

CHITKARA
UNIVERSITY



Nouvelle Liberation

Volume 5, Issue 2

Department of Computer Applications
Chitkara University Institute of Engineering & Technology
Chitkara University, Punjab

Coverpage Designed by: Paras Khurana



This newsletter is edited and published by
Department of Computer Applications, Chitkara University, Punjab

Editorial Team :

- Dr. Ruchi Mittal
- Mr. Vikas Rattan

Website :

- <https://www.chitkara.edu.in>
- www.ca.chitkara.edu.in

Email :

- nouvelle@chitkara.edu.in

INSIDE THE ISSUE



CONTENTS

PAGE No.

• Excuberanza - 2020.....	1
• CodeDown - 2020.....	2-3
• Tree Donation and Plantation.....	4
• Republic Day.....	5
• Blood Donation - 2020.....	6
• World Environment Day - 2020.....	7
• International Yoga Day.....	8
• IGOT (Integrated Government Online Training) Certification.....	9
• Gratitude.....	10
• FDP on Data Analysis using R.....	11
• FDP on Machine Learning using Weka.....	11
• FDP on Research Document Preparation using Overleaf.....	12
• FDP on Data Analysis and BI using Power BI.....	12
• Workshop on Essential jQuery and AJAX.....	13
• Workshop on Programming Essentials on Python.....	13
• Workshop on Introduction to Programming Languages.....	13
• Workshop on CPS: Environment Automation and Control.....	14
• Workshop on Software Testing Automation.....	15
• CSI Awards.....	16
• Faculty Achievements.....	17-18
• Research & Publications.....	19
• Student Achievements.....	20
• Placements Record - 2K20.....	21-23

Excuberanza 2020

Matrix Club under the aegis of Department of Computer Applications organized their annual event Excuberanza-2020 on January 29, 2020. The event comprised of technical, literary and fun activities such as: Pictionary, Logo Designing, Treasure Hunt and Mobile Advertisement Designing.



A significant number of students participated in the event from the entire campus with full zeal and enthusiasm.

Dr. Jaiteg Singh (Professor and Dean, Department of Computer Applications), Dr. I. S. Sandhu (Dean, Examinations), Dr. Ashutosh Mishra (Dean, Chitkara School of Mass Communication), Dr. Pankaj Kumar (Professor and Head - PhD Programme, CURIN) and Mr. Preetinder Singh Brar (Program In-charge, Department of Computer Applications) gave away the prizes and certificates to the winners and the participants.



The COVID-19 pandemic has forced each one of us to remain confined to our homes. This situation has especially been a challenge to the students. However, if students are provided with the right platform to learn and exhibit their skills, they participate with full diligence.

To help the students overcome this situation and to make learning an enjoyable experience, the CSI Student Chapter, Department of Computer Applications, Chitkara University, Punjab collaborated with a technical partner 'Code Quotient' to organize an online coding competition named CODEDOWN 1.0 on May 23, 2020. The competition received an overwhelming response from students from across the country. Students from 20 states and UTs registered for the event.



The poster for CODEDOWN 1.0 features a dark background with glowing blue and white lines. At the top left is the Chitkara University logo. The main title 'CODEDOWN 1.0' is in large, bold, blue letters. Below it, the text 'A National Level Online Coding Competition' is in white. The date '23 MAY 2020' and time '2:00 PM' are prominently displayed. The technical partner 'codequotient' is mentioned. Prizes for the 1st, 2nd, and 3rd winners are listed in blue circles. The registration link 'http://bit.ly/CSICodeDown' and the last date '22 May, 2020 (5:00 pm)' are at the bottom. Student coordinators Rajveer and Amisha are also listed.

CHITKARA UNIVERSITY

CSI Student Chapter
Dept. of Computer Applications
Chitkara University, Punjab
Presents

A National Level Online Coding Competition

CODEDOWN 1.0

INSTITUTION'S INNOVATION COUNCIL

C LANGUAGE

23 MAY 2020
2:00 PM

TECHNICAL PARTNER
codequotient

1st Winner

FREE
Full Stack Software Development course from CodeQuotient worth Rs. 25,000
E-Certificate

2nd & 3rd Winner

FREE
Data Structures and Algorithms course from CodeQuotient worth Rs. 10,000
E-Certificate

Register for FREE :
<http://bit.ly/CSICodeDown>
Last Date : 22 May, 2020 (5:00 pm)

Student Coordinator
Rajveer : 8959969696
Amisha : 9034859008

C
O
D
E
D
O
W
N
-
2
0
2
0

Total 464 students participated in this event from various states of India such as Punjab, Himachal Pradesh, Uttar Pradesh, Haryana, Chandigarh, Uttarakhand, West Bengal, Delhi, Madhya Pradesh, Rajasthan, Jammu and Kashmir, Tamil Nadu, Odisha, Andhra Pradesh, Bihar, Maharashtra, Telangana, and Kerala.

