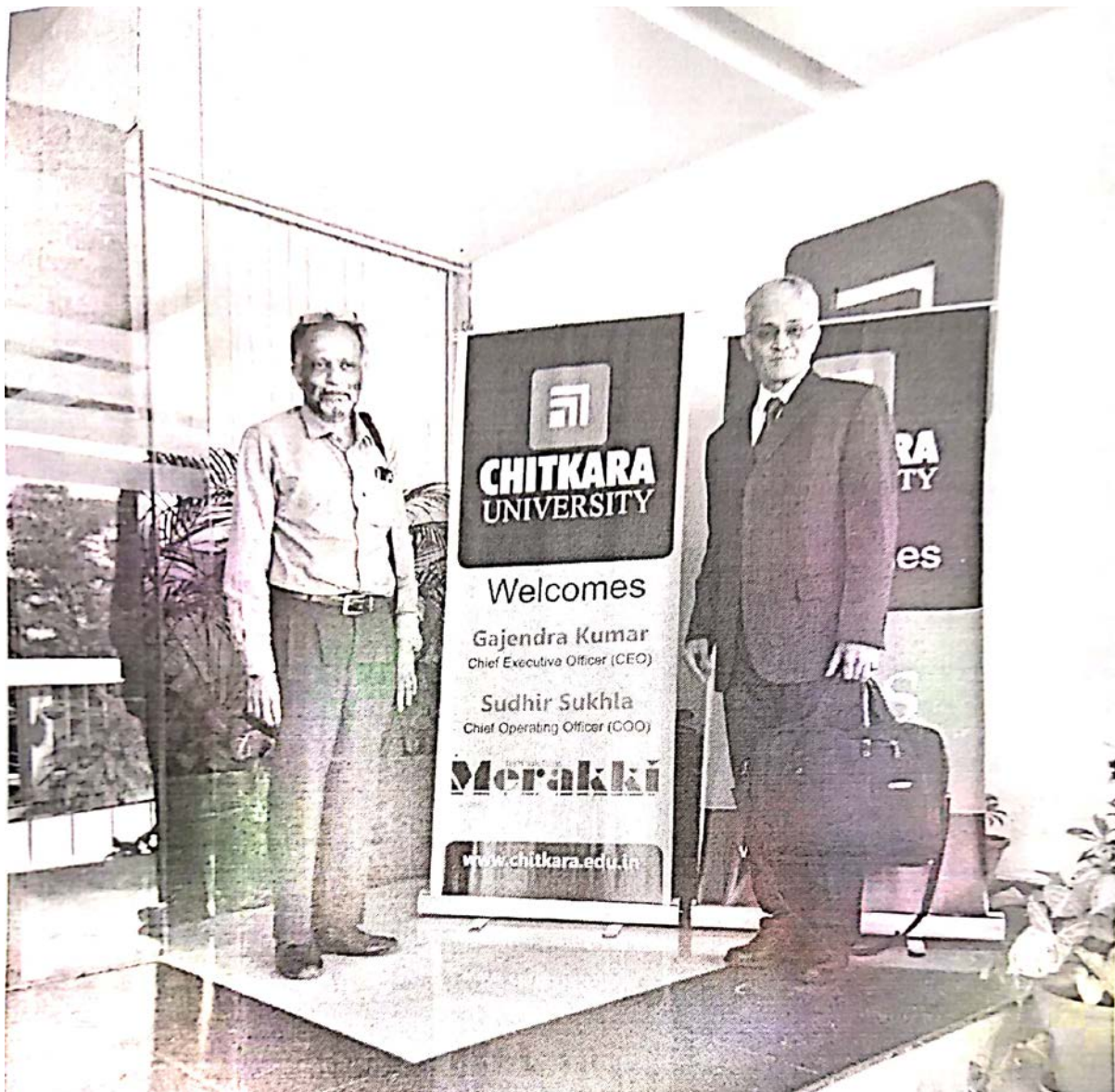
*Prof Samy while conducting a workshop on Podcasting with Students*



## Skill Development Training on Role of Electrical Engineer in Building Technology

Date: 31-10-2017

Department of Electrical Engineering, Chitkara University, Punjab has organized Skill Development Training Program on "**Role of Electrical Engineer in Building Technology**" on 31<sup>st</sup> October 2017 by Sh. Gajendra Kumar & Sh. Sudhir Sukhla, Merakki Tech. Technology with Electrical Engineers would be equivalent to kitchens without chefs. So we provided the notion to the students of diploma civil electrical mechanical how important is electrical engineering to the world.



## **Startup Day 2017**

**Date: 9 November 2017**

Entrepreneurship Cell, Chitkara University organized the 4<sup>th</sup> edition of the Startup Day 2017 on November 9, 2017. To promote the start-up culture in the campus and beyond, E-Cell helped the start-up enthusiastic students to pitch their ideas in front of designated entrepreneurs and industrialists Mr. Jazzy Sihota- Founder Saffron Inc, USA. Member-Chandigarh Angels, Dr. Sandhir Sharma-Dean Chitkara Business School-CUPB., Mr. Ajay Suman Shukla- Team LeadDeshpande Foundation- USA., Rahul Mishra MD at Bluest Mettle Solutions (P) Ltd. The event saw winners as BES who is focusing on making affordable pollution masks! (Hardware & innovation) and won 1 year of working space and \$500 plus dedicated mentoring. The second runner up was Quiz o mania who got 1 year of working space and 300 \$ plus dedicated mentoring. The second runner up saw a tie between Beyond Giftism and Farrago Music, where each won 1 year of working space and 200\$ plus dedicated mentoring.



**Startup Day 2017 Winners**

## **Report on Workshop on Art of Writing: A Research Paper**

**Date: 11-11-2017 to 12-11-2017**

Keeping the edge, Chitkara Business School offered one more workshop on the Art of Writing: A Research Paper from 11th November 2017 to 12th November 2017. Building the legacy of workshop, Dr. Namrata Sandhu once again enlightened the path and journey of writing a research paper to the participants of workshop. Dr. Namrata Sandhu, professor, Chitkara Business School has fourteen years of experience in research, consulting and teaching postgraduate management courses, both in India and abroad. She has contributed more than 60 research papers published in journals of academic repute such as Journal of Human Values, Paradigm, Asia Pacific Journal of Management Research and Innovation, Business Perspectives and Research, Journal of Marketing and Communication etc. She has won the best research paper award (2015 IMRA-IIMB International Conference, Indian Institute of Management, Bangalore, December 2015 and Fourteenth AIMS International Conference on Management, Mudra Institute of Communications, Ahmedabad, December-2016). She is the recipient of the Outstanding Young Woman Researcher Award from the Association of Indian Management Scholars, the Management Teacher Award from AIMS International, USA, Research Excellence Award (Certificate of Appreciation) from Chitkara University, Chandigarh and Teachers' Excellence Award from Chitkara University, Chandigarh. The workshop received a lot of positive feedback and appreciation from the participants. Dr. Dilpreet Singh, professor, Chitkara Business School offered a vote of thanks to Dr. Namrata Sandhu and concluded the workshop.



*Attendees of Workshop on Art of Writing: A Research Paper*



## **Three Days Workshop on Research Methods and Data Analysis using IBM SPSS and 'R'**

**Date: 15-12-2017 to 17-12-2017**

A systematic exploration to institute facts is Research. It is about searching systematically for elucidations of problems. As a result, statistical tools were devised to help the researcher summarize and interpret raw data. Chitkara Business School offered a workshop on Research Methods and Data Analysis for seven days.

Prof. Saurabh Aggarwal, an alumnus of IIT, Kanpur, and IIT, Delhi has a vast experience in the field of Research and Application of Statistical Techniques. He is presently, consultant to IBM SPSS South East Asia Bangalore, Principal Consultant at HBTU Kanpur, Trainer in IBM SPSS & R for Business Analytics and Consultant to UNESCO Doha for data analysis projects. He has delivered numerous training sessions and projects related to R, IBM SPSS Statistics, SPSS Amos, IBM SPSS Modeler, Advanced Excel.

Prof Aggarwal focussed on providing knowledge to the participants about various statistical tools and hence the participants were be able to select appropriate research method for conducting empirical research, select statistical tools for data analysis, use SPSS and R to conduct analysis and apply right tools and techniques while conducting research and Enhance their analytical skills. Fifty four participants from different institutions, universities participated in the workshop and gained a lot of practical hands-on experience.



***Hands on Training during Workshop***

## **Workshop on Principles of Neuro Developmental Treatment**

**Date: 10th Jan 2018**

**Resource Person:** Dr G.K Balaji, Principal, Department of Physiotherapy, Chitkara School of Health Sciences

Hands on Workshop on “Principles of Neuro Developmental Treatment”, was organized by Department of Physiotherapy, Chitkara School of Health Sciences, Chitkara University in collaboration with Synapse Physio Pvt Ltd on 10th Jan 2018. The workshop was felicitated by Dr G.K Balaji, Principal, Department of Physiotherapy, Chitkara School of Health Sciences. Ten delegates from various physiotherapy colleges and multi-specialty hospitals attended the workshop. The workshop was organized to provide an insight about the principles of Neuro Developmental Treatment and enhance the application of these principles in clinical practice. Feedback of the delegates was recorded as the workshop being of great help to improve clinical skills and will contribute in bringing out the functional ability of the patient.



***Principles of Neuro Developmental Treatment***

## Hands on Workshop on Kinesiotaping

Date: 11th Jan 2018

**Resource Person:** Dr G.K Balaji, Principal, Department of Physiotherapy, Chitkara School of Health Sciences

Hands on Workshop on “Kinesiotaping” was organized by Department of Physiotherapy, Chitkara School of Health Sciences, Chitkara University in collaboration with Synapse Physio Pvt Ltd on 11th Jan 2018. The workshop was felicitated by Dr G.K Balaji, Principal, Department of Physiotherapy, Chitkara School of Health Sciences. Forty delegates from various physiotherapy colleges and multi-specialty hospitals attended the workshop. The workshop was organized to provide an insight about the principles of Kinesiotaping and enhance the application of these principles in clinical practice. Feedback of the delegates was recorded as the workshop being of great help to improve clinical skills and will contribute in bringing out the functional ability of the patient.



*Kinesiotaping*

## **Workshop on Latest Trends in Hospitality Industry**

**Date: 12/01/2018**

Chitkara College of Hotel Management and Catering organized a workshop on “Latest Trends in Hospitality Industry” on 12/01/2018. This workshop was conducted for the student awareness about the new trends and technologies used in hospitality industry by the Guest Lecturer, Mr. Mandeep Makkar (GRM, Ramada Plaza Zirakpur). Mr. Makkar was having 10 years of experience in hospitality industry with brands like Taj hotels, The Lalit, Louvre hotels, Wyndham hotels and resorts. 80 students participated in the workshop. The workshop mainly revolved around the aspects of the future possibilities in the tourism sector. Current topics of major importance such as industry and tourism, mass tourism and its impacts, sustainability of tourism, and the hospitality industry were discussed upon. He had demonstrated with lots of example and presentation, Also discussed his field experiences and shared innovative ideas which motivated the students to strive for their future career.



