- **Faculty Achievements (School/College Wise)**

S. No.	Name of Faculty	Achievement
1	Mr. Rajesh Kaushal Mr. Naveen Sharma	Jointly organised 24th National Children's Science Congress with Punjab State Council for Science & Technology, Chandigarh (PSCST) during November 26-28, 2016 for the focal theme: "Science, Technology & Innovation for Sustainable Development with Special Emphasis on Accessibility for Persons with Disability".
2	Mr. Rajesh Kaushal Mr. Naveen Sharma	Millennium Alliance Grant of INR 20 Lakh for research project titled "Smart and Portable Intensive Care Unit".
3	Mr. Rajesh Kaushal	Research paper titled "Performance Evaluation of Big Data Frameworks: Map Reduce and Spark" published in 2nd International Conference on Intelligent Communication, Control and Devices (ICICCD-2017) on April 15-16, 2017 by Mr. Jaspreet Singh and Rajesh Kaushal.
4	Mrs. Deepika Chaudhary	2 days workshop organised on IoT (March 3-4, 2017) at Chitkara University
5	Mr. Rajesh Kaushal	Received the **Most Enterprising Award** by Dr. Ashok Chitkara, Hon'ble Chancellor of Chitkara University on April 29,2017.
6	Mrs. Deepika Chaudhary	Received the **Most Committed Teacher Award** by Dr. Ashok Chitkara, Hon'ble Chancellor of Chitkara University on April 29,2017.
7	Mr. Preetinder Singh Brar	Presented paper in Chitkara University Doctoral Consortium (CUDC-2017) at Chitkara University on May 13, 2017.
8	Mrs. Deepika Chaudhary	Presented paper in Chitkara University Doctoral Consortium (CUDC-2017) at Chitkara University on May 13, 2017.
9	Mr. Rajesh Kaushal	Presented paper in Chitkara University Doctoral Consortium (CUDC-2017) at Chitkara University on May 13, 2017.
10	Mr. Naveen Sharma	Presented paper in Chitkara University Doctoral Consortium (CUDC-2017) at Chitkara University on May 13, 2017.
11	Mr. Ravinder Singh	Presented paper in Chitkara University Doctoral Consortium (CUDC-2017) at Chitkara University on May 13, 2017.

PUBLICATIONS/BOOKS

International/ National Conferences

✓ Singh Jaspreet, **Kaushal Rajesh**. "Performance Evaluation of Big Data Frameworks: Map Reduce and Spark", International Conference on Intelligent Communication, Control and Devices (ICICCD-2017) April 2017.

Expert Talk Delivered by Faculty

S. No.	Name of Faculty	Topic of Lecture	Date	Venue
1	Mr. Rajesh Kaushal	Internet of Things (IoT)	March 15-16, 2017.	Department of Computer Science & Engineering, Kurukshetra University, Haryana
2	Mr. Naveen Sharma	Internet of Things (IoT)	March 15-16, 2017.	Department of Computer Science & Engineering, Kurukshetra University, Haryana

Workshops/IOHC/Seminar Attended by Faculty

S. No.	Name of Faculty	Name of Workshop/ STTP/ IOHC/ Seminar	Date	Venue
1.	Mr. Vikas Rattan	Internet of Things (IoT)	March 3-4, 2017	Chitkara University

- ## **Workshops/IOHC/Seminar Organized by Faculty**

S. No.	Title	Date or Duration	Resource Person
1	Application Development Using Python & QT Designer" in CSI Convention	March 3-4, 2017	Mr. Rajesh Kaushal
2	Internet of Things	March 3-4, 2017	Mrs. Deepika Chaudhary
3	CSI Punjab State Student Convention 2017	March 3-4, 2017	Mr. Naveen Sharma Mr. Jaswinder Singh
4	Workshop on Tally	September 23-24, 2016	Mr. Maninder Jit Singh Khanna
5	Diluting Stress	September 27, 2016	Mr. Vikas Rattan

- ## **Student Achievements (Academics)**

S. No.	Name of Student	Event/Project	Achievement (Position/ Medal)
1			
2			
3			
4			

List of students gone for Semester Exchange program

S. No.	Name	Roll No.	Branch	Sem	University	Duration
1	Jagjit Singh	1410992170	BCA-MCA	5	Kinki University, JAPAN	September 2016 - February 2017
2	Ankush Dadwal	1410992163	BCA-MCA	5	Kinki University, JAPAN	September 2016 - February 2017