The event was coordinated by Mr. Jaswinder Singh (Assistant Professor, Department of Computer Applications) and Mr. Jaspreet Singh (Assistant Professor, Department of Computer Applications).



Mr. Jaskaran Batra (Chitkara University, Punjab), Mr. Nihal Singh (Gurukul Kangri Vishwavidyalaya, Uttarakhand) and Mr. Prince Kumar (Chitkara University, Punjab) bagged first three positions respectively.

CSI Student Chapter, Department of Computer Applications, Chitkara University is determined to organize more such events in the future for the benefits of students across the country.



The Department of Computer Applications organized a tree donation and a tree plantation drive in the campus on February 15, 2020. This initiative was inspired by a motivational talk delivered by the Hon'ble Chancellor, Dr Ashok Chitkara ji who earlier spoke on the importance of environment protection.



Dr Jaiteg Singh (Professor and Dean, Department of Computer Applications) along with all faculty members of the department collectively donated 50 tree saplings. With assistance from the university horticulture staff, these saplings were planted by the students and faculty of the Department of Computer Applications in the vicinity of Marco Polo Hostel inside the university campus.



Republic Day



Chitkara University celebrated the 71st Republic day with gaiety and patriotic zeal at the university campus. After the traditional flag unfurling and march-past, a dazzling inter-departmental cultural competition was held that was meant to spread the message of patriotism. The students of Department of Computer Applications bagged the 3rd prize.



Blood Donation - 2020

Department of Computer Applications under the aegis of NSS, Chitkara University, Punjab chapter organized a Blood Donation Camp on February 26, 2020 at the Sports Arena, Indoor Stadium of the university. There was a good participation this year from students of BCA and MCA with approximately 100 registrations. The donors were given refreshments and were also felicitated with a certificate and a gift to appreciate their contribution to this noble cause. The event was organized with the support of Rajindra hospital, Patiala and PGIMER, Chandigarh.

Ms. Vandana Bajaj (Associate Professor) and Ms. Puninder Kaur (Assistant Professor) from DCA coordinated the event.



World Environment Day - 2020



On the special occasion of World Environment day on June 5, 2020, NSS volunteers of the Department of Computer Applications under the aegis of NSS, Chitkara University, took initiative and planted saplings in the vicinity of their home due to COVID-19 lockdown and also pledged to build Greener World.

Ms. Vandana Bajaj and Ms. Puninder Kaur coordinated the event.





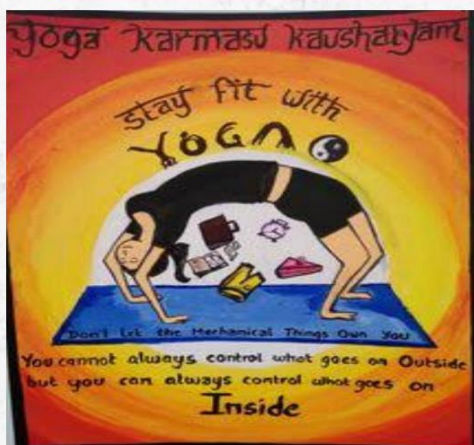
CHITKARA
UNIVERSITY



INTERNATIONAL DAY OF YOGA 21 JUNE 2020



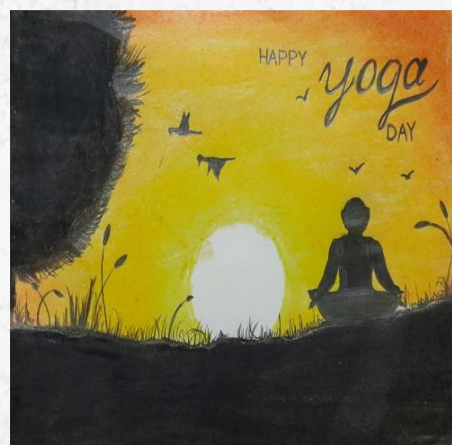
"Yoga is that Light which, if you can lit once will never get dimmed, the more you practice the Brighter the Flame will be"



INTERNATIONAL YOGA DAY



CHITKARA
UNIVERSITY



Department of Computer Applications under the aegis of NSS, Chitkara University organized International Yoga Day on June 21, 2020 wherein students participated in the event by doing yoga asanas at their home and participated in the online event organized by Department of Applied Sciences under the aegis of NSS. Students enthusiastically participated in the event and uploaded their video while doing yoga on the link shared by the department. Some students submitted handmade posters which aim to raise awareness and benefits of practicing yoga.

Ms. Vandana Bajaj (Associate Professor, DCA) coordinated the event.