***Mr. Lalit conducting workshop with students of CCHMC***



## Workshop on Evidence Based Teaching

Date: 15th Jan 2018

**Resource Person:** Dr Catherine Suttle, Professor at City University, London

Program started with welcome speech by Dr Preethi Pradhan, DEAN, CSHS. She gave a brief introduction about OCULUS to the participants. She has worked in several countries as an Optometrist. Dr. Catherine Suttle enlightened all the participants with “Evidence Based Teaching” in clinical practice. Her lecture was full of evidence-based teaching methods. This knowledge rich session was conducted for two days (16th& 17th Jan, 2018). Program was brought to end with vote of thanks to Dr. Catherine Suttle. Total 10 participants participated in the workshop.



*Workshop on Evidence Based Teaching*

## **Workshop on Modern Indian Food**

**Date: 17/01/2018**

Chitkara college of Hotel management and catering organized a workshop on “Modern Indian Food” by Chef Sanjay Thakur; Inflight Chef at Etihad Airways caters to the First Class Guests by offering them a globally inspired dining experience for the students of the hospitality department- Chitkara University. This session helped in developing more understanding about Indian Cuisine in hotel industry. The food camp’s mission is to educate and impart learning’s to the students on various aspects of cooking. Through this programme, Chef trained budding chefs on basics of molecular gastronomy like specification, foams, emulsions, gels, caviar and more. Meanwhile, he also demonstrated lessons on different techniques of plating food that is in sync with the modern times. Reinventing local food is significant part of the workshop’s agenda. 70 students participated in the workshop.



***Chef Sanjay Thakur conducting workshop on “Modern Indian Food”***

## One Day Workshop on Leadership, Ethics & Values

**Date: 22-01-2018**

**Resource Person:** General Bikram Singh- Former chief of Army staff

**Summary:** General Bikram Singh delivered a lecture on Leadership, Ethics, and Values. He compared leadership in the army with leadership in the corporate sector. Any failure in army leadership may threaten our nation's sovereignty, while failure in corporate may result in financial loss. However, he valued leadership in the corporate sector and expressed his thoughts over transformation from a nominated leader to an acceptable leader. Leadership can be exercised in various fields from Large organizations to small and medium organizations, as a teacher, as a mentor, as parents. Leadership combined with character and values like integrity, self-improvement, focus on every individual, and having different tools to handle and motivate individually.

**General Bikram Singh** is the former chief of Army staff and post-retirement is a motivational speaker on Leadership Ethics and Values. General Bikram Singh has delivered lectures on Leadership Ethics and Values in various educational institutions and corporate. A true leader only can effectively guide about true leadership and traits of a leader.



*General Bikram Singh, former chief of Army staff, a motivational speaker on Leadership Ethics and Values*



*General Bikram Singh, former chief of Army staff, addressing the gathering for the importance of Ethics and Values in Life*



## **Workshop on Search Strategy by Mr. Vasumathy and Mr. Denny John**

**Date: 31-01-2018 to 01-02-2018**

Chitkara Business School, Chitkara University, Punjab offered a workshop on 'Search Strategies by Vasumathy and Denny John for two days from 31 Jan 2018 to 1 Feb 2018. The focus of the workshop was to provide details about developing an effective search strategy for a systematic review. Workshop brings in focus of using both thesaurus terms as well as all possible text words, the use of Boolean operators and truncation symbols in detail. Vasumathi Sriganesh and Denny John were the experts who offered the workshop. Mr. Vasumathy (Cadambi) Sriganesh is founder and CEO QMed Knowledge Foundation. He has expertise in medical librarianship, medical information retrieval, organization and provision of medical information from published electronic resources. Mr. Denny John is currently working as Evidence Synthesis Specialist, Campbell Collaboration, and is placed at Global Development Network (GDN) Head Office, New Delhi. He has experience of working with development organizations and consulting companies for conducting cost-effectiveness analysis, systematic reviews and epidemiological forecasting studies. He has experience of working in healthcare delivery and community health projects in India and Nepal, and provided technical support for projects in Bangladesh, Tanzania, and Nigeria. He has been the Principal Investigator/Co-Investigator for over 15 research studies conducted across various states in India, and has been awarded several research and project grants from national and international bodies. The workshop presented steps in creating a systematic search strategy that could be documented and reported was demonstrated. The workshop was attended by 56 students who expressed a desire to hold such events at regular intervals.



*Hands on Training during Workshop*

## Workshop on Developing and Conducting Search Strategy for Systematic Reviews

Date: 31st Jan-1st Feb, 2018

### Resource Person:

- Mr. Denny John, Evidence Synthesis Specialist, Campbell Collaboration, New Delhi
- Ms. Vasumathi Sriganesh, CEO, QMed Foundation, Mumbai

Two-day workshop on “Developing and Conducting Search Strategy for Systematic Reviews” was organized on 31st Jan and 1st Feb, 2018. Total 25 research scholars and librarians enthusiastically attended the workshop. Ms. Vasumathi Sriganesh, CEO, QMed Foundation, Mumbai and Mr. Denny John, Evidence Synthesis Specialist, Campbell Collaboration, New Delhi delivered their lectures. Certificates were distributed by Dr Madhu Chitkara, Honourable Vice Chancellor, Chitkara University, Punjab.



*Workshop on Developing and Conducting Search Strategy for Systematic Reviews*

## Workshop-Script, style and presentation of a Radio artist

Date: 02 February 2018

**About Speaker:** Zaki Hashmi is a magician of voice modulation. Better known as Amin Siyani of Chandigarh, he has given voice for many Television Programmes, Radio Programmes, advertisements, documentaries etc.

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While interacting with media students, he talked on various aspects of Radio presentation, announcement, dialogue delivery, scripting, use of microphone, stage announcements, etc. He also shared some throat practices that can be useful for improving the voice modulation.

He also showed some voice modulations he has done for various formats of Radio and answered many queries of students as to how they can improve their voice modulation. Apart from giving voice for various programmes, he also runs an institute where he train students for news anchoring skills, RJs, stage announcements, etc.



*Zaki Hashmi interacting with the students on Voice Modulation*



## **Workshop on S.T.E.P (Scratch Training Enablement Program)**

**Date: 05 February 2018 to 06 February 2018**

**Resource Persons:** Ms. Deepika Chaudhary, Associate Professor Mr. Sunny Singh, Assistant Professor

Department of Computer Applications, CUIET, CU Punjab organized a workshop on "S.T.E.P [Scratch Training Enablement Program]" under Student Chapter of Computer Society of India (CSI) on February 5th-6th, 2018 with an objective to strengthen the student's ability of logic building and animation. The sessions were delivered by Mr. Sunny Singh, Assistant Professor, Department of Computer Applications, CUIET, CU Punjab and Ms. Deepika Chaudhary, Associate Professor, Department of Computer Applications, CUIET, CU Punjab. In the workshop, Students worked on well-known tool called 'Scratch' which helped them in performing collaborations of programming and logic building. Scratch is a free educational programming language that was developed by the Lifelong Kindergarten Group at the Massachusetts Institute of Technology (MIT) with over 11 million registered users. Scratch is designed to be fun, educational, and easy to learn. It has the tools for creating interactive stories, games, art, simulations, and more, using block-based programming. Scratch even has its own paint editor and sound editor built in. Users program in Scratch by dragging blocks from the block palette and attaching them to other blocks like a jigsaw puzzle. The total number of students enrolled in this workshop was 71. The workshop concluded on a successful note and the students were able to make games like Hide and Seek, Kaun Banega Crorepati, stories and animations. It was all through a great learning experience. The workshop received an exceptionally good response by the participants and also a very positive feedback.



***Group Photo of Faculty members with Students of workshop on S.T.E.P.***

## **Workshop on Hazard Analysis and Critical Control Points**

Date: 05/02/2018

Chitkara College of Hotel Management and Catering organized a workshop on “Hazard analysis and critical control points” for the students of the hospitality department- Chitkara University. Mr. Prakash Jha from AIB International explained all the necessary points related to HACCP. Mr. Jha has total 20 years of experience in the industry. This session was helped in developing more understanding about HACCP in hotel industry. Around 55 students were participated in the workshop. HACCP – Hazard Analysis Critical Control point. It is an internationally recognized system for reducing the risk of safety hazards in food. The production of safe food products requires that the HACCP system is built upon a solid foundation of prerequisite programs. Each segment of the food industry must provide the conditions necessary to protect food while it is under their control. These conditions and practices are now considered to be prerequisite to the development and implementation of effective HACCP plans.

- Delivery – They gave the entire possible physical hazard like glass, stone, hair, dust, dirt, stapler pins etc. For chemical hazard, soap and detergents solution can enter due to improper washing.
- Storage – Temperature, cleanliness, maintenance, personal hygiene etc
- Preparation – personnel hygiene, chopping board sanitization, pot wash cleanliness, wearing gloves if required.
- Preparation – cooking temperature and time.
- Service – serving temperature and time, personal hygiene of staff, cleanliness of crockery's and cutleries.



*Mr. Pankaj Jhaa with students while explaining HACCP points*



*Students while attending HACCP workshop*



## Workshop on Tally ERP 9.0

**Date: 07 February 2018**

**Resource Person:** Mr. Maninderjit Singh Khanna, Associate Professor

Computer Society of India (CSI) Student Chapter, under the aegis of Department of Computer Applications, CUIET, CU Punjab, organized one day workshop on "Understanding Tally.ERP9". The workshop was conducted by Mr. Maninder Jit Singh Khanna, Associate Professor, Department of Computer Applications, CUIET, CU Punjab. It was attended by 47 students from BCA, BCA-MCA (I) and MCA streams. The workshop was conducted for commerce background students with an aim to empower them with the knowledge of ERP Accounting Module: Tally.ERP9. Students were given hands on training in creation of company, ledgers and groups, and posting Voucher entry in Tally.ERP9 so as to create various accounting Reports. Students participated in the workshop enthusiastically.



*Group photo of Workshop on Tally ERP*

## Seminar on Opportunities in Web Series and its production

Date: 07 February 2018

**About Speaker:** Sudeep Saha is presently working as Content Head, Zee Digital is an alumni of Chitkara School of Mass Communication. Experienced Creative Producer with a demonstrated history of working in the television and digital entertainment industry. Skilled in Video and series Direction, content planning and programming strategy with 7+ years experience. Strong media and communication professional with a Masters in Mass Communication focused in Audio Visual.

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While interacting with students he revived his nature of being inquisitive and always asking questions while being a student. He shared that he always kept himself update about the recent trends in Hollywood and Bollywood as he always wanted to work in electronic media. Being expressive and communicate is an essential element of being in media field. I did my internship in news channel but that could not hold my interest, therefore at your stage don't hesitate to experiment till the time you understand what you want to pursue seriously.

By being in the commercial market, it is also important to sell your skills to right people. I worked so hard that I got offers in hand rather than me pursuing offers. Students asked him various questions related to web series programming format to which he answers you have to work according to market trends i.e. what sells. When violence sells, I can't sell mythology. Similarly, we are in age when digital content is completely based on experimentation and exclusive formats. Format has changed from 3 years TV serials to 10 episodes in a season, there is more demand in short stories.