- ## **Students Achievements in Co-curricular Activities** ==(Do Not Mention if it is within the University)==

S. No.	Name of Student	Activity Name	Achievement (Position/Medal)	Date of Activity	Place of Activity
1	Kartik Sharma	Chandigarh State Roller skating Championship	1st	January 6-8, 2017	Chandigarh
2	Kartik Sharma	54th National Roller Sports championship – Roller/Inline Hockey	4th	January 26-29, 2017	Jodhpur

Co-Curricular Activities

Cultural Events

Induction and Orientation Program (August 19, 2016)

A formal **Induction and Orientation Program** for CA students of Batch 2016 was organized by the Department of Computer Applications on **August 19, 2016.** Mr. VikramMangla, Associate Professor, Deputy Dean, Department of Computer Applications, welcomed the freshers and their parents to the folds of the Chitkara University, and gave an overview of the Department. This was followed by an inspirational address by Dr. MadhuChitkara, Hon'ble Vice Chancellor,Chitkara University, Punjab through which she guided the students in the direction of becoming a successful professional and wished the students a fruitful learning experience at the University.

Freshers' Party (September 10, 2016)

Freshers' Party -2016 was organized on September 10, 2016 under the banner of Matrix Club by the Department of Computer Applications to welcome the new students of MCA and BCA programs. The party commenced with a ramp walk, Quest Royale, wherein the students participated in best of their attire. The senior students presented an array of cultural events to welcome their juniors to the campus.

MsBhavya and MrSahil :   Ms. Fresher and Mr. Fresher   MCA
Ms. TeenaGaba and   Ms. Fresher and Mr. Fresher   BCA
Mr. Shivam Sharma

Engineer's Day - A Tribute to Bharat Ratna Sri M. Visvesvaraya
(September 15, 2016)

Computer Society of India (CSI) under the aegis of Department of Computer Applications, commemorated Engineer's Day on September 15, 2016 as a remarkable tribute to one of the finest engineers of India - Bharat RatnaEr. M. Visvesvaraya . The event took off with lamp lighting ceremony by Colonel Rakesh Sharma (Associate Director, Administration), Mr. Pawan Mehta (Associate Director, Office of Information Technology) , Mr. VikramMangla (Deputy Dean, Department of Computer Applications), and Mr. Preetinder Singh Brar (Program Incharge , Department of Computer Applications). This was followed by presentations by students of the department, wherein they shared information on the theme topic of "Skill Development for Young Engineers to Reform the Core Sector: Vision 2025". Another presentation on Information and Communication Technology (ICT) that was presented by students received appreciation from the audience. The student presentations were followed by an expert talk by Mr. Pawan Mehta on ICT wherein he discussed about the impact of information and communication technology on work productivity at offices and homes, and how it can have a lasting impact on the personal lives of the users. The event was quite successful and was taken on a positive note by the guests and the audience.

Expert Talk on DILUTING STRESS by Prof. E. V. Swaminathan (September 27, 2016)

Stress management is life management. If you take control over your stress, your life will thank you for it!... And that's the lesson the audiencelearnt as an outcome of Expert Talk on Diluting Stress that was organised by Department of Computer Applications on September 27, 2016 for students of the MCA and BCA. A few students from other departments also attended the talk. With Bernoulli Hall packed to capacity, the talk was delivered by Prof. E.V. Swaminathan, who is an eminent teacher, trainer, counsellor and consultant, and an awardeeof the Sunrise Peace Award, Award of Excellence and Nation Builder Award. He has conducted sessions on stress management, emotional engineering, the art of leadership, empathic communication, etc. for students and teachers of over 150 universities and colleges across the country, and has also conducted such sessions for the Indian Armed Services. His talks are aimed at making the people to understand the purpose of their lives.

Prof. Swaminathan, in his talk highlighted that attaining happiness should be the most important desire of one's life. With narration of a few anecdotes, he kept the session quite interactive, and the students, as well as the faculty members participated with enthusiasm.