**FRONT LINE COVID WARRIORS:
WE CARE FOR THE ONES WHO CARE**
Building capabilities to fight the Pandemic
better and equipping you (Covid-19 Warriors)
to empower the Nation against Pandemic

iGOT Platform is uniquely designed for our



Doctors



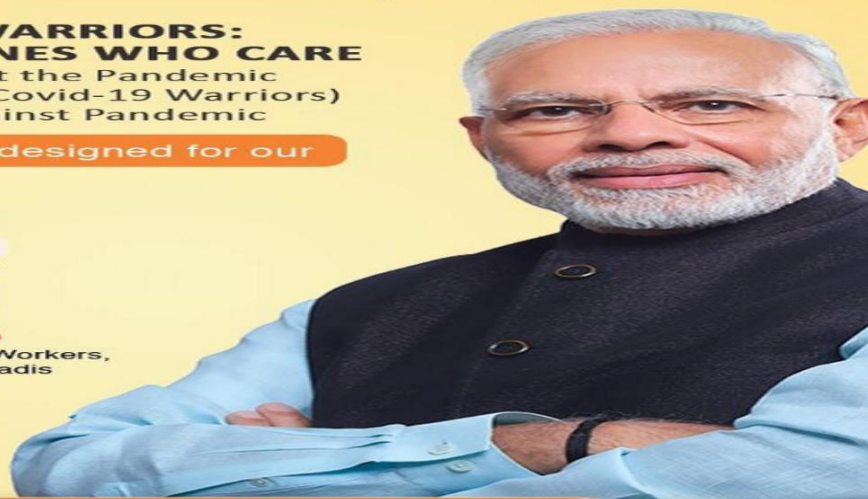
Nurses

Police & Volunteers

ANMs, Asha Workers,
Anganwaadis

& all others


Containing
self-learning guide
with all the latest
prevention techniques



Log on to <https://igot.gov.in>

THREE SIMPLE STEPS
LOG IN → ACCESS → LEARN

*The platform is compatible with firefox and chrome only
For any query please write to: support@i-got.freshdesk.com

Follow us on / 

Scan to log on



More than one hundred NSS and NCC volunteers from the Department of Computer Applications, Chitkara University have undergone online training on COVID-19 related SOPs during lockdown period as per the information received from office of Director of Public Instructions, Punjab.



The motivation behind the training was to prepare a pool of first line workers for agencies dealing with the COVID-19 pandemic. The NSS volunteers were trained on the iGOTplatform using MHRD DIKSHA as a host. There were many NSS modules of training such as health education for home quarantine, COVID myths and facts, discharge of COVID-19 patients, and so on.

Gratitude



NSS volunteers along with Matrix club students showcased their gratitude towards Hon'ble Chancellor Sir, Dr. Ashok Chitkara Ji and Pro-Chancellor Ma'am, Dr. Madhu Chitkara Ji by thanking them by making and releasing a creative video during COVID-19 lockdown. The video motivates us to remain positive and keep our spirits high during COVID-19 pandemic.



CHITKARA UNIVERSITY
Ronit Bhanja (BCA)
honoured with
KHEL SAMMAN
by
Smt. Mamata Banerjee
Hon'ble Chief Minister
West Bengal



We make a living by what we get. We make a life by what we give.

DATE: 18-22 MAY 2020 VENUE: CHITKARA UNIVERSITY, PUNJAB

DATA ANALYSIS USING R

TOP KEYNOTES:

INTRODUCTION TO R

WORKING DIRECTORIES IN R

DATA FRAMES

MATRICES

INTRODUCTION TO GGPILOT2


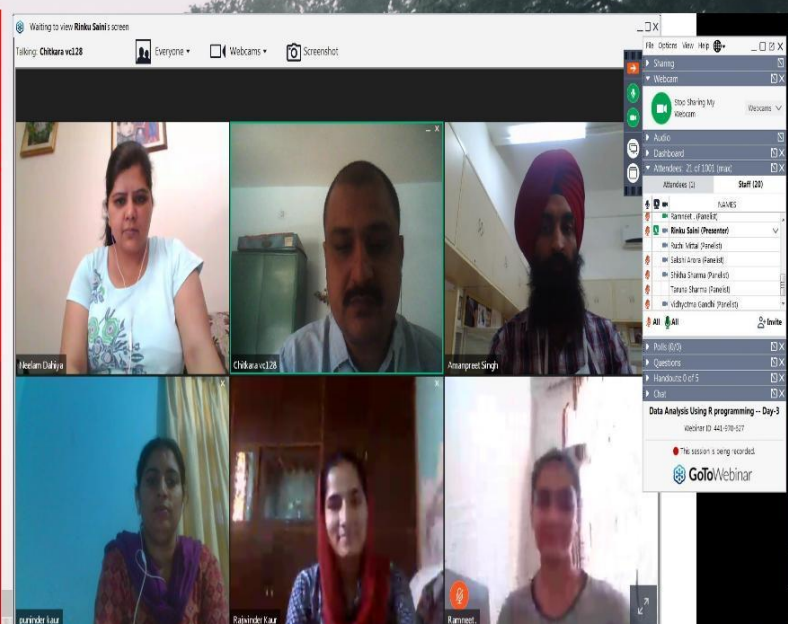
DATA MANIPULATION

DATA ANALYSIS

SPONSORED BY:

DEPARTMENT OF COMPUTER APPLICATIONS, CHITKARA UNIVERSITY, PUNJAB

RESOURCE PERSON
Dr. VARUN MALIK
varun.malik@chitkara.edu.in

The Department of Computer Applications provided an opportunity to the faculty members to maintain their regular regime of learning new technologies. With this idea, some Faculty Development Programmes (FDP), each of 5-day duration, were conducted for the benefit of the teachers. These FDPs were offered through online mode.

CHITKARA UNIVERSITY

www.chitkara.edu.in

Online Faculty Development Program on

MACHINE LEARNING USING WEKA

MAY 25 to 29 2020

Organiser
Department of Computer Applications
Chitkara University, Punjab, India

Registration link - [shorturl.at/dpK34](#)

Webinar link shall be shared upon registration.
Contact (Call/ WhatsApp) - +919729500850

About the FDP
The modern age is the data-driven age and analysis of this data shall potentially have a tremendous impact on our future. One technique that makes effective use of data for prediction and analysis is machine learning. This program covers and demonstrates the theoretical and practical aspects of select machine learning algorithms in a simplified manner with the illustration of hands-on sessions on Weka.

FDP Contents with detailed day-wise schedule

Day-1
Introduction to Machine Learning
• Concept of Machine Learning and its Applications
• Supervised and Unsupervised Machine Learning Strategies
• Concept of Regression and Classification
• Data Mining Process and Techniques

Day-2
Beginning with Weka
• Installation
• Demonstrate the use of Weka
• Experiment with Weka

Day-3
Classification
• Understand the concept, types, and working of classification
• Apply Decision Tree on a sample dataset
• Implement Decision Tree process using Weka

Day-4
Cluster Analysis
• Understand the concept of clustering, its applications, and features
• Apply clustering algorithm in Weka
• Interpret the results of clustering
• Identify optimum number of clusters

Day-5
Association Mining
• Understand the concept of association mining and its applications
• Understand the role of support, confidence, and lift
• Demonstrate the use of association mining algorithm
• Apply association mining on numeric data
• Comprehensive list of user association rules

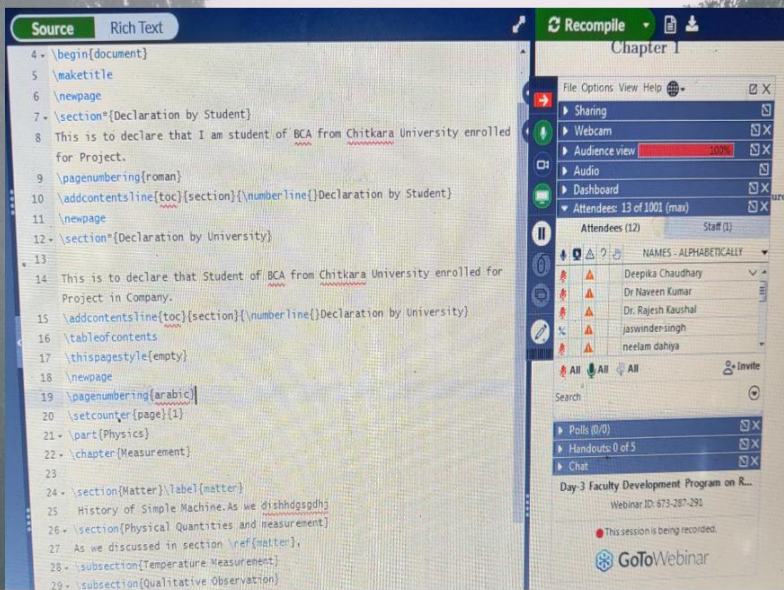
Date: May 25, 2020 to May 29, 2020

Who should attend
Faculty members
Research scholars
Practitioners

Organiser:
Department of Computer Applications
Chitkara University,
Punjab, India