*Sudeep Saha in action while addressing CSMC students*

## **Workshop on Application and Implementation of Data Structures**

**Date: 08 February 2018 to 09 February 2018**

**Resource Persons:** Mr. Vikas Rattan and Mr. Preetinder Singh Brar

A two-day workshop titled “Applications and Implementation of Data Structures” was organized by the CSI Student Chapter under the aegis of Department of Computer Applications, CUIET, CU Punjab. The workshop was conducted by senior faculty members of the department Mr. Vikas Rattan and Mr. Preetinder Singh Brar especially for BCA students. The participants were given hands-on training in implementation of data structures. The participants were also appraised about the applications of those data structures. The motive of the workshop was to provide an insight of the data structures and their variants. Typical questions that the candidates encounter during job interviews were also discussed. The workshop achieved the motive and the participants expressed their willingness to attend such workshops in future.



***Students attending Workshop on Application and Implementation of Data Structures***



## **Skill Development Training on Green Plumbing**

**Date: 9<sup>th</sup> February 2018**

Department of Mechanical Engineering organized an expert talk on "Green Plumbing" on 9th February 2018 by Mr Kanwar Shamsheer & Mr Ajay Mahajan, Jaquar Group for Mechanical Engineering 2<sup>nd</sup> year students. 27 students attended this training.

Plumbers who specialize in green technology have an advantage because their services are performed with efficiency at the forefront. This is good for home and business owners in two ways. First, the short term: Green plumbing practices include minimizing water and material waste on the job. Second, the long term: Green plumbers prioritize installing energy-efficient appliances to save their customers money over time.

Mr Ajay Mahajan, customer operation performance centre certified professional, Jaquar group.

Mr Kanwar Shamsheer, Head, Jaquar foundation. More than 35 schools have been adopted by Jaquar foundation for education initiatives.

Some of glimpse of Expert Talk are as follows:



*Delegates from Jaquar*

## Seminar on Tips for Reporting and Aspects of Investigative Reporting

Date: 10 February 2018

**About Speaker:** Jupinderjit Singh is an award winning journalist, writer and author based in Chandigarh, Punjab. He is an author of three books. He has over 20 years of varied experience in reporting in Jammu and Kashmir, covering entire state of Rajasthan as the State Correspondent.

He was awarded Prem Bhatia young journalist award for his stories and research on the “changing demography of Punjab vis-à-vis the inflow of migrants from eastern and central states to Punjab and outflow of Punjabis to western countries” in 2005,

He is a Fellow with the Centre for Science and Environment on Forest Rights for the Tribal in Jammu and Kashmir.

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The first was - Justice for Jassi- which he co-authored with decorated Canadian journalist Fabian Dawson. The book was based on real life love story between a Canadian born Indian girl –Jassi and Mithu, a lowly peasant of Jagraon in Ludhiana and eventually honour killing of Jassi at the behest of her mother got huge response with the Royal Canadian Mounted Police (RCMP) arresting the accused mother and Uncle of Jassi eleven years after Jassi was murdered.

The second book Years later... on Facebook- an anthology of his short –stories and Middles published in various newspapers is set to release early next week. The book is a fine example of creative writing through Middles and short stories, which can be useful for budding journalists. The third is a specimen of investigative journalism. It is tentatively titled 86 years journey of Bhagat Singh's pistol.

Jupinderjit had discovered this lost pistol of the great martyr in November 2016. He has penned the book on his investigation. The book is a learning experience for the students in the art of investigation.



*Jupinderjit Singh during an interaction with students*

## **Seminar on Essential qualities require for becoming a Radio Jockey**

**Date: 10 February 2018**

**About Speaker:** RJ at Red FM Jammu and alumni of School of Mass Communication

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Vasudha Tikoo, recently passout student of mass communication, Chitkara University felt like coming back home while interacting with the students. She recalled the days when she used to sit where students are sitting and listening to what she has to say. She credited all her success to school teaching and getting right opportunity along with her passion for Radio. She always wanted to make her profession in Radio and it's very fortunate she got that chance.

She shared with students the way she used to practice at home before the opportunity knocked her door and now she enjoys doing that. She shared the most important thing for an RJ is to connect with the audience and be a part of them. When you try to be different and artificial, the audience disconnects. She presented some of her anchor links and intro for the students.



*Vasudha Tikoo in action while addressing CSMC students*



## **Innovation 2 Commercialisation (I2C)**

**Date: 15 February 2018**

**Resource Person:** Mr. Sumeer Walia

I2C was a 24hrs Invothon where all the bright innovators of Chitkara University got an opportunity to convert their innovation from a prototype to a complete business model. Innovators presented their innovation/innovative business idea in front of the aspiring/budding entrepreneurs to form teams. These teams worked together to convert the invention to a commercial product with a proper business plan under the guidance of renowned mentors of the region.



*Participants during the event*

## **Oculus Training of Trainers- Binocular vision Therapy (TTT-Erasmus)**

**Date: 19-22 Feb, 2018**

**Resource Person:** Mr Rishi Bhardwaj, Assistant Professor, University of Hyderabad

Chitkara School of Health Sciences organized Oculus Training for Trainers- Binocular Vision Therapy from 19-22 Feb 2018. Mr Rishi Bhardwaj has taken a workshop on various aspects of and new methods of teaching, problem base and case base learning including disease script followed by Dr Ramesh and Vidyut on EBP and ILO. Dr Ramesh had discussed about reporting to ECOO; what are different PTP to overcome gap. Total 10 participants participated in this training programme.



*Oculus Training of Trainers- Binocular vision Therapy*

## Expert Talk on Ventilation in Basement

**Date: 20<sup>th</sup> February 2018**

Department of Mechanical Engineering organized an expert talk on "Ventilation in Basement" on 20th February 2018 by MR. Ajay Bansal, ISHRAE, Chandigarh Chapter. It was attended by B.Tech –Electrical Engineering 4th Semester. Building regulations require the provision of ventilation to all basements (heated or unheated) to adequately control moisture vapor, be it generated internally or brought through from the structure. Cross ventilation or passive stack ventilation are the most effective forms of natural ventilation although continuous mechanical ventilation may be required depending upon proposed use and internal arrangement of rooms.

Some of glimpse of Expert Talk are as follows:



*Delegates from ISHRAE group with fraternity at Chitkara University*

## **Workshop on Continental Cuisine**

**Date: 22/02/2018**

Chitkara College of Hotel Management and Catering organized a one day Workshop on “Continental Cuisine”, dated 22/02/ 2018 for 2nd year students of CCHMC. Chef Colin joins as a Master Chef in Le Cordon Bleu London. He has 25 years of rich amount of experience in culinary world. The Workshop was held mainly to expose the students of the department to Continental Fusion Food and to specialize in the field. Traditional European Food has great demand across the world. Hence the chefs having expertise in continental food also are in good demand. The workshop focused more on the techniques involved in mastering the continental fusion food. Students were involved with chef during preparation and presentation. Student had learned lot of contemporary cooking techniques and presentation styles of the Continental food. It was very explanatory and fruitful workshop in which around 75 students participated.



*Master Chef Colin guiding CCHMC students on European cuisine*



## Skill Development Training on Skill India

### Details of the Event:

Department of Electrical Engineering, Chitkara University, Punjab has organized a Skill Development Training on "Skill India" on 27th February 2018 by Sh. Ravi Kharbanda, Head-Skill Competitions, WorldSkills India. It was attended by 29 students from B.E. – Electrical Engineering 3rd Semester students. It promotes the students for participating in different skill set mentioned in world skill. This improves the scope for students for participating in particular domain.



## **Innovation 2 Commercialisation (I2C)- Curtain Raiser**

**Date: 6th March 2018**

Chitkara University from its strong pool of innovators showcased its 10 most potential Innovative ideas at an exclusive session I2C hosted by Chitkara University at TIECON 2018, Chandigarh on 9th March 2018. Chitkara Innovation Incubator helps turn students' business ideas into reality. Student ventures with scalable, commercial potential are given access to high-tech, collaborative office space, paired with industry mentors, subject matter experts, and community corporate partners to develop scalable business plans, and market-testable products and services. This Centre of Excellence from Chitkara University is named as CEED. The session I2C (Innovation to Commercialisation) by Chitkara University's Centre for Entrepreneurship, witnessed a jam packed audience at the TIECON held at ISB Mohali conventional hall. Five eminent personalities from the innovation sector and industry were present to judge these 10 Innovations. Keynote speaker at I2C, Dr. Anil Wali, Managing Director at Foundation of Innovation and Technology Transfer, IIT Delhi said, "Commercialisation is only executed primarily through two organisational forms, which is corporations and start-ups. Inventions need to be well researched." Other panel guests were Mr. Arijit Bhattacharya, Start-up investor and TIE member, Mr. Nitin Gupta, Founder of Sickle Innovations, Mr. Ankit Bhateja, Founder of aerospace start-up XOVIAN, Mr. Deepak Goel, Investor from Karma Circles and Mr. Vishal Kumar, Director at Quick-Heal. Start-ups that pitched to these experts were very diverse, and had a plethora of innovative ideas ranging from aerospace (manufacturing of satellite sub stations), farm-tech therapeutic medicine, disruption in building material, affordable rural cooking solutions to disruptive innovation in electronic transport/sports utility items like affordable and innovative Golf utility items. The session that went on for over 90 minutes had some critical suggestions from the jury panel to the Innovators for fine tuning of their business plans to make their MVPs stronger and be market ready. Overall a great exchange of knowledge and constructive mentoring from the Industry experts.



*Participants with the Jury members*

## Skill Development Training on Plumbing Design for Room Interior

**Date: 7th March 2018**

Department of Mechanical Engineering organized an expert talk on "Plumbing Design for Room Interior" on 7th March 2018 by Delegates from **Rehau**. Interior design is the art and science of enhancing the interior of a building to achieve a healthier and more aesthetically pleasing environment for the people using the space.

For more than 70 years Rehau has been driven by the ambition to enhance the lives of the people around the world by developing innovative polymer based solutions that continued to redefine what is possible in construction, automotive and industry.

Some of glimpse of Expert Talk are as follows:



*Delegates from Rehau exhibited the bus with room design interior at Chitkara University*



## Workshop on Computer Networks

**Date: 08 March 2018 to 09 March 2018**

**Resource Persons:** Mr. Ravinder Singh, Mr. Mohit Garg

Department of Computer Applications, CUIET, CU Punjab, organized a workshop on "Computer Networks" under Student Chapter of Computer Society of India (CSI) on March 8th-9th, 2018 with an objective to aware the student's about CISCO technologies used worldwide. The sessions were delivered by Mr. Ravinder Singh, Assistant Professor, Department of Computer Applications and Mr. Mohit Garg, Assistant Professor, Department of Computer Applications. In the workshop, Students worked on well-known network simulator 'Packet Tracer version 7.0' cross-platform visual simulation tool designed by Cisco Systems. In the workshop students create network topologies used in modern computer networks. The software allows students to simulate the configuration of Cisco based Routers and Switches using a simulated command line interface. The total number of students enrolled in this workshop was 50. The workshop concluded on a successful note. It was all through a great learning experience. The workshop received a very good response by the participants and a very positive feedback.



