
















- Brief Write-up of the school/College**

Computer Application programs were initiated in the year 2006. The primary objective of the programs is to provide a foundation of computing principles and business practices for effectively using/managing information systems and enterprise software. The Department of Computer Applications has been imparting instruction with the most modern curriculum and syllabus to students of the post graduate and graduate courses. The department's endeavor is to play a vital role in the applications of computers by promoting work in the field of latest technologies like Android App Development, Python, Software Engineering, Operating System and Business intelligence. The Department is committed to providing an exciting academic program to prepare students for the greatest challenges of the 21st century.

- Academic Excellence**

Position/Batch	First	Second	Third
<b>BCA Batch-2013</b>	 Name: Navleen Kaur CGPA: 9.08	 Name: Simran Bindal CGPA: 8.78	 Name: Akshay Gaba CGPA: 8.57
<b>BCA Batch-2014</b>	 Name: Neha Vohra CGPA: 9.23	 Name: Kanika Jain CGPA: 8.89	 Name: Priyanka Saini CGPA: 8.78
<b>BCA Batch-2015</b>	 Name: Ishan Pradhan CGPA: 9.31	 Name: Srishti Gulati CGPA: 9.31	 Name: Harsh Jatawat CGPA: 9.14
<b>MCA Batch-2014</b>	 Name: Lovish Sharma	 Name: Himanshu	 Name: Rahil

	CGPA: 8.82	Gupta CGPA: 8.39	CGPA: 8.35
<b>MCA Batch-2015</b>	 Name: Neha Garg CGPA: 9.41	 Name: Harji Harpreet Kaur CGPA: 9.38	 Name: Gurvinder Singh CGPA: 9.26

- Faculty Achievements (School/College Wise)**

S. No.	Name	Achievement
1	Prof. Vikram Mangla Ms. Arzoo Dhiman	Filed a patent titled "Portable Human Recognition Device" (PATENT FILING NUMBER: 3134/DEL/2015) on 30 Sept, 2015
2	Mr. Jatinder Ashta	Scored A+ Grade at Faculty Enablement program (Foundation Program 4.0) Infosys Chandigarh DC from 4 Jan-9 Jan, 2016.
3	Mr. Naveen Sharma, Mr. Rajesh Kaushal	Patent titled "PORTABLE AND SMART INTENSIVE CARE UNIT" published in WIPO (World Intellectual Property Organization) on 10/3/2016. Publication no: WO/2016/035098. Internation App. no. PCT/IN2015/000346.
4	Ms. Deepika Chaudhary	Awarded Best Paper Award in Computer Science & Engineering Domain at "International Conference on Advancements in Engineering & Technology " held on 18th & 19th March 2016 at BGIET, Sangrur.
4	Ms. Nishu Bali, Mr. Rajesh Kaushal, Mr. Jatinder Astha	Qualified JAVA certification programming Level-1. Test held on 13-May, 2016 .

- PUBLICATIONS/BOOKS**

**Books**

**International/National Journals**

- ✓ Sharma Taruna, "Smart Cane using ultrasonic system for visually frailed people", IJRIT Volume3, Issue 8 Pg No. 174-179, August, 2015 ISSN 2001-5569.

## International/ National Conferences

### International Conferences

- ✓ Bhullar Amandeep, "Provocation and Obstacles in QoS of Web Services", Advances in Management and Technology, 18 December, 2015.
- ✓ Chaudhary Deepika and Singh Jaiteg, "Design of Mobile Ontology for optimized searching in online shopping websites", Advancements in Engineering & Technology, 18 -19, March 2016.

### National Conferences

- ✓ Bhullar Amandeep , "Maintainabilty in Component Based Software Engineering", Future Patterns in Information Technology, 4 December, 2015.
- ✓ Sareen Bhavna, "Algorithm to prevent wind turbine blade fatigue from icing condition" , Modeling and Reliability Analysis of Electrical Systems", 29 - 30 January, 2016.

### • Expert Talk Delivered by Faculty

S. No.	Name	Topic	Date	Venue
1				
2				

### • Invited Lectures Organized

Sr. No	Resource person	Industry /Academic /R&D	Date	Topics
1	Madhav Netra Bank	Industry	29 January, 2015	Education for vision impaired people through Digital Library
2	Dr. S.N.Panda	R&D	19 January, 2016	Kinect Sensor
3	Mr. Piyush Sohal, Mr. Prince	R&D	19 January, 2016	ARDUINO MICROCONTROLLER
4	Mr. Ashish Aggarwal, Sr. Software Engineer	Quark, Chandigarh	18 February, 2016	Java Using Eclipse
5	Technogyam- A Digital	Industry	7 - 8 April, 2016	Mr. Devender Kumar

	Marketing Workshop			Technospecies Global Solution & BRCA IIT Delhi
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• **Workshops/IOHC/Seminar Attended by Faculty**

S. No.	Name	Name of Workshop/ STTP/ IOHC/ Seminar	Date	Venue
1.	Mr. Maninderjit Singh Khanna	Workshop On Education Leadership And Time Management	1 - 2 July, 2015	Chitkara University
2.	Mr. Vikram Mangla	Workshop On Leadership & Time Management	1 -2 July, 2015	Chitkara University
3.	Ms. Taruna Sharma	Workshop On Education Leadership And Time Management	1 - 2 July, 2015	Chitkara University
4.	Mr. Naveen Kumar	Education Leadership And Time Management	1 -2 July, 2015	Chitkara University
5.	Ms. Neelam Rani	Workshop On Education Leadership And Time Management	1 -2 July, 2015	Chitkara University
6.	Ms. Neha Goyal	Education Leadership And Time Management	1 -2 July, 2015	Chitkara University
7.	Ms. Arzoo	Education Leadership And Time Management	1 -2 July, 2015	Chitkara University
8.	Ms. Amandeep	Education Leadership And	1 -2 July, 2015	Chitkara University

	Bhullar	Time Management		
9.	Ms.Deepika Chaudhary	Workshop On Outcome Based Education	6 -8 July, 2015	Chitkara University
10.	Mr.Jaswinder Singh	Refreshment Course In Learning Technologies	6 -8 July, 2015	Chitkara University
11.	Mr.Maninderjit Singh Khanna	Workshop On Outcome Based Education	6 -8 July,2015	Chitkara University
12.	Mr.Preetinder Singh Brar	Refreshment Course On Learning Technologies	6 -8 July, 2015	Chitkara University
13.	Mr.Vikram Mangla	Workshop On Outcome Based Education	6 - 8 July, 2015	Chitkara University
14.	Ms.Vandana Bajaj	Outcome Based Education	6 - 8 July, 2015	Chitkara University
15.	Ms. Arzoo	Workshop On Outcome Based Education	6 -8 July,2015	Chitkara University
16.	Mr.Maninderjit Singh Khanna	FDP On Modern Methodologies In Teaching And Research	10 -12 December, 2015	Chitkara University
17.	Ms.Vandana Bajaj	Modern Methodologies In Teaching And Research	10 -12 December, 2015	Chitkara University

18.	Ms. Arzoo	Modern Methodologies In Teaching And Research	10 -12 December, 2015	Chitkara University
19.	Mr. Jatinder Ashta	Faculty Enablement Program "Foundation Program 4.0"	4 - 9 January, 2016	Infosys, Chandigarh
20.	Ms. Arzoo	Workshop on Energy Conservation and safety	16 January , 2016	Chitkara University
21.	Ms. Neelam	Workshop on Energy Conservation and safety	16 January , 2016	Chitkara University
22.	Ms. Amandeep Bhavra	Workshop on Energy Conservation and safety	16 January, 2016	Chitkara University
23.	Mr. Vikas Rattan	Producing Elegant Technical Research Reports Efficiently	19 -20 January, 2016	GNDEC, Ludhiana
24.	Mr. Preetinder Singh Brar	Producing Elegant Technical Research Reports Efficiently	19 -20 January, 2016	GNDEC, Ludhiana
25.	Mr. Naveen Sharma	Substance Use Disorders among Adolescents- a wakeup call	20 February, 2016	Chitkara University
26.	Mr. Preetinder Singh Brar	Creating Formatted Technical Documents Using Latex	12-13 March, 2016	Chitkara University
27.	Ms. Amandeep Bhullar	Creating Formatted Technical Documents Using Latex	12-13 March, 2016	Chitkara University

- **Workshops/IOHC/ Seminar Organized**

S. No.	Title	Date	Resource Person
1	Workshop on effective Use Case Design	30 September - 1 October, 2015	Ms. Deepika Chaudhary/ Mr.Jaswinder Singh
2.	Workshop on Programming Concepts	8 October, 2015	Mr.Preetinder Singh Brar/ Mr. Maninderjit Singh Khanna/ Prof. Vikram Mangla/Ms.Arzoo Dhiman Ms. Resham Arya
3	Routing Techniques In Computer Communication Networks	10-11 October, 2015	Mr. Naveen Kumar Mr.Rajesh Kaushal Ms. Vidhu Baggan
4	Intricacies Of C Language	12 February , 2016	Mr. Vikas Rattan Mr. Preetinder Brar
5	Technogyanam- A Digital Marketing Workshop	7- 8 April, 2016	Ms. Nishu Bali

- **GRANTS FROM FUNDING AGENCIES**

S. No.	Funding Agency	Period	Amount	Purpose	Status
1	Computer Society of India, Education Directorate.	2014-2015	10,000	To Develop 'Smart-O-Scope'	Completed

- **Student Achievements**

**A. Academics**

S. No.	Name of Student	Event/Project	Achievement (Position/ Medal)
1	Amandeep Singh (BCA-MCA(I)-2 <sup>nd</sup> year)	International Conference on Green Computing and Engineering Technology 2015,Dubai.	Contributed a research paper titled " Capacitance scaling based energy efficient and Tera Hertz design of Malayalam Unicode Reader on FPGA "
2	Amandeep Singh (BCA-MCA(I)-2 <sup>nd</sup> year)	International Conference IEEE CSNT-2015 held at	Contributed a research paper titled " Energy Efficient Counter Design using Voltage scaling on FPGA "

		Gwalior.	
3	Devanshu Verma (BCA-1 <sup>st</sup> Year)	AIESEC Member	Attended Leadership conference held at Shimla in October 2015



### B. Co-curricular Activities


S. No.	Name	Activity	Achievement (Position/Medal)	Date	Place
1	Dalveer singh and Vijender Singh(BCA-MCA(I) 2 <sup>nd</sup> Year)	Presentation Competition	3 <sup>rd</sup> Prize	12 March, 2016	IETE,Chandigarh

- **Special mention achievements with brief writeup and Snap.**
- *Himanshu Gupta, a student of MCA Final Year earned laurels from his organization (Synygy) on the task of cross browser UI testing on IE11 handled by him independently.*

← → ↻ [intranet2.synygy.com/SIMS/Rewards.nsf/0/F2DD5F3147A57A8285257FC](http://intranet2.synygy.com/SIMS/Rewards.nsf/0/F2DD5F3147A57A8285257FC)

Cancel

High Five:	
<b>Entered By:</b>	Nakate, Madhura 
<b>Submitted Date:</b>	11/26/2015
<b>Recipient Name:*</b>	Gupta, Himanshu 
<b>Comments:*</b>	Himanshu has joined the testing team less than a month ago. Close to the release, we needed him to take up the responsibility of performing some cross browser UI testing on IE11. He took up the task with complete ownership, understood the process to be followed and performed the tests. In spite of having no previous information about the portal side, he was able to pull off the task in a very short time with great attention to detail and scrutiny. Great job! Definitely calls for a hi5!



- Kumar Satyam a student of BCA 3<sup>rd</sup> year filed a patent on Portable Human Recognition Device on 30 September, 2015 (PATENT FILING NUMBER: 3134/DEL/2015)

### Co-Curricular Activities (School Specific)

#### A. Cultural

In order to refresh CA students, a cultural event comprising six competitions was organized on 11<sup>th</sup> March, 2016 by the Matrix Club under the aegis of Department of Computer Applications, School of Computer Sciences, Chitkara University, Punjab. The six events organized under the banner of the cultural event included Singing Competition, Dance Competition, Exhibition - Sketching, Exhibition - Photography, Mimicry, Paper Dance for students and Faculty (Fun Activity). Students participated wholeheartedly in the event and won various competitions. Mr. Vikram Mangla, Dy. Dean, School of Computer Sciences gave away the prizes to the winners. The judges for the various activities were



also felicitated. Mr.Vikram Mangla, in his closing speech, congratulated the winners, and appreciated the hard work put-in by Team Matrix in making this event successful.



#### B. CSR

Department of Computer Applications observed Inter-national Disaster Reduction Day on 13th October 2015. The event commenced with a seminar on traffic rules and fire safety by ASI Gurbaj Singh. A practical session was organized in the open area where the use of fire extinguisher and hydrant system was demonstrated by the Mr. Beant Singh, Security Officer, Chitkara University Punjab. A radio interview of Inspector Sukhbir Singh, Incharge Traffic Rajpura & Banur and ASI Gurbaj Singh, Traffic Education Cell Police, Patiala was recorded to be aired on 107.8 FM Radio Chitkara. This interview was taken by Ms. Arzoo Dhiman, AP, Computer Applications.



### C. Sports

To remind us of one of the most popular traditional games of India – Kho-Kho, the Matrix Club and CSI joined hands with the Epic Youth Club to organize Hostel Activity for the Chitkara University hostellers. Kho-Kho, a game filled with energy and shout-outs for the running players was organized for two days in the evenings of March 16-17, 2016. All members of the Epic Youth Club gathered in their signature epic T-shirts to play the adrenaline-charged game. The semi-finals took place on the first day where the winning teams paved their way into the finals. On the following day, the qualified teams played with all their might to emerge as winners. Cloudy sky and pleasant breeze made the ambience more lively and blithely. The two winning teams, in boys as well as girls categories, took home the prizes, with the players from both teams having developed friendly bonds amongst themselves.... courtesy the rich heritage game called Kho-Kho.



#### D. Educational Tours

Department of Computer Applications, Chitkara University, Punjab commemorated World Heritage Day, where in an educational tour to the holy city of Sri Anandpur Sahib was organised by the Matrix Club on April 19, 2016. A group of 53 students, accompanied by eight teachers visited Takht Sri Keshgarh Sahib and Virasat-e-Khalsa as part of the said educational tour.

The tour was organized with an intent to sensitize the students about the rich heritage 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 religions amongst the group that visited Virasat-e-Khalsa through depiction of the vast heritage of the Sikhs and of the state of Punjab. The faculty members and few of the visiting students also had a chance to meet S. Tejinder Singh, AGM, Virasat-e-Khalsa and shared their experiences about the magnificent architecture and feedback about the depictions through various media at Virasat-e-Khalsa.



Placements (Only Logos of Companies)