Resource Person
Ruchi Mittal (PhD)
Professor
Department of Computer Applications





FDP on Data Analysis Using R Programming [May 18-22, 2020]	Dr. Varun Malik	Faculty from both campuses (Punjab & Himachal Pradesh) attended this FDP. Since most faculty members these days are involved in research work and are looking out for the appropriate tools for analysis of data, there the FDP on R was planned because R is one of the powerful languages for data analysis and researchers can benefit from the ease of execution of this language.
FDP on Machine Learning using Weka [May 25-29, 2020]	Dr. Ruchi Mittal	The modern age is driven by data and analysis of this data shall potentially have tremendous impact on our future. One technique that makes effective use of data for prediction and analysis is machine learning. This FDP intends to covers and demonstrate the theoretical and practical aspects of selection algorithms in a simplified manner with hands-on session on Weka. Researchers will find the utility of the learnings from this FDP in their research work.
FDP on Research document preparation using Overleaf [June 1-5, 2020]	Dr. Amandeep Kaur Bhullar	Overleaf is an online cloud-based authoring tool that provides researchers with an easy to use LATEX editor and makes the whole process of writing editing and publishing specific documents much quicker and easier. Researchers can use this tool to create a document with customised citation styles and save time in formatting of research artifacts as per the standards of different journals.
Data Analysis and Business Intelligence using Power BI [June 8-12, 2020]	Dr. Deepika Chaudhary	Power BI is a collection of software services, apps, and connectors that work together to turn unrelated sources of data into visually immersive information thereby providing better insight to the data. Power BI allows researchers to easily connect to a variety of data sources, visualize and discover what's important, and share that with other researchers.



W



R

K

S

H



P

S

CHITKARA UNIVERSITY
PUNJAB

Title: Essential jQuery & AJAX

This workshop is all about essential jQuery and AJAX. The workshop will make you understand the core concepts of jQuery and making AJAX calls can give you the opportunity to provide better web experience to your customers.

Key Highlights:

1. Working with offline and CDN library.
2. Understanding DOM Visually.
3. Implicit and Explicit Iterations.
4. jQuery chaining & Filters.
5. Event Handling & GUI.
6. Inter domain & cross domain AJAX calls.

Resource Person
Dr. Rajesh Kumar Kaushal
rajesh.kaushal@chitkara.edu.in

11th May to 15th May 2020
9.00 am to 11.00 am

Chitkara University, Punjab
Department of Computer Applications

CHITKARA UNIVERSITY
PUNJAB

Workshop on Programming Essentials in Python

Dr. Naveen Kumar (Resource Person)

Day 1

Introduction to Python Programming, Features of Python, Installation, Data Types, Operators, Decision Making

Day 2

String slicing and indexing, Introduction to Python Data Structures, How to make a list, List function, List Comprehension

Day 3

How to create Dictionary, operations on dictionary, Tuples, Introduction to Python Function, Default Function and Function overloading

Day 4

Python Object Oriented, Class, Member variable and functions of a class, Accessing members of a class, Constructor and Destructor

Day 5

Inheritance (Single, Multiple and Multilevel)

Department of Computer Applications
18-22 May 2020

Amid these tough times when social distancing has been mandated to keep mankind safe, the Department of Computer Applications, Chitkara University, Punjab been striving hard to keep pace with the time by doing everything that is possible with resources in hand so that the learning never stops for our students as well as faculty members. At the onset of the lockdown due to COVID-19, the department made an instant changeover to the online mode of teaching through the webinars and the online sessions for the students.

In this endeavor of keeping the learning on the forefront, the Department of Computer Applications offered a series of the following online workshops for students:

- 1) Essential jQuery and AJAX by Dr. Rajesh Kaushal from May 11-15, 2020
- 2) Programming Essentials in Python by Dr. Naveen Sharma from May 18-22, 2020
- 3) Introduction to Programming Languages by Dr Harmaninder Singh from May 25-29, 2020.

The workshops have received a tremendous response from the students.

The Workshop

Dept. of Computer Applications, CHITKARA UNIVERSITY Is Organizing Five Day Workshop On "INTRODUCTION TO PROGRAMMING LANGUAGES" From 25/05/2020 To 29/05/2020. The Aim Of This Workshop Is To Help The Students In The Following Areas:

- Becoming More Efficient And Productive.
- Improving Communication And Collaboration Skills.
- Understanding How Software Works.
- Improving Problem Solving And Thinking Skills.
- Combining Technical Skills With Creativity.

RESOURCE PERSON
Dr. Harmaninderjit Khanna
EVENT CO-ORDINATOR
Dr. Maninderjit Khanna
EVENT IN-CHARGE
Dr. Deepika Chaudhary

WORKSHOP SCHEDULE

DAY 1	C Basic of C Control Statements Array & Pointers Strings Function Structure and Union
DAY 2	ADVANCED C FEATURES Operations On Bits Miscellaneous Features Memory Management Device Access Windows Programming Interaction With Hardware
DAY 3	C++ BASICS: Introduction and Overview C++ Programming Building Blocks
DAY 4	C++ (OOP) Encapsulating higher-level data types Declaring, accessing, and modifying objects Overloading and templates Separating interfaces and implementations Extending Classes via Inheritance
DAY 5	CORE JAVA Java Basics Introduction to Objects and Classes Inheritance Packages Interfaces Exception Handling