*Group photo of Workshop on Computer Networks*

## Seminar on Tips of TV Journalism and Anchoring of TV Shows

Date: 8 March 2018

**About Speaker:** Charul Malik is a leading Hindi-language news anchor and journalist from India, who has now joined India TV as an anchor and executive producer. Prior to this she has worked with Aaj Tak as an associate editor and anchor in Mumbai.

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Charul Malik was a special guest on Women Day to celebrate her achievement she has made in the media field being a Woman. She talked about her journey and how gender biased people act as a hindrance in woman growth. She shared that lot of people made sarcasm remarks for selecting media as her career but she was focused and determined to make her mark in this field. Media field is all about making the best out of the opportunity that comes your way and hence she apprised students that one has to be very focused and active to grasp that skill.



*Charul Malik sharing her professional journey as Woman during Women Day*

## Skill Development Training on IASC and Skill India

Date: 9<sup>th</sup> March 2018

### Details of the Event:

Department of Electrical Engineering, Chitkara University, Punjab has organized a Skill Development Training on "IASC and Skill India" on 9<sup>th</sup> March 2018 by Mr. Nagendra Goel, Chairman, for Instrumentation Automation Surveillance & Communication Sector Skill Council. It was attended by 37 students of B.E. – Electrical Engineering.



*Skill Development Training on IASC and Skill India*

## **Innovation 2 Commercialisation (I2C)**

**Date: 9 March 2018**

Chitkara University from its strong pool of innovators showcased its 10 most potential Innovative ideas at an exclusive session I2C hosted by Chitkara University at TIECON 2018, Chandigarh on 9th March 2018. Chitkara Innovation Incubator helps turn students' business ideas into reality. Student ventures with scalable, commercial potential are given access to high-tech, collaborative office space, paired with industry mentors, subject matter experts, and community corporate partners to develop scalable business plans, and market-testable products and services. This Centre of Excellence from Chitkara University is named as CEED. The session I2C (Innovation to Commercialisation) by Chitkara University's Centre for Entrepreneurship, witnessed a jam packed audience at the TIECON held at ISB Mohali conventional hall. Five eminent personalities from the innovation sector and industry were present to judge these 10 Innovations. Keynote speaker at I2C, Dr. Anil Wali, Managing Director at Foundation of Innovation and Technology Transfer, IIT Delhi said, "Commercialisation is only executed primarily through two organisational forms, which is corporations and start-ups. Inventions need to be well researched." Other panel guests were Mr. Arijit Bhattacharya, Start-up investor and TIE member, Mr. Nitin Gupta, Founder of Sickle Innovations, Mr. Ankit Bhateja, Founder of aerospace start-up XOVIAN, Mr. Deepak Goel, Investor from Karma Circles and Mr. Vishal Kumar, Director at Quick-Heal. Start-ups that pitched to these experts were very diverse, and had a plethora of innovative ideas ranging from aerospace (manufacturing of satellite sub stations), farm-tech therapeutic medicine, disruption in building material, affordable rural cooking solutions to disruptive innovation in electronic transport/sports utility items like affordable and innovative Golf utility items. The session that went on for over 90 minutes had some critical suggestions from the jury panel to the Innovators for fine tuning of their business plans to make their MVPs stronger and be market ready. Overall a great exchange of knowledge and constructive mentoring from the Industry experts.





*Participants with the Jury members*

## Workshop on Website Development

**Date: 15 March 2018**

**Resource Persons:** Mr. Rajesh Kaushal, Associate Professor Mr. Jagwinder Singh, Assistant Professor Mr. Jatinder Ashta, Assistant Professor

A one-day workshop titled “Workshop on Website Development” was organized by the CSI Student Chapter under the aegis of Department of Computer Applications, CUIET, CU Punjab. The workshop was conducted for BCA 1st year students. The participants were given hands-on training in developing Static Website based on HTML 5, CSS and JavaScript. The participants have prepared their own Web pages based upon the concepts of HTML 5, CSS and JavaScript. The motive of the workshop was to make students aware of creating their own Website and also how to host the Website on the Web Servers. The workshop achieved the motive and the participants expressed their willingness to attend such workshops in future.



*Resource Person Interacting with Students*

## Seminar on Ethics in Journalism

Date: 20 March 2018

**About Speaker:** Mr Deepak Vohra has been Renowned TV presenter of 1980s of Doordarshan and bureaucrat. He is Special Advisor to the Prime Minister of Lesotho and Guinea-Bissau. Earlier, Dr Vohra was also an Advisor to the Prime Minister of India.

Mr. Deepak Vohra interacted with media students on aspects of ethics, values and nation's interest and media. He said that as media practitioner one must work a lot on fact checking and cross verification as if it is compromised, it affects credibility of media and also spreads wrong information in society which harms its fabrics.



*Collage of Deepak Vohra while interacting with students along with Dean CSMC*

## **Skill Development Training on Copper pipes and Its use in Plumbing and HVCA**

**Date: 22nd March 2018**

Department of Mechanical Engineering organized an expert talk on "Copper pipes and its use in Plumbing and HVCA" on 22nd March 2018 by Mr. C V Dilip Kumar, Schell India. Copper pipes are commonly used in the construction industry for water supply lines and refrigerant lines in HVAC (heating, cooling, and air-conditioning) systems. Copper pipes can be manufactured as soft or rigid copper and offer excellent corrosion-resistance and reliable connections. The three most common types of copper pipe used in residential and commercial construction are Type K, Type L, and Type M. A fourth type, used for drain-waste-vent, or DWV, piping, can be found in some older homes.

Mr C V Dilip Kumar is the CEO of Schell India pvt ltd. Schell is 8 year old company which is now being run by the 3<sup>rd</sup> generation of family. They are fitting experts in India s sanitary ware market.

Some of glimpse of Expert Talk are as follows:



*(L-R) Ms Harkiran Kaur, Delgate from Schell with C V Dilip Kumar and Mr Dhanasekaran.*





***(L-R) Delgate from Schell with C V Dilip Kumar and Mr Dhanasekaran***

## **Entrepreneurship Conclave**

**Date: 27 March 2018**

The Entrepreneurship Conclave, by E-Cell, Chitkara University, was aimed to enlighten the participants about the current trends in Entrepreneurship, through a series of exhilarant keynote speakers, and entrepreneur interaction panel discussions to bring the participants up to date with the skill set to sustain themselves in the exponentially evolving start-up world. The event started with a warm welcome by Archana Mantri, Pro Vice-Chancellor, Chitkara University. After the greetings, Rajat Jain, Vice Chairman, Neva Garments Ltd & Co-Founder- Director, Padup Ventures, gave an inspiring speech on “Entrepreneurship: Beating All Odds”. The talk was followed by Sonia Gandhi’s (Sr Manager, BIRAC) expert opinion on BIRAC’s role in creating Start-up Culture and elucidated the various funding opportunities for product development and academic collaborations. After the enlightening session, the Entrepreneurship Conclave saw an interesting panel discussion on how to build the perfect Business Model with our esteemed guests, Gurmeet Singh – Director, Mobilart Solutions Pvt Ltd, Ananda Sengupta – CEO. TrackmyBeat, Healthcare, Rohit Shorey –Founder, DawaiBank, Pankaj Thakar – Co-Founder, Padup Ventures, Member IAN. The panel discussion was succeeded by an informative case study by Pranav Chopra, Crimson Healthcare Pvt Ltd followed by yet another illuminative panel discussion on “Art of Fund Raising” by Ashish Grover - Chandigarh Angels, Kapil Malhotra – MD & Founder, Total Solutions, Ashok Mehta - Managing Director, Emmbros Autocomp Ltd, and Sumeer Walia – Director Chikara Innovation Incubator. Taking the event forward, Dr. Tripti Bhatnagar, Codon Biotech, discussed a Case Study on the Startup culture. After the instructive session, Anku Khanna from The Attorneys gave an introduction to Legal Compliances for Startups. The enriching Entrepreneurship Conclave came to an end with an edifying talk by Shuchi Agarwal – IP Neeti on “Effective IPR Strategies: Money Generator or Money Drainer?” The flagship event by CEED and ECell, thus came to an end, by bringing together the vibrant young start-up enthusiasts along with successful entrepreneurs, investors and industry experts creating an environment of knowledge exchange and inspiration.



*Participants at Entrepreneurship Conclave*

## Skill Development Training on Solar Energy and Its Future

Date: 29th March 2018

### Details of the Event:

Department of Electrical Engineering, Chitkara University, Punjab has organized a Skill Development Training on "Solar Energy and Its Future" on 29th March 2018 by Mr. Hartek Singh, CMD - Hartek Group. It was attended by 39 students from B.E. – Electrical Engineering and by also by other stream students. The Future of Solar is Bright. The Sun emits enough power onto Earth each second to satisfy the entire human energy demand for over two hours. Given that it is readily available and renewable, solar power is an attractive source of energy.



*Skill Development Training on Solar Energy and Its Future*



## **Workshop on Sensitization Workshop on Recent Tools for Effective Literature Review**

**Date: 29th March 2018**

### **Resource Person:**

- Dr Sahana. A, Assistant Professor, CSHS
- Dr Harmeet Kaur, Principal, CCN
- Dr Preethi John, Dean, CSHS

A workshop entitled “Sensitization Workshop on Recent Tools for Effective Literature Review” was organized by Chitkara School of Health Sciences. The workshop happened on 29th March 2018 at Faraday Hall, Edison Block, Chitkara University, Punjab. In total, 10 participants were registered varying from MPT students, Ph.D. students, faculties and external faculties. The learning objectives for the workshop were to familiarize with healthcare related database for comprehensive literature review, to appraise the literature review using Analytic Scoring Rubric, to perform critical appraisal of research article and to handle reference management software (Mendeley). The expert talks were arranged by hiring the experts for respective topics such as Dr Sahana. A, Dr Harmeet Kaur, Dr Preethi John, Dr Sachin Ahuja and Mr. Jaswinder. All the speakers delivered very informative lectures in a simple language involving the participants in different activities. Different aspects of the workshop were covered up in separate sessions. Simple search strategies like Boolean, keyword selection, PICO application were discussed in terms of search strategies along with usage of PubMed using MeSH terms. The appraisal of literature review was discussed in view of Rubric system. Usage and application of Patent database searching in context of adding novelty to research and making it industry oriented was discussed. In the end, use of Mendeley software was explained i.e. the basic and free tool for reference management which saves time and energy. Such workshops should be organized on regular basis which will help the research scholars to be aware of the current tools and techniques being applied in the field of Health Sciences that will result in better quality of research.



*Workshop on Sensitization Workshop on Recent Tools for Effective Literature Review*

## Seminar on Television Production

Date: 7 April 2018

**About Speaker:** Dr.NS Minhas , Station Director , Doordarshan , Chandigarh

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Dr. Minhas interacted with the media students on the career in electronic media. He apprised the students about the technical nuances of working in the TV channel and said that a lot of opportunities are coming up in TV field and this profession can be taken as Entrepreneurship venture too.