Reminisce of Ancient Management: Panchatantra (October 5, 2016)

Department of Computer Applications, Chitkara University, Punjab, organized an expert talk on the topic Panchatantra- Practicing Ancient Wisdom Of Indian Management on October 05, 2016. The talk was organized with an objective of inculcating vedic values in the students and to make them understand the significance of our ancient wisdom in the present scenario. The keynote speaker, Dr. Sangeeta Pant, Dean, College of Education, ChitkaraUnversity, Punjab, gave an insight into various Panchatantra epics and highlighted the teachings of Pandit Vishnu Sharma, the author and creator of Panchatantra. The talk was primarily organized for first year students of both MCA and BCA who enjoyed and learned from the same.

Excuberanza-2017 (Janauary 24, 2017)

Excuberanza 2017 – a literary event comprising of three competitions was organized by the Department of Computer Applications, School of Computer Sciences, Chitkara University, Punjab. The three events organized under the banner of Excuberanza-2017 were

1. Multimedia presentation competition

2. Poster-making competition

3. Quiz on General Knowledge

The theme for multimedia presentations and poster-making competitions were **Demonetization** and **Defence Forces**. All participating teams put in hard labour to prepare the presentations and were able to showcase not only their mastery preparing multimedia presentations, but they also depicted effectively the perceived outcomes of Banning /taking back of a currency unit of its status as legal tender announced by Sh. Narendra Modi. A few presentations depicted the positive changes ushered in the economy while some presentations depicted the other side of the coin through pictures, and relevant data. Ankit (BCA-MCA (I) – 2) and Abhinav & Avikunj (BCA-2) were awarded the first prize in multimedia presentation competition.

The entries in poster-making competition also received appreciation by the judges and other guests. The competitors tickled their grey cells and came up with their own unique picture to depict one of the two themes in an impressive manner. Vinay (MCA-2) was awarded the first prize in poster-making competition.

The third activity – Quiz on General Knowledge – received overwhelming response with 28 teams registering for the same. The quiz comprised of multiple rounds, with each round seeing the elimination of some teams. The Quiz was won by the team from MCA-2 comprising Amit and Arun.

Dr. Jaiteg Singh (Professor, CURIN), Mr. Preetinder Singh Brar (Associate Professor, Department of Computer Applications), and Mr. Vikas Rattan (Associate Professor, Department of Computer Applications) and Mr. Jaswinder Singh (Assistant Professor, Department of Computer Applications) presided over the event as judges. The effort of the participants was lauded by the guests from various departments of the campus. Mr. Vikram Mangla, Dy. Dean, School of Computer Applications gave away the prizes to the winning teams. He congratulated the winners and also appreciated other participants for the time and effort put in by them for preparing the presentations.

Educational Tour on Occasion of World Heritage Day (April 18, 2017)

Department of Computer Applications, Chitkara University, Punjab commemorated World Heritage Day, wherein an educational tour was organised by the Matrix Club on April 18, 2017. A group of 60 students of BCA,accompanied by three teachers visited Gurdwara Shri Fatehgarh Sahib and Fateh Burj as part of the said educational tour.

The tour helped to sensitize the students about the richheritage of the Sikh religion, including the heroic acts, selfless deeds and poignant saga of the Sikhs. The tour proved fruitful in inducing respect for all religionsamongst the students. The students also admired the magnificent architecture of Fateh Burj. All students and faculty members enjoyed the tour and carried back some good memories in the form of great experience that they had during the tour.

International Disaster Reduction Day (October 13, 2016)

The International DisasterReduction Day, observed on the 13th day of October every year, is a way to promote a global culture of risk-awareness and disasterreduction, and includes disaster prevention and mitigation. It also helps assess the preparedness of the governments at various levels across the globe, and also educates the individuals regarding the same.

The Department of Computer Applications, Chitkara University, Punjab has also done its bit in this direction by educating the society through dissemination of information about the disasters, and about the ways to tackle the tough situations that arise thereof. The seminar on traffic rules and fire safety were organized on the day. ASI Gurbaj Singh, Traffic Education Cell Police, Patiala delivered the lecture on traffic rules and guided the students to obey the traffic rules. The demonstration session was organized in the ground near Newton block where the use of fire extinguisher and hydrant system was demonstrated by the Mr. Beant Singh, Security Officer, CUP.