CHITKARA UNIVERSITY
PUNJAB

CHITKARA UNIVERSITY,
CHANDIGARH-PATIALA,
NATIONAL HIGHWAY (NH-7),
PUNJAB.
www.chitkara.edu.in

CHITKARA UNIVERSITY
PUNJAB

WORKSHOP ON INTRODUCTION TO PROGRAMMING LANGUAGES
25/05/2020 To 29/05/2020

Chitkara
CHITKARA UNIVERSITY

W



R

K

S

H



P

S



Computer Society of India (CSI) Student Chapter, under the aegis of the Department of Computer Applications, Chitkara University, Punjab organized 2-Days workshop on “CPS: Environment Automation & Control” on February 26-27, 2020. Students from various departments participated in the workshop. Ms. Vidhyotma Gandhi, Assistant Professor, Department of Computer Applications was the resource person. She gave the rudimentary knowledge of Cyber Physical System (CPS) and Internet of Things (IoT). Students enthusiastically participated in the hands-on session during the workshop. Session included installations of OS on Raspberry Pi, Pi configurations, basics of Python and sensors interfacing. With the help of multiple sensors few project ideas designing was also discussed. Dr. Jaiteg Singh (Professor and Dean, Department of Computer Applications) applauded the efforts of resource person and of the CSI core team members and also encouraged the students to put their knowledge to best use by coming up with useful projects.

Mr. Jaswinder Singh and Mr. Jaspreet Bajaj coordinated the event.



WORKSHOPS



Computer Society of India (CSI) Student Chapter, under the aegis of Department of Computer Applications, Chitkara University, Punjab, organized a workshop on "Software Testing Automation" on February 8, 2020.

More than 90 students of BCA and MCA participated in the workshop. Mr. Sumit Singh Gill (Customer Success Team, Bebo Technologies) and Ms. Shaveta (Software Testing Expert, Bebo Technologies) were the resource persons for the workshop. The students got an insight of Software Testing Automation through hands-on experience. Experts taught about installation and use of Selenium tools for testing. Students demonstrated keen interest to learn the automated software testing.

The experts also organized a short quiz and distributed prizes to winners. Dr. Jaiteg Singh (Professor and Dean, Department of Computer Applications) felicitated the resource persons and applauded the efforts of CSI core team members for planning and executing the workshop.

Mr. Jaswinder Singh and Mr. Jaspreet Bajaj coordinated the event.



CSI Awards

Adding another feather to its cap, the CSI Student Chapter at the Department of Computer Applications, during the national-level Computer Society of India (CSI) Annual Convention 2020 held at Bhubaneswar, Odisha from January 16 to 18, bagged the following three awards:

1. Best Accredited CSI Student Branch
2. Longest Continuous SBC - awarded to Mr. Jaswinder Singh, Assistant Professor, Department of Computer Applications;
3. Highest Committed Student Branch Activist; - awarded to Mr. Deepak Mittal of BCA 3rd year.



The awards were given away by Mr. Mike Hinchy (President, International Federation for Information Processing - IFIP) and Mr. V. K. Vyas (Vice President, CSI).



Event Dates: January 16-18, 2020



Faculty Achievements

CSI student chapter of Department of Computer Applications, Chitkara University, Punjab has won three awards out of four nominations sent to Computer Society of India and Department of Computer Applications has been awarded the best accredited CSI student branch under the guidance of Dr. Jaiteg Singh (Professor and Dean, Department of Computer Applications, Chitkara University).

The following three candidates under the supervision of Dr. Jaiteg Singh successfully defended their PhD degree:

Dr. Vidyotma

Dr. Nagma

Dr. Mekhla Sharma

Dr. Jaiteg Singh received a Citation and a cash award of INR. 1,00,000 as Research Excellence Award for "Eminent Researcher".

Dr. Jaiteg Singh filed the following Patents:

- 1) Emotion Detection System and Method
- 2) A Happiness Detection Method and a System Thereof

Dr. Jaiteg Singh acted as reviewer in various Journals and conferences of repute such as IEEE, Elsevier and Springer.




Dr. Ruchi Mittal received a cash award of INR. 79,000 as a publication research incentive.

Dr. Ruchi Mittal received a Citation for publishing a research paper with highest H-index journal in the Department of Computer Applications as first author.

Dr. Ruchi Mittal conducted an online FDP on "Machine Learning using Weka" from May 25-29, 2020 at Department of Computer Applications, CUIET, Chitkara University.

Dr. Ruchi Mittal conducted an online webinar on "Machine Learning Essentials" on May 29, 2020 at Sandip University, Nasik, Maharashtra.

Dr. Ruchi Mittal has been appointed as a reviewer for reputable Scopus indexed scholarly journals such as World Review of Science, Technology and Sustainable Development (Inderscience) and International Journal of Business and Globalisation (Inderscience).