He also offered students to gain maximum exposure during summer internships during their studies and are also welcomed at Doordarshan for training. He apprised that to make a career in electronic media, one should be deeply passionate about being a journalist and should work to enhance their skills while studying.



*Dr. NS Minhas while addressing the final year CSMC students of Bachelors and Masters*

## **Workshop- On Handling of Microphone**

**Date: 10 April 2018**

**About Speaker:** Dr. Ashutosh Mishra, Dean, School of Mass communication, Chitkara University. He has nearly 40 years of experience as a News Reader in Doordarshan and at AIR

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The workshop aimed at proper usage of microphone was organized in which Dr Ashutosh Mishra gave some tips so that one can sound good in recording. How much distance should be made and what should be the direction from mike we discussed.

Mr. Mishra also showcased level of presenter's voice and where all should be appropriate pauses made while being on mike. The attendees were also educated about pronunciation, taking retake and recording the appropriate sentences are the points which were elaborated with appropriate examples.

*Dr. Ashutosh Mishra conducting a workshop on Mike Handling*



## International Ideathon

**Date: 11 April 2018**

Chitkara University's Centre for Entrepreneurship Education & Development (CEED) in association with LaunchPad, University of Central Lancashire organized an "International Ideathon" where CEED's E-Cell students teamed up with UCLan's LaunchPad students to create great business ideas for some of the most pressing challenges of our time. Students worked in teams and used design thinking and innovative learning practices to ideate and collaborate on possible solutions, drawing on the expertise of innovation leaders from within and outside Chitkara University as mentors, panelists, and experts. Subsequently budding entrepreneurs got an opportunity to pitch their idea and business model to a jury of highly accomplished judges: Dr Archana Mantri, Pro-VC, Dr Amit Mittal, Dean-Research & Mr Sumeer Walia, DirectorCEED. The solution that won the Ideathon was Travel Buddy - a service that helps in building a community of like-minded people and making their travel plan accordingly.



*Participants at International Ideathon*

## **Workshop on Making French Pastry**

**Date: 20/04/2018**

Chitkara College of Hotel Management and Catering conducted a workshop on “French Pastry” for 4th semester students on 20/04/2018. Chef Amit is well-versed in bakery and confectionary. He has a passion and zeal for creating delicious and elegant presentation for bakery products. In the workshop Chef Amit was demonstrated about French pastry. A wide variety of topics were demonstrated French macaroons, chocolate showpieces and candies, artisan breads, ice creams, breakfast pastries, and luxurious cakes. It was really a fruitful and informative workshop in which around 85 students were participated.



***Chef Amit demonstrating to CCHMC students***

## Skill Development Training on Psychometrics

Date: 21<sup>st</sup> April 2018

Department of Mechanical Engineering organized an expert talk on "Psychometrics" on 21st April 2018 by Mr. Ashwani Rathi, Indian Society of Heating Refrigeration and Conditioning (ISHRAE). Psychometrics, psychometric, and hygrometry are names for the field of engineering concerned with the physical and thermodynamic properties of gas-vapour mixtures. In industrial drying applications, such as drying paper, manufacturers usually try to achieve an optimum between low relative humidity, which increases the drying rate, and energy usage, which decreases as exhaust relative humidity increases. In many industrial applications it is important to avoid condensation that would ruin product or cause corrosion.

Some of glimpse of Expert Talk are as follows:







## Skill Development Training on Use of Standard Tools

Date: 25<sup>th</sup> April 2018

Department of Mechanical Engineering organized an expert talk on "Use of Standard Tools" on 25th April 2018 by Rothenberger India Pvt Ltd. This workshop was based on using the standard tools for measuring devices. 29 mechanical engineering students attended this session.

Mr Thomas Berhein is the Managing director at Rothenberger India pvt limited, It has been developing producing and marketing tools machines and equipments for use in the plumbing, HVAC and pipeline sector for over 60 years. It is core business of the group. It is the preferred partners of the professional users.

Some of glimpse of Expert Talk are as follows:



*Mr Thoman Berhein, MD with Mr Dhanasekaran at Chitkara University*

## **The Big Pitch**

**Date: 11 May 2018**

“THE BIG PITCH”, a business pitching event held on May 11th, 2018 (Friday) as a part of the final evaluation of the Entrepreneurship batch students (Engineering Exploration) and Ideate program. The students of Engineering Exploration were given proper mentoring for about four months resulting in conversion of a raw idea into the final idea. And other side an event Ideate started in month of January where students submitted there ideas online and out of 104 ideas 27 were selected and finally 5 ideas were properly executed and prepared for the final pitch. Around 34 teams pitched their idea in front of judges. In the event each team was given a golden chance to pitch their ideas in form of short 1 minute elevator pitch and 3 minutes to do a short pitch with a presentation. After the short pitches, all judges voted for the top pitches and they got 6 months of incubation space worth Rs. 60,000 and focused mentoring and market linkages and a big opportunity of grabbing seed fund. Judges and mentors at mentors at THE BIG PITCH 2018 were Mr. Atul (Co-founder & Chief Mentor- RedAlkemi), Mr. Vinish Garg (Co-founder Stippi,VHITE) Mr. Sumeer Walia , Director-CEED. Dr.Adarsh Kumar Aggarwal ,Professor, CEED.



*Participants pitching their ideas*

## **Risk Management in Hospitals with Fortis Hospital, Mohali**

**Date: 19-05-2018 to 20-05-2018**

Students of MBA Healthcare Management were trained on essentials of risk management in a healthcare setting through a workshop on Risk Management in Hospitals with Fortis Hospital, Mohali. The workshop was held for two days and 56 participants participated in the workshop. The workshop was conducted by Dr. Gurbir Singh and team of doctors from Fortis, PGI and Chitkara University headed the workshop. His team included Dr. Shweta Prabhakar, Regional Head - QA, Fortis Hospital, Mohali; Dr. Vidushi Sharma, Dr. Pankaj Arora, PGI; Dr. Parvinder Pal Kaur; Dr. Raman Sharma; Prof. Sandeep Patil. Dr. Gurbir Singh is regional medical director at Fortis Healthcare Limited. Dr. Gurbir is a highly commended Medical Administrator with 43 years of illustrious experience in the medical field. After putting in 28 years of meritorious service in the Air Force and holding important positions, ranging from Senior Medical Officer, Registrar of a 400 bedded hospital, specialist medical officer (pathologist) & Commanding officer of a 78 bedded hospital he joined Fortis Healthcare Limited – one of the leading hospital chains in India. He is presently working as Regional Medical Director – North, and has contributed immensely over the 15 years of his stay with Fortis as Facility Director of a number of Fortis Hospitals across India and provided expertise for accreditations, setting up greenfield Multi-Specialty Hospitals, preparing SOPs and heading various committees & CMEs. The workshop involved discussion on activities, processes, or policies to be taken care of for reducing liability and exposure. Students were apprised of importance of risk management both for patient safety and financial security in hospitals. Conducting risk management activities aimed at preventing harm to patients and reducing medical malpractice claims.





*Dr. Gurbir Singh, along with Dr. Preethi inaugurating the workshop*



## **The Big Idea**

**Date: 26 May 2018**

Centre for Entrepreneurship Education & Development (CEED), ENTREPRENEURSHIP CELL (E-cell), Chitkara University, Punjab, brought the biggest opportunity ever to students of Chitkara University that is “THE BIG IDEA”, a business pitching event held on May 26th, 2018 (Saturday) as a part of the final evaluation of the Entrepreneurship batch students of CSE 3rd year. The students of Entrepreneurship batch were given proper mentoring for about two months resulting in conversion of a raw idea into the final idea. Around 38 teams pitched their idea in front of judges in Explore Hub, Chitkara University, Punjab. In the event each team was given a golden chance to pitch their ideas for 3 minutes with a presentation. After the short pitches, all judges voted for the top pitches and they got 6 months of incubation space worth Rs.60,000 and focused mentoring and market linkages and a big opportunity of grabbing seed fund. Judges and mentors at THE BIG IDEA 2018 were Mr. Shivam Gupta (Co-Founder, AzuraTech LLP) Mr. Aman (Founder, Alrado) Mr. Sunil Chawla (DGM, Punjab InfoTech) Mr. Rahul Gulati (HeadStart, Bangalore).



***Participants pitching their Ideas***

## **Workshop on Advanced Formulation, Analysis, Preclinical skills and Pharmacoeconomics**

**Date: 20<sup>th</sup> June 2018**

A Workshop with Theme: “**Advanced Formulation, Analysis, Preclinical skills and Pharmacoeconomics**” was organized by Chitkara College of pharmacy, Chitkara University, Punjab **20<sup>th</sup> June 2018**. A total of 100 faculty members and students from Chitkara College of Pharmacy and other colleges attended this FDP.

### **Objectives:**

- To focus on recent trends and advances in the field of Advanced Formulation and Analytical Techniques.
- Preclinical Pharmacological Screening and evaluation methods and Documentation.
- Pharmacoeconomic considerations for evaluating the efficacy of a Clinical therapeutics Program.

**Outcomes:** The eminent speakers of the programme were **Mr. Manish Marwaha**, CEO, Amulya herbs, Panchkula; **Dr. Anil Sharma**, M/S Natural Solution, Goregaon West, Mumbai; **Dr. Damanpreet Singh**, Scientist- C (Pharmacology & Toxicology), Food Nutraceuticals and Quality Control Division, CSIR- Institute of Himalayan Bioresources Technology, Palampur; **Dr. Ashok Kumar Tiwary**, Professor & Dean, DPSDR, Punjabi University, Patiala, Punjab; Prof. Anupam Sharma, Professor, University Institute of Pharmaceutical Sciences, Panjab University Chandigarh and **Dr. Gulshan Bansal**, Associate Professor, Department of Pharmaceutical Sciences & DPSDR, PU, Patiala. Following topics were discussed during the workshop

- Recent trends and advances in the field of Applied Pharmaceutical Analytical Techniques.
- ‘Preclinical Pharmacological Screening methods’
- Novel Drug Delivery System for Herbal Drugs’
- ‘Application of Novel Drug Delivery Systems for Molecules of Herbal Origin
- Pharmacoeconomic calculations

**Dr. Gulshan Bansal**, Associate Professor, Department of Pharmaceutical Sciences & DPSDR, PU, Patiala. The concepts defining the conceptual framework for study necessary for formulation research and development were discussed by him.

**Dr. Suresh Attili**, Director, Clinsync CRO, Hyderabad, discussed the description and analysis of the costs of drug therapy to health care systems and society. He identified and compared the costs and consequences of pharmaceutical products and services

**Dr PK Sharma**, Director, Pharmacy, Galgotia University, Noida is a keen formulation development scientist and discussed the formulating as well as characterizing the drug product, determining both the bioavailability and the metabolic profile of the drug product, and finally determining the toxicity of the drug based on the safety data conducted.

Program 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 of the Workshop proposed vote of thanks and extended thanks to committee members for their sincere efforts for successful completion of the event.