The scheduled activities for the day are as below:
1. Tree Plantation Drive (0930 hrs. onwards)
2. Awareness presentation by students(1000 hrs. to 1100 hrs.)
3. Seminar on traffic rules and fire safety(1100 hrs. to 1200 hrs.)
4. Demonstration of using fire extinguisher and hydrant system

TECHNICAL EVENTS

Stimulus for Higher Education: Paper Club (August 6, 2016)

Department of Computer Applications, Chitkara University, Punjab Campus organised an expert talk on Policies and Procedures for Pursuing Higher Education on August 06, 2016. The talk was delivered by Prof. (Dr.) Pankaj Kumar, Coordinator, Ph. D. Programme, Chitkara University, Punjab, and Prof. (Dr.) Jaiteg Singh. The talk was organised with an aim to bring about a sense of awareness amongst the faculty members of the Department of Computer Applications regarding the various rules and procedures set up at the Chitkara University, Punjab for pursuing Ph.D. and Master of Engineering programmes. The basic requirements for the same were discussed and the queries of the participants were addressed to by the speakers. Ms. Deepika Chaudhary, Associate professor, felicitated the speakers. The session turned out to be quite informative and the attendees expressed their desire to explore the aspect of taking up further research programmes at Chitkara University.
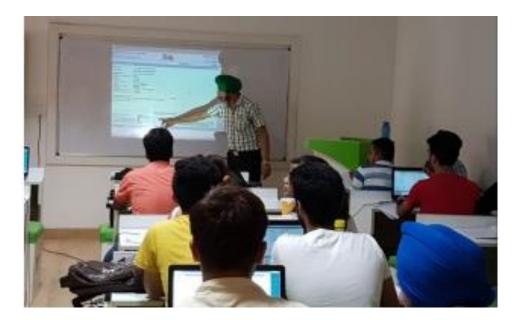
Expert Talk: Mobile Application Development (September 23, 2016)

An Expert Talk was organised for the students of MCA and BCA on **September 23, 2016.** Ms. Anuradha Bhardwaj, Android Developer, SLR Infotech, Chandigarh, had been invited as the resource person. The speaker touched upon various technologies and platforms available today, their market share, and also the opportunities and job openings available in those technologies. The speaker brought to the fore the key differences and similarities between the two most widely used mobile application development platforms, viz. the Android and the iOS platforms, and shared her experiences and views on the potential of mobile app development as a career option. The session proved to be quite fruitful. Being an interactive session, the students had a chance to interact with the mobile app developer from the industry, who provided reasonable replies to the queries posed by the students regarding the choice of technologies as career options.

Workshop On Tally (September 23-24, 2016)

Department of Computer Applications, Chitkara University, Punjab Campus organized two-day workshop on "Understanding Tally.ERP9"on 23-24 September, 2016. Mr. Maninder Jit S. Khanna, Associate Professor, Department of Computer Applications conducted the session. The workshop was attended by students of BCA and BCA-MCA Integrated. 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. The session was indeed informative and the participants were quite receptive to the ideas shared by the speaker.

Workshop on Collaborative Learning in C++ (September 26, 2016)

It was organized under Student Chapter of Computer Society of India (CSI) on September 26, 2016 with an objective to stimulate programming skills among students using collaborative learning. The workshop was unique in the sense that it involved collaboration between the faculty members and the students. The workshop provided an opportunity to some of the students to step into their teachers' shoes, and deliver lectures to their peer group, under observance of the teachers. The workshop concluded on a successful note with students getting to the depth of the topics discussed by them in class.

Techtrendz : A Hostel Activity (October 4,2016)

Computer Society of India (CSI) student chapter, under the aegis of Department of Computer Applications, organized an event named 'TECHTRENDZ' for hostellers on 4th Oct 2016. Being a technical event, speakers provided information about latest trends and innovations in information technology. Mr. Dalveer Singh and Mr. Himanshu Singh, BCA , gave an interactive talk on the topics of Wolfe, Biometric, Six Sense. Event held with gathering of around 60 students of various streams. Presentations were followed by a quiz and prizes to the winners were distributed by the wardens and event organizers. Students participated with enthusiasm and really appreciated the event.

Expert Talk on Selenium Webdriver (April 12, 2017)

Computer Society of India (CSI) under the aegis of Department of Computer Applications, organized an expert talk on *Selenium Webdriver* for MCA students. Mr. Harpreet from Bebo Technologies, Chandigarh took practical session on the same. The participants got an opportunity to perform hands-on installation of various automation testing tools, using firebug and firepath add-ons. The participants also got basic start-up lessons on writing scripts for automation testing using Selenium Webdriver.