Dr. Deepika Chaudhary conducted an online FDP on "Data Analysis and Business Intelligence using Power BI" from June 6-12, 2020 at Department of Computer Applications, CUIET, Chitkara University.

Dr. Deepika Chaudhary acted as a reviewer for reputed Scopus indexed journals such as Journal of Computer Science (Science Publications) and Evolving Systems (Springer Verlag)

Dr. Amandeep Kaur Bhullar conducted an online FDP on "Research Document Preparation Using Overleaf" from June 1-5, 2020 at Department of Computer Applications, CUIET, Chitkara University.

Dr. Rajesh Kaushal conducted a workshop on "Comprehensive jQuery and AJAX" from May 11-15, 2020 at Department of Computer Applications, CUIET, Chitkara University.

Dr. Rajesh Kaushal and Dr. Naveen Sharma filed the following Patents:

- 1) Child Safety Enabled Aldrop Latch
 - 2) Anti-Theft Device for Rolling Shutters (Utility Patent)
 - 3) Wearable Hand Sanitizer Device (Design Patent)
 - 4) Sanitizer Dispenser (Design Patent)
-

Dr. Rajesh Kaushal conducted an online webinar on "Managing References and Citations Using Mendeley" on June 10, 2020 at Chitkara University.

Dr. Rajesh Kaushal has been a part of the online FDP on "Education Through Virtual Classrooms, MOOCs and E-Learning Technologies" organized by MDSD College, Ambala City in Collaboration with Wakalet under Paramarsh Scheme for UGC for Mentee Institutes from May 18-22, 2020.

Dr. Naveen Kumar has been a part of the online FDP on "Education Through Virtual Classrooms, MOOCs and E-Learning Technologies" organized by MDSD College, Ambala City in Collaboration with Wakalet under Paramarsh Scheme for UGC for Mentee Institutes from May 18-22, 2020.

Dr. Rajesh Kaushal delivered a guest lecture online at the Department of Computer Applications, A. S. College, Khanna, Punjab on May 31, 2020.

Dr. Naveen Sharma conducted a workshop as a key resource person on "Python Programming" organized by PKR Public School, Ambala City, Haryana, India.

Dr. Varun Malik conducted an online FDP on "Data Analysis using R" from May 18-22, 2020 at Department of Computer Applications, CUIET, Chitkara University.

Dr. Harmaninder Singh conducted an online Workshop for students on "Introduction to Programming Languages" from June 1-5, 2020

Dr. Vidhyotma Gandhi defended her PhD in Computer Science and Engineering by Chitkara University, Punjab, India.

Research and Publications

Journals.

- Sehra, S. S., Singh, J., Rai, H. S., & Anand, S. S. (2020). Extending Processing Toolbox for assessing the logical consistency of OpenStreetMap data. *Transactions in GIS*, 24(1), 44-71.
- Singh, J., Goyal, G., & Gill, R. (2020). Use of neurometrics to choose optimal advertisement method for omnichannel business. *Enterprise Information Systems*, 14(2), 243-265.
- Singh, S., Singh, J., & Sehra, S. S. (2019). Genetic-Inspired Map Matching Algorithm for Real-Time GPS Trajectories. *Arabian Journal for Science and Engineering*, 1-17.
- Gandhi, V., & Singh, J. (2020). An Automated Review of Body Sensor Networks Research Patterns and Trends. *Journal of Industrial Information Integration*, 100132.
- Gandhi, V., & Singh, J. (2020). WBSN based safe lifestyle: A case study of heartrate monitoring system. *International Journal of Electrical and Computer Engineering*, 10(3), 2296.
- Kaushal, R. K., Panda, S. N., & Kumar, N. (2020). Proposing Effective Framework for Animation Based Learning Environment for Engineering Students. *Journal of Engineering Education Transformations*, 33(3), 48-61.
- Kumar, N., Panda, S., Pradhan, P., & Kaushal, R. (2019). IoT Based Hybrid System for Patient Monitoring and Medication. *EAI Endorsed Transactions on Pervasive Health and Technology*, 5(19).
- Rani, G., & Bansal, J. (2020). A Hybrid Batch Mode Fault Tolerance Strategy in Desktop Grids. *International Journal of Natural Computing Research (IJNCR)*, 9(2), 36-50.

Conferences.

- Mittal, R. (2019, November). Identification of Salient Attributes in Social Network: A Data Mining Approach. In *International Conference on Recent Developments in Science, Engineering and Technology* (pp. 173-185). Springer, Singapore.
- Gupta, S., Mittal, R., & Mittal, A. (2019, March). Modelling the Intentions to Adopt UPIs: A PLS-SEM Approach. In *2019 6th International Conference on Computing for Sustainable Global Development (INDIACom)* (pp. 246-250). IEEE.
- Malik, V., Sharma, T., & Sharma, M. (2020, January). A Multiband (WWAN/Bluetooth/WiMAX) Square Monopole Antenna with Simple Structure for Wireless Communication System Applications And Optimization by using Artificial Intelligence. In *2020 10th International Conference on Cloud Computing, Data Science & Engineering (Confluence)* (pp. 440-444). IEEE.