***Dr. Madhu Chitkara, Vice Chancellor, Chitkara University, Punjab attending the inauguration program of Advanced Formulation, Analysis, Preclinical skills and Pharmacoeconomics***



***Dr. Sandeep Arora, Dean, Chitkara College of Pharmacy, Chitkara University, Punjab with Dr. M.D. Burande, Director, IPER, Pune, and other participants***



## Faculty Development Programme on theme Writing Research Paper

Date: June 25<sup>th</sup>, 2018 to July 6<sup>th</sup>, 2018

A Faculty Development Programme (FDP) on theme “Writing Research Paper” was organized at Chitkara College of Pharmacy (CCP), Chitkara University, Punjab on June 25th, 2018 to July 6th, 2018. 150 participants from CCP and other colleges were a part of the elucidative program.

The event was focused on taking a stride towards enabling a more comprehensive and holistic approach to paper writing skills. As there has always been consistent demand to offer quality papers in the existing body of knowledge, this FDP was intended for faculty to broaden their writing skills. Dr. Randhir Singh, Ph.D (Pharmaceutical Sciences), M.Pharmacy (Pharmacology), Professor, M M College of Pharmacy, Maharishi Markandeshwar University, Mullana, Dr. Puneet Moga, M. Pharm., Ph.D. Professor, ISF College of Pharmacy, Moga, Dr. Bharti Sapra Associate Professor, DPSDR, Punjabi University, Patiala, Punjab, Dr. Richa Shri , M.Pharm. PhD Associate Professor, Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala were the eminent speakers who shared their experiences on writing research paper.

The **objective** of this workshop was to unpack what constitutes good research paper and pitfalls of writing it. The **contents** of the FDP were:

- Prerequisite of the title
- How to download quality papers
- Identifying a journal
- Drafting a paper
- Writing an abstract and keywords
- Citations and referencing
- Ethical issues in writing
- Communication of a paper in the journal
- Reasons for rejection of a paper

- Replying to reviewer comment
- Top publishing houses
- Referring to journal guidelines

The FDP was commenced with the traditional lamp lighting ceremony to invoke the blessings of Goddess Saraswati, by the eminent personalities. It was initiated by the Convener of the FDP and Director of Chitkara College of Pharmacy, Dr. Sandeep Arora, who gave a brief introduction into the highlights of the FDP. Various experts extended an informative insight into research paper writing skills.

**Dr Sandhir Sharma, Dean, CSM, CU, Punjab** delivered his talk on the creating writing skills among the faculty and students. He advised to follow a draft pattern to generate the manuscript.

**Dr B Narsimhan, Prof Pharmacy, MDU Rohtak** discussed the process approach to write the research papers. Initial planning investigation and outlining of a paper were discussed.

**Dr Harish Dureja, Prof Pharmacy, MDU Rohtak** explained the supporting ideas arguments for developing the hypothesis for research work and hoe to create a structured research paper.



*Lamp Lighting*



*Speaker Punjab delivered his talk on the creating writing skills*

## **Workshop on Writing State of Art of a Research Project**

**Date: 25th June to 6th July, 2018**

The Workshop on **Writing State of Art of a Research Project** has been conducted in the Department of Mechanical Engineering from 25th June to 6th July, 2018. The objective of this workshop was to broaden the technical knowledge, deepen the understanding of cutting-edge research and networking with peers and colleagues from academia and industry. The major focus of this summer school was to provide a common platform to academicians, industrialists, research scholars and students for writing a research project/paper. In total, 23 research papers were written by the participants to be published in the journals/conferences after the completion of this workshop.

The topics covered during the workshop were as follows:

1. How to Write a Research Paper/proposal/project
2. Learning Targets of writing a research paper/proposal/project
3. Abstract and Introduction writing
4. Experimental setup writing and problem formulation
5. Results and Discussion (What is the need for characterization?)
6. Problem solving
7. Optimization Techniques
8. Review and Discussion of final research papers/sending paper for plagiarism check
9. Modification of papers and filing for good journals/conferences

The panel of speakers, Dr Anoop Kumar Singh, Dr Kashidas Chattopadhyay, Dr V.K. Jadon, Dr Rupesh Gupta and Dr Yogesh Singla, were invited to give an insight from their experiences and domain of expertise.





***Workshop on Writing State of Art of a Research Project***

## Workshop on Physical, Mathematical, Environmental and Nano Sciences

Date: 25<sup>th</sup> June to 6<sup>th</sup> July, 2018

Chitkara University Research and Innovation Network, Chitkara University, Punjab organized 10 days workshop on “**Physical, Mathematical, Environmental and Nano Sciences**” from 25<sup>th</sup> June to 6<sup>th</sup> July, 2018. The workshop was attended by research scholars, doctoral students and faculties of the different discipline of Physical, Mathematical, Environmental and Nano Sciences. The attendees learned and worked on the basis of common and individual area of interest. Further, based on domain (Physical, Mathematical, Environmental and Nano Sciences), all participants were divided in groups followed by mutual discussion of participants and resource person on the basis of areas of interest. This workshop covered all the required steps for writing any kind of research articles/proposals. **Dr. Pankaj Kumar**, Professor, Chitkara University, Punjab was the resource persons of the workshop. Finally all the attendees wrote one or more review or research article with complete introduction, literature review, methodology, results and discussions as well as submitted to concerned journal of their research area.

**Total attendees: 23**

### Topic Covered:

- (i) Literature and related data
  - How and what should be focused for review the literature and content of articles
- (ii) Writing of Introduction according to Review Paper (RP) or Research Article (RA)
  - What should be in Introduction and how to make continuity in text considering the research aspect
- (iii) Writing of Introduction according to RP or RA
  - What should be in Introduction and how to make continuity in text considering the research aspect
  - How to reach up to last paragraphs of introduction to come up to related problem to be discussed next
- (iv) Writing of Literature Review (LR)
  - How to write effective LR with proper citations in text and references

- (v) Writing of materials and methodology
  - How to write and what approaches to be followed for RA/RP
- (vi) Results and discussion
  - How to report results, tables, figures in RA/RP- discussion if required
- (vii) Drafting of Conclusion, Finalising the title and abstract
  - What and how should be conclusion, how it different from abstract conclusion-limitations, future scope etc
- (viii) To find the target Journals/ Conference based on RP/RA
  - How to select the targeted journal/ publisher







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15. Problem solving
16. Optimization Techniques
17. Review and Discussion of final research papers/sending paper for plagiarism check
18. Modification of papers and filing for good journals/conferences

The panel of speakers, Dr Anoop Kumar Singh, Dr Kashidas Chattopadhyay, Dr V.K. Jadon, Dr Rupesh Gupta and Dr Yogesh Singla, were invited to give an insight from their experiences and domain of expertise.



***Workshop on Writing State of Art of a Research Project***

## **Workshop on Education Research, Data Mining, IoT Applications**

**Date: 25 June to 6<sup>th</sup> July, 2018**

Chitkara University Research and Innovation Network, Chitkara University, Punjab organized 10 days workshop on **Education Research, Data Mining, IoT Applications** from 25 June to 6<sup>th</sup> July, 2018 for faculty and research scholars of various departments of Chitkara University, Punjab. Dr. Archana Mantri, Pro Vice Chancellor, Dr Sachin Ahuja and Dr Shalli Rani were the resource persons of the workshop. The main aim of the workshop was to make the participants aware of the upcoming research topics in the field of Data Mining, IoT Applications. 21 participants from various departments of Chitkara University attended the workshop.

The participants got an insight about how to publish in data mining and Internet of Things. During the workshop participants were asked to bring their own datasets or results and they were assisted for writing a quality research paper using their own data. The workshop provided a platform to the novice researchers to understand about the basics of good research papers, identification of the prospective conference/journal to publish the paper. The participants were provided with a paper template during the start of the workshop and 16 out of 21 participants completed the research paper during the complete duration of the workshop.





***Workshop on Education Research, Data Mining, IoT Applications***



## **Workshop on Research Trends in Network Security, Machine and Deep Learning, Speech and Multimedia Processing**

**Date: 25 June to 6<sup>th</sup> July, 2018**

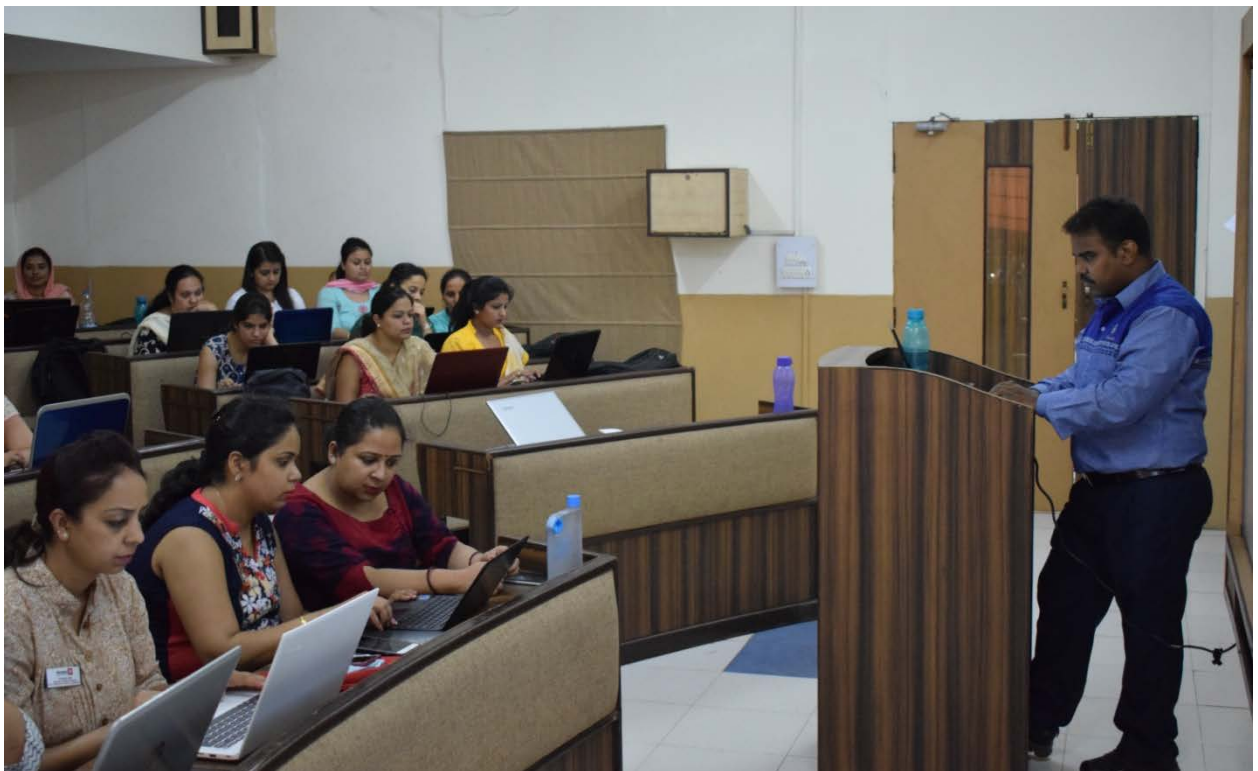
**Resource Person(s):** *Dr. Ramkumar, Dr. Sheifali Gupta, Dr. Deepika Koundal, Ms. Sarvesh & Er. Virender Kadyan*

CURIN department organized Workshop on Research Trends In Network Security, Machine and Deep Learning, Speech and Multimedia Processing from 25 June to 6<sup>th</sup> July, 2018, and the faculty members were given training to write research articles from Literature Review to References Section. This workshop is intended to write research articles in the domains such as Network Security, Machine Learning, Image processing and Speech Recognition.