CSI State Level Student Convention 2016 (March 3-4, 2017)

A two-day CSI Punjab State Student Convention was hosted on March 3-4, 2017 by the Department of Computer Applications, under the aegis of Computer Society of India, Chandigarh Chapter. The primary theme of the convention was Digital Connectivity & Social Impact. The convention comprised of following events:

* Workshop on Application Development Using Python and QT Designer
* Workshop on Cognition of Network Protocols and Security
* Workshop on Rapid Web Applications Development using Content Management System (Wordpress)
* Workshop on Internet of Things (IoT)
* Prashnotri (Technical Quiz)
* CODEX (Coding Event using C++)
* Poster Presentation (Digital Connectivity & Social Impact)
* Gameeks (NFS and FIFA)

Dr. MadhuChitkara, Vice Chancellor, Chitkara University, Punjab attended the inauguration of the CSI Punjab State Student Convention, and applauded the efforts of the faculty and students of Department of Computer Applications for organising the event. Senior dignitaries from the Computer Society of India also attended the inauguration ceremony. Mr. Shiv Kumar, Regional Vice President, Region-I, CSI was the chief guest on the opening day. Mr. D. S. Chhabra (President, CSI Chandigarh Chapter), Mr. D.N Mishra (Ex-Vice President, CSI Chandigarh Chapter)also graced the occasion. Mr. Maninder Singh (CSI State Student Coordinator, Punjab) delivered the keynote address.

The convention received overwhelming response from the students of various colleges of the Punjab State, with about 170 entries in total, of which 72 entries were from other institutions.

The convention provided a chance to one of our alumni Mr. Varun Sharma, CEO, Tech Labs, to come back to his alma mater… this time to conduct a workshop as lead resource person on Rapid Web Application Development using Wordpress.

All workshops received a very good response by the participants, who gave a positive feedback of the same. The participants said that such workshops were not being organized by other institutions in the state, and that they were glad to have attended the workshops at Chitkara University campus. Other events also received huge response, with students competing with each other to attain the winning position.

Mr. Saurabh Agrawal, Regional Student Coordinator, Region-I, CSI visited the Chitkara University campus on the second day. He visited the sites of events and interacted with the students of various colleges. He expressed satisfaction over the conduct of the convention, and suggested that such events can be conducted at regional level in future with students participating from educational institutions from various states of Northern India. He also assured of all support from the CSI for organising regional-level convention. Mr. Saurabh Agrawal also delivered the valedictory

speech at the concluding session of the student convention, wherein he applauded the efforts put-in by the Department of Computer Applications, Chitkara University, Punjab for hosting the student convention. Mr. Agrawal also honoured the winners of various competitions.

The convention concluded with a vote of thanks by Mr. Preetinder Singh Brar, Pogram Incharge, Department of Computer Application

Industrial Visit to Infosys (September 19,2016)

An industrial visit was organized by Department of Computer Applications, School of Computer Sciences, under CSI Student Chapter on September 19, 2016 wherein 52 students and 3 faculty members Mr. Jaswinder Singh, Ms. Vandana Bajaj and Ms. Preetjot Kaur from Department of Computer Applications, and Computer Science & Engineering visited Infosys, Chandigarh Centre. The students attended the Infosys SPARK session, conducted by Resource person Mr.Kanwarpreet Singh on the topic "Software and Automation Testing". Mr. Kanwarpreet talked about various testing principles and methodologies which are being applied at Infosys nowadays. The speaker emphasized that Software Testing has emerged as one of the key areas where students can build their career in industry. He also discussed regarding current IT trends, how to get placement, mantras for success and answered number of queries posed by the students. Students enjoyed the visit and gained new experience by learning the industry culture and trends. The visit was planned & coordinated by Ms. Deepika Chaudhary.

Industrial Visit to Solitaire Infosys (January28, 2017**)**

An industrial visit was organized by Department of Computer Applications, School of Computer Sciences on January28, 2017 wherein 40 students and 2 faculty members Mr. Naveen Sharma, Mr. Jagwinder Singh from Department of Computer Applications visited SolitareInfosys, Mohali.

The students attended the session, conducted by the Resource person Mr.Yogesh on the topic "Scope of Java Programming". Mr. Yogesh talked about various applications of Java used in Industries. Another Session on "Latest Trends and Technologies" was taken by Ms. Manisha. She also discussed regarding current IT trends, how to get placement, mantras for success and answered number of queries posed by the students. Students enjoyed the visit and gained new experience by learning the industry culture and trends.