Nouvelle Liberation

Volume 6, Issue 1

Coverpage Designed by: Paras Khurana

Newsletter
September, 2020

CHITKARA UNIVERSITY

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

INSIDE THE ISSUE

MISSION FATEH

The ongoing war against COVID-19

Mission Fateh symbolizes the resolve of the people of Punjab to halt the spread of the Novel Coronavirus through discipline, cooperation and compassion. In the wake of the lockdown to prevent COVID-19 pandemic from community spread, physical entry for the students in colleges or universities are closed. Adopting novel ways to continuing with the learning process, the Department of Youth Activities, Punjab provided a system i.e. application for all the NSS volunteers. The NSS volunteers had to perform the activities under Mission Fateh by downloading "COVA APP" and by participating in the "COVID Warrior Contest", Government of Punjab.


The Government of Punjab under the MISSION FATEH has started sensitization and awareness campaign for the general public wherein each NSS volunteer conducted door to door awareness to atleast three families. The instructions to be followed by every NSS volunteer while sensitizing people were:

- Inform the Do's and Don'ts in this pandemic period.
- Tell them all the safety measures.
- Instruct them that wearing of mask is necessary while stepping out of home.
- Each NSS volunteer had to click five photographs while interacting with people.

BCA students performed the activity and went door to door for sensitizing their neighbors as well as made meaningful posters to sensitize the public regarding COVID-19.

FEEL THE BEAT
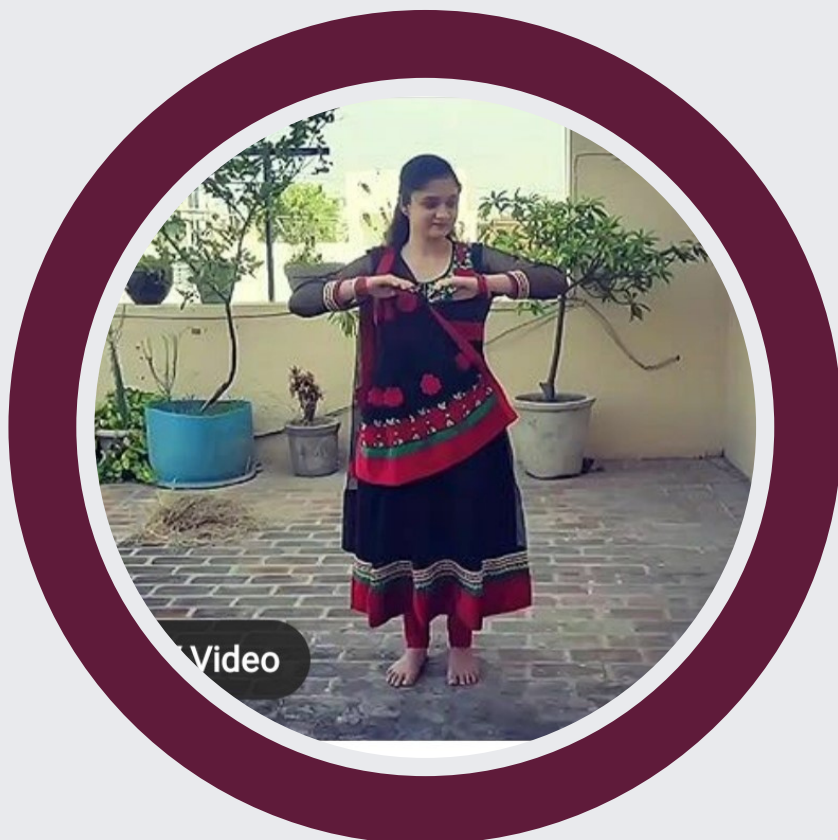
Matrix Club under the aegis of Department of Computer Applications organized a two-week event "Feel the Beat" wherein a number of students participated wholeheartedly.

Round one of the event was based on the performance and the number of likes out of which 12 students were shortlisted.

In the round two of the event, the judges gave the challenge to the finalist for another performance.