The participants had chosen their area of interests to form the Research Interest Group. The purpose of the Research Group was writing the papers as groups that will expedite the process of completing the task. The respective mentors have given their inputs to start with Literature Survey , and first two days the participants searched various research articles from Reputed Journals and identified some problems and research questions, the research gaps were identified in next two days. The mentors helped the participants to use various tools and standard procedures to find relevant research articles. The group was divided into two to write Research and Review articles. The experts have given the ideas for implementation and suitable simulators were identified to implement the proof of concept level, the results were analyses in last two days and participants were given the complete flavor of writing research articles. The simulators such as MATLAB, NS2, SWANS , and OMNET++ were installed to test the first draft of implementations. Total no. of 30 members participated in the workshop.

Some of the participants practiced to write the survey and review articles and participants were trained in Overleaf to write research articles according to various journal formats.

The workshop duration ten days were effectively utilized to complete the first draft of research articles, and there were 45 papers written as first drafts and participants were motivated to write more research articles in the above specified domains.



***Workshop on Research Trends in Network Security, Machine and Deep Learning, Speech and Multimedia Processing***

## **Workshop on State of Art Electronic Circuits/Devices and their Applications, Photonics**

### **Workshop Summary Report**

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**Workshop Title:** Workshop on State of Art Electronic Circuits/Devices and their Applications, Photonics

**Organised by:** VLSI, CoE, Chitkara University Research and Innovation Network, Chitkara University, Punjab, India.

**Date and Time:** 25/06/2018 to 06/07/2018 (9:30 AM to 1:00 PM)

#### **Resource Persons:**

- Dr Rajnish Sharma, Professor, Chitkara University, Punjab, India
  - Dr Rahul Pandey, Assistant Professor, Chitkara University, Punjab, India
  - Dr Jaya Madan, Assistant Professor, Chitkara University, Punjab, India
  - Dr Nitin Saluja, Assistant Professor, Chitkara University, Punjab, India
- 

#### **Summary of the Workshop**

To deliver a research-level understanding and train the faculty members to produce quality research articles in future a 10 days' workshop on "state of art electronic circuits/devices and their applications, photonics" has been organised. The workshop offered state of the art training on semiconductor device simulation and circuit simulation using industry-standard technology computer-aided design (TCAD) tools like Silvaco, SCAPS-1D and Cadence. The hands-on training was given to the participants. In total, 24 participants successfully attended and completed the course offered in the workshop. The workshop is concluded with quality publication by the participants.

#### **Scope and Objective of the Workshop:**

The workshop lecture session provided the learning opportunities and enabled the participants to understand the following.

1. *Significance of research and different parts of the manuscript.*
2. *Identify the research problem and formulate the same.*
3. *Conduct research using commercial as well as open-source TCAD tools.*

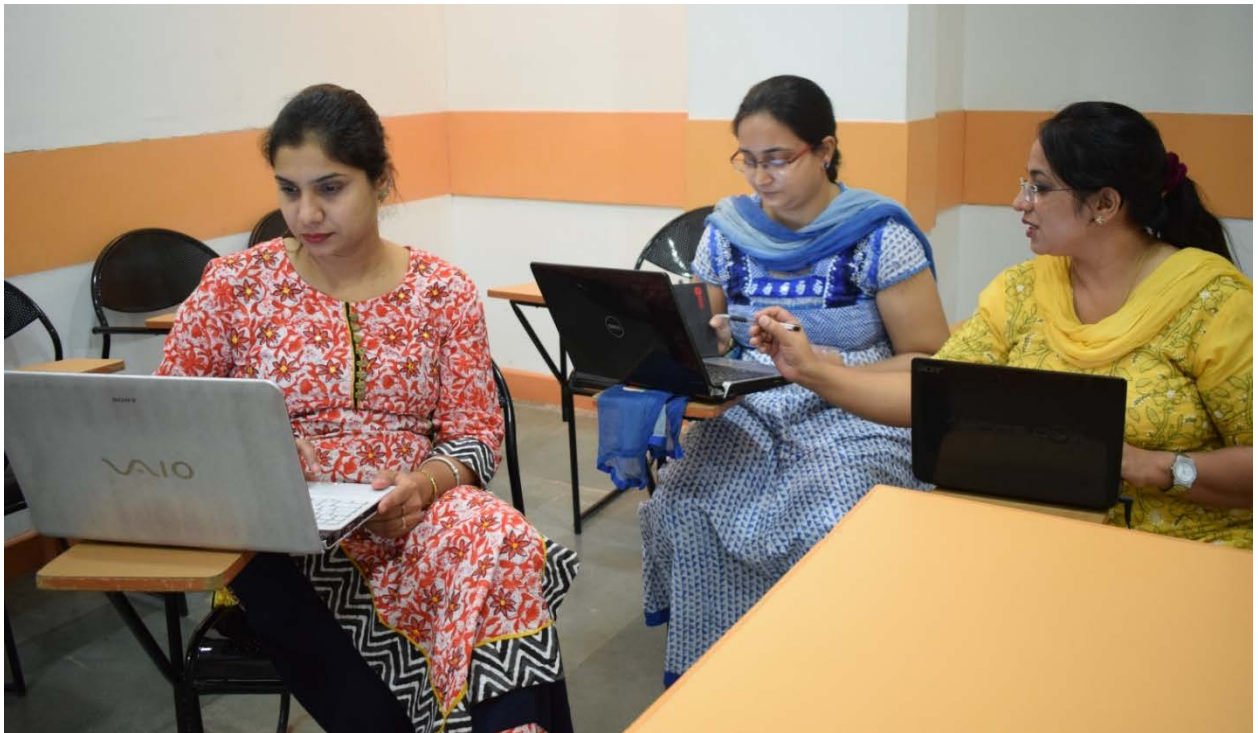
4. *Design, simulate, analyse, optimise and interpret the data.*
5. *Write a research article and identify the correct journals/conferences for the possible publication.*

### **The Outcome of the Workshop**

The efforts of the participants under the due guidance of the resource person resulted in some of the quality publications, as mentioned below.

1. Rahul Pandey, Anu Singla, Jaya Madan, Rajnish Sharma, and Rishu Chaujar. "Toward the design of monolithic 23.1% efficient hysteresis and moisture free perovskite/c-Si HJ tandem solar cell: a numerical simulation study." *Journal of Micromechanics and Microengineering* 29, no. 6 (2019): 064001.
2. Jaya Madan, Rahul Pandey, Rajnish Sharma, and Rishu Chaujar. "Investigation of electrical/analog performance and reliability of gate metal and source pocket engineered DG-TFET." *Microsystem Technologies* (2020): 1-13.
3. Jaya Madan, Rupinder Kaur, Rajnish Sharma, Rahul Pandey, and Rishu Chaujar. "Electrical Characteristics Assessment of Gate Metal and Source Pocket Engineered DG-TFET for low Power Analog Applications." In *2018 IEEE Electron Devices Kolkata Conference (EDKCON)*, pp. 358-362. IEEE, 2018.
4. Navneet Arora, Rahul Pandey, Rajnish Sharma, Jaya Madan, and Rishu Chaujar. "Parametric Variation of ZnSe/TiO<sub>2</sub> Electron Transport Layer Based Perovskite Solar Cell: A Simulation Study and Optimisation." In *2018 IEEE Electron Devices Kolkata Conference (EDKCON)*, pp. 428-432. IEEE, 2018.
5. Rupinder Kaur, Jaya Madan, Rajnish Sharma, Rahul Pandey, and Rishu Chaujar. "Capacitive Analysis of Hetero Material Gate PNIN-DG-TFET Over Diverge Temperature Range for Superior RF/Microwave Performance." In *2018 IEEE Electron Devices Kolkata Conference (EDKCON)*, pp. 252-257. IEEE, 2018.
6. Anu Singla, Rahul Pandey, Rajnish Sharma, Jaya Madan, Kanwardeep Singh, Vinod Kumar Yadav, and Rishu Chaujar. "Numerical Simulation of CeO<sub>x</sub> ETL based Perovskite Solar Cell: -An Optimisation Study for High Efficiency and Stability." In *2018 IEEE Electron Devices Kolkata Conference (EDKCON)*, pp. 278-282. IEEE, 2018.





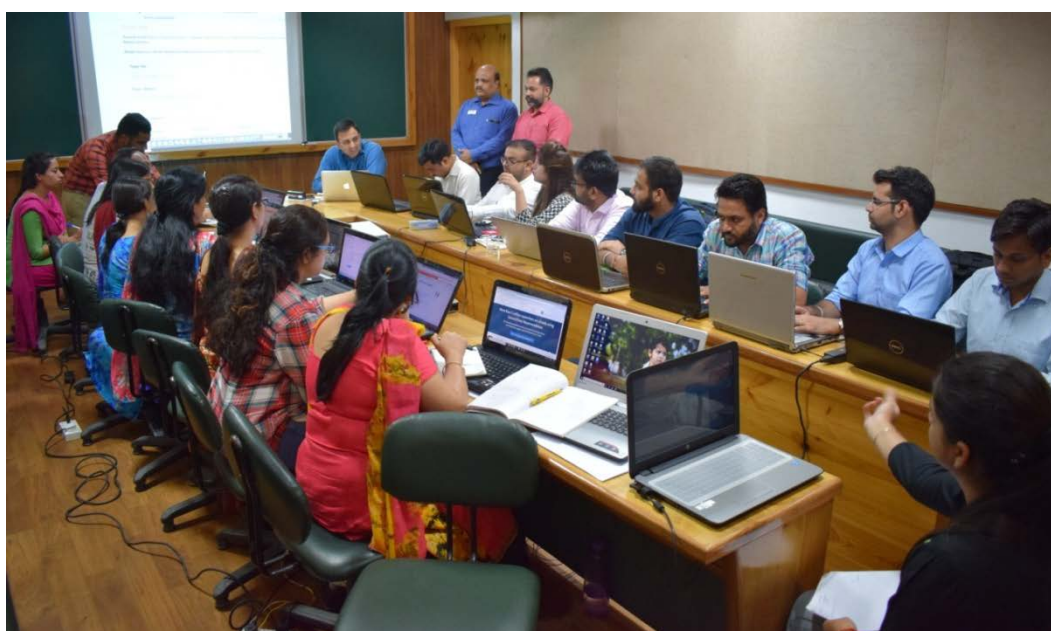
*Workshop on State of Art Electronic Circuits/Devices and Their Applications, Photonics*

## **Workshop on Network Security and Project Based Multidisciplinary Innovation and Research**

**Date: 25<sup>th</sup> June to 6<sup>th</sup> July, 2018**

**Workshop on Network Security and Project Based Multidisciplinary Innovation and Research** was organized from 25<sup>th</sup> June to 6<sup>th</sup> July, 2018 and conducted by Dr. S.N.Panda, Mr. Rajesh Kaushal, Dr. Jagpreet Sidhu and Mr. Naveen Kumar to promote research culture among the participants. The resource persons shared their expertise and motivate the participants to get their work publish in reputed journals. The participants learned the research ethics, manuscript writing skills and research tools like Mendeley to cite the work properly. 25 faculty members participated in the workshop. The nature master classes were also introduced to participants to understand "What makes a good paper?" The highlights of the workshop as follows:

- Project writing
- Research funding opportunities
- Writing quality research papers
- Formatting manuscript and managing referencing using Mendeley
- Patent filing procedure
- Identifying the right journal
- Tools for producing high quality images for research papers.





## **Workshop on Software Engineering Research, Vehicular Ad hoc Networks (VANETs), Wireless Sensor Networks**

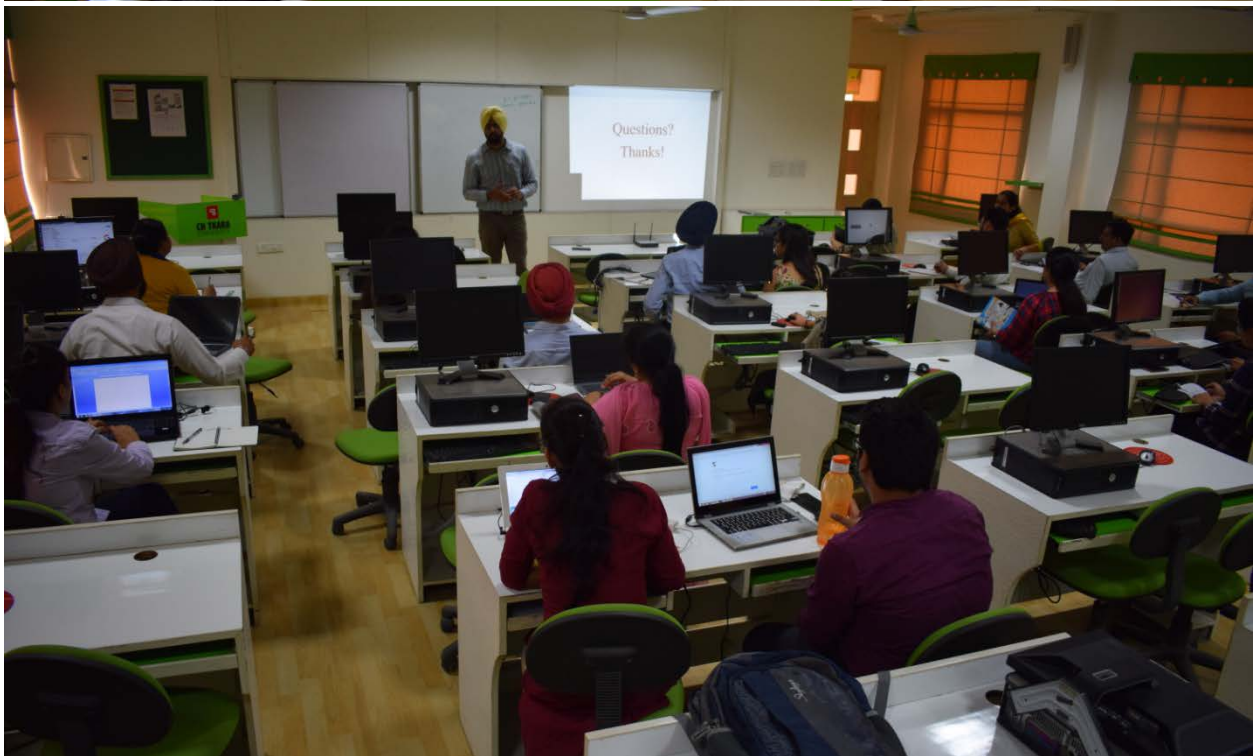
**Date: 25-06-2018 to 06-07-2018**

**Resource Person(s):** *Dr. Jaiteg Singh, Dr. Meenu Khurana, Dr. Amandeep Kaur Bhullar*

The quality and quantity of a researcher's publications provide a key measure of research productivity. Most researchers aim to do high-quality research and intend to publish the research findings in reputed journals. For a good publication, manuscript must be free from any shortcoming. However, to aware of such shortcomings is the hardest part of research for doctoral/young scholars. There are several types of research manuscripts such as short communications, letters, review papers and full articles etc from each discipline of engineering and sciences. The workshop on **Software Engineering Research, Vehicular Ad hoc Networks (VANETs), Wireless Sensor Networks** was organised to enable the participants to identify the shortcomings and challenges in their domains and to offer helpful guidelines/solutions to prepare more impactful manuscripts.

The workshop was designed to address the research-related queries of a broad category of audience which included novice researchers to those having some experience in research. Total no. of 33 faculty members, scholars participated in the workshop. Furthermore, the researchers were given important tips for presenting their research work in the form of research documents which prominently includes research articles, short communications and sometimes theses too. The participants were given various tasks that primarily included the various steps of research work. The tasks were allocated in a manner that the collective outcome of those tasks yield a research article. By the end of the workshop, the participants were able to understand the various steps and methodologies of research, with manuscripts of 21 research articles ready for communicating to journals or conferences for publications.





***Workshop on Software Engineering Research, Vehicular Ad hoc networks (VANETs), Wireless Sensor Networks***

## **Workshop on Pattern Classification**

**Date: June 25 – July 6, 2018**

Pattern Classification workshop was organized by CURIN, Chitkara University, Punjab from 25<sup>th</sup> June 2018 to 6<sup>th</sup> July, 2018. The workshop conducted on different domains to recognize or classify patterns. The workshop was manuscript preparation oriented. First two days described the different stages involved in Pattern recognition in detail. The participants opted different domains to analyze patterns. The different manuscripts were under the following domains:

- a) Prediction of nutrients in soil for analysis
- b) To predict students at-risk in education domain.
- c) To prioritize important biomarkers in cardio-renal diseases
- d) Generalized algorithm development on the basis on active learning to classify patterns.
- e) To predict reviews for restaurants
- f) Designing a Green Data Processing Device using different I/O Standards on FPGA

**Resource Person and convener:** Dr. Anshu Singla, Chitkara University, Punjab

**No. of Attendees:** 13

As per domain selected, literature was studied and the hands-on on basic algorithms based on machine learning to analyze patterns were given. Further, data collection and implementation was performed. Results were inference for each article framed. Research writing tips were presented to structure the article in effective manner, to reduce orthographical errors and similarity index. Finally, the manuscripts were communicated. Thirteen participants attended the workshop and eleven manuscripts were prepared and communicated successfully.



***Workshop on Pattern Classification conducted from 25th June, 6th July, 2018***



## **WORKSHOP ON MENTORING AS A PROFESSIONAL DEVELOPMENT TOOL**

**Dated: 25 June to 5 July 2018**

Workshop on **Writing Research Papers** was organized for 10 days -**25 June to 5 July 2018**. The sub theme of the workshop was '**Mentoring as a Professional Development Tool**'. The workshop was witnessed participation of 25 faculty members.

The objective for workshop was:

1. To search literature on mentoring.
2. To improve writing skills required for publishing a research article.
3. To convert into writing with low similarity index after reading, comprehending and summarizing content from articles.
4. To become familiar with the steps for publishing a research articles
5. To master the skill of critical analysis of articles.

**Day 1** of workshop started with a welcome address by Dr. Sangeeta Pant, Resource Lead, Dean, Chitkara College of Education. First day of workshop focused on learning objective, programme overview and selection of Journal for publication. Session on stage of learning and introduction to visual output was taken by Ms Sovia R J Singh, Dean Chitkara School of Languages. Dr Harmeet kaur, Principal, Chitkara College of Nursing took the session on Research search strategy.

**Day 2:** focused on the overview of research process presentation, team dynamics, journal club presentation and How to write Introduction of research paper by Dr Sangeeta Pant, Dr Harmeet and Ms Sovia RJ Singh, Dr Harmeet also gave overview of Mendley software. The day concluded with Journal club presentation by group members.

On day 3, resource person- Dr.Preethi Pradhan, conducted expert sessions on Writing a good literature review and tips for reducing similarity index. Writing time was given to participants and resource persons had given feedback to each group.

Dr Preethi Pradhan shared the importance of group dynamics for writing joint research papers. She also explained the importance of first author, Corresponding authors and other authors.

Day 4 ,5 and 6 of the workshop had vivid expert sessions on framing objectives, hypothesis and sampling, basics of statistical analysis ,validity and critical analysis by Dr Sangeeta Pant and Dr



Harmeet Kaur. Journal club presentation group no 2 was monitored by Ms Sovia Raj.

Dr. Sangeeta Pant lead the session on day 7 on 'Research paper submission formalities on Journal and role of Reviewers. Journal club presentation group no 3, feedback was given by Dr Preethi Pradhan.

Day 8, and 9-The participants had the chance to present their work in journal club presentation .First draft of introduction, literature review, methodology were prepared by the participants.

Day 10: On the Concluding day, peer group feedback and resource persons feedback session was conducted. Group presentation was also done. Valedictory function was organized and resource leads and participants had shared their learning experiences.

All the participants appreciated the efforts of resource persons and applauded them for their respective engaging and fruitful sessions.





*Workshop on Mentoring as a Professional Development Tool 25th June, 6th July, 2018*

## **Workshop on Research Methods: A Skill Building Approach**

**Date: 25-06-2018 to 06-07-2018**

**Resource Person:** *Dr. Amit Mittal*

Two-week workshop on “**Research Methods: A Skill Building Approach**” introduced and discussed alternative approaches to research from 25 June to 6<sup>th</sup> July, 2018 at Chitkara University, Punjab. The workshop has been designed to cover a variety of disciplines, contexts and seeks to address the nuances of different research techniques. The broad objective of the workshop was to ensure that students and faculty members alike should become effective researchers and solve real world problems. The idea was to look at research as a practical skill given that there is a lot of theoretical research which never benefits the intended audience. 45 research scholars and faculty members from Business School and others department attended the workshop.

The workshop shall use numerous examples, exercises and case studies to relate with the attendees belonging to different levels of understanding. The workshop included sessions on the following:

- Introduction to research
- The scientific approach and alternate approaches to investigation
- Defining the problem and critically reviewing past literature
- Model building, theoretical framework and hypotheses development
- Data collection and sampling techniques
- Measurement and data analysis
- Report writing
- Publishing in reputable peer reviewed journals (extended session)

The biggest highlight of the workshop was the discussions around how to get your manuscript published in a top quality journal. These discussions discussed how to target top journals, formatting requirements, and some “dos and don’ts”. Another highlight was that the resource persons shared their own research and conducted the sessions in a very hands-on and practical manner. This was done to ensure that the workshop lived up to its title: “a skill-building approach”. Towards the end of the workshop, it is hoped that the participants shall find research stimulating, practical and unintimidating.





***Workshop on Research Methods: A Skill Building Approach***