Student Achievements

Many students participated in various events, completed courses through online platformss such as SWAYAM, Coursera, Udemy, and appeared for various online competitions during COVID-19 lockdown.



Students from the Department of Computer Applications participated in various competitions of TechFest "ADVITIYA-2020" held at IIT Ropar from February 7-9, 2020.

- Gyan Singh of BCA-2nd Semester participated in the Startup Conclave event and qualified for an investor pitch during Boot Camp.
- Sakshi of BCA-2nd Semester won third cash prize on the second day of the event "Pic of the day" and got second cash prize on the third day of the event "Pic of the day"
- Khusbu of BCA-2nd Semester won first cash prize on the second day of the event "Pic of the day" and won third cash prize on the first day of the event "Pic of the day"
- Pushkar of BCA-2nd Semester won second cash prize on the first day of the event "Pic of the day" and won third cash prize on the third day of the event "Pic of the day"
- Daksh Dutt of BCA-2nd Semester won second cash prize on the second day of the event "Pic of the day"
- Mehul of BCA-2nd Semester won third cash prize on the second day of the event "Pic of the day" and second cash prize on the third day of the event "Pic of the day".

Mohan of BCA-2nd semester student contributed socially by distributing Kadi Chawal to the needy people during lockdown at Ambala Railway station. He also donated blood in Blood Donation Camp organized by Blood Bank, G.H Ambala City on April 13, 2020 during Lockdown for Covid Patients.

Smart India Hackathon 2020 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. Computer Application students also participated in the event and one team comprising of six students of BCA-6th semester got selected in internal hackathon for the final round.





Placement Record *2K20*

***BCA and
MCA Graduates***

BCA Placements

Roll No.	Name	Company
1710992522	Diksha	Infosys
1710992540	Jahnavi Dutta	TCS, Infosys
1710992544	Karan	Infosys
1710992545	Keshav Chugh	Infosys
1710992546	Khayati Dudeja	Infosys
1710992552	Mohit Malik	Infosys
1710992555	Naman	Infosys
1710992568	Ramandeep	Infosys
1710992572	Riya	Infosys
1710992596	Soumyadip	Infosys
1710992714	Debraj Aditya	TCS, Infosys
1710992719	Guneesh	TCS, Infosys
1710992724	Komal	Infosys
1710992736	Raghav	Infosys
1710992740	Shubham Goyal	Infosys
1710992746	Vanshika	Infosys
1710992751	Tanpreet	Infosys
1710992752	Simran	Infosys
1710992525	Geet	eClerx
1710992571	Ritvi	eClerx
1710992593	Siddhant Sukheja	eClerx
1710992604	Tanvi	eClerx

Roll No.	Name	Company
1710992536	Inderpreet	Tech Mahindra Limited
1710992569	Riddhi	Tech Mahindra Limited
1710992589	Shivani Sharma	Tech Mahindra Limited
1710992597	Sourav Budhiraja	Tech Mahindra Limited
1710992606	Vedant Pruthi	Tech Mahindra Limited
1710992701	Aashima	Tech Mahindra Limited
1710992705	Amandeep Kaur	Tech Mahindra Limited
1710992738	Sajal	Tech Mahindra Limited
1710992745	Vansh	Tech Mahindra Limited
1710992747	Vineet	Tech Mahindra Limited
1710992749	Zubin	Tech Mahindra Limited
1710992591	Shiven	Teleperformance
1710992592	Shyam	Teleperformance
1710992508	Akanksha	Teleperformance
1710992512	Ankit Kaushik	Teleperformance
1710992567	Rajat	Tech Mahindra Limited

A Brain Teaser

		6	4	8	1	3		
	2						4	
7								9
8				9				4
6			3	4	2			1
5				6				2
3								5
	9						7	
		5	7	1	6	2		

Solution of Last Issue

6	8	1	3	7	4	2	9	5
3	4	7	2	5	9	8	1	6
9	5	2	8	6	1	4	7	3
8	7	9	5	1	2	6	3	4
2	3	4	6	9	7	1	5	8
1	6	5	4	3	8	9	2	7
5	1	6	9	4	3	7	8	2
7	2	3	1	8	6	5	4	9
4	9	8	7	2	5	3	6	1

Editorial Section

We present the current issue of our newsletter and we hope to get due feedback from our readers which can help us in improving our next issues.

“Happy Reading”

CHITKARA UNIVERSITY, PUNJAB

Chandigarh-Patiala National Highway (NH-64), Punjab-140 401

Phone No: +91 1762 507084/86

Website: www.chitkara.edu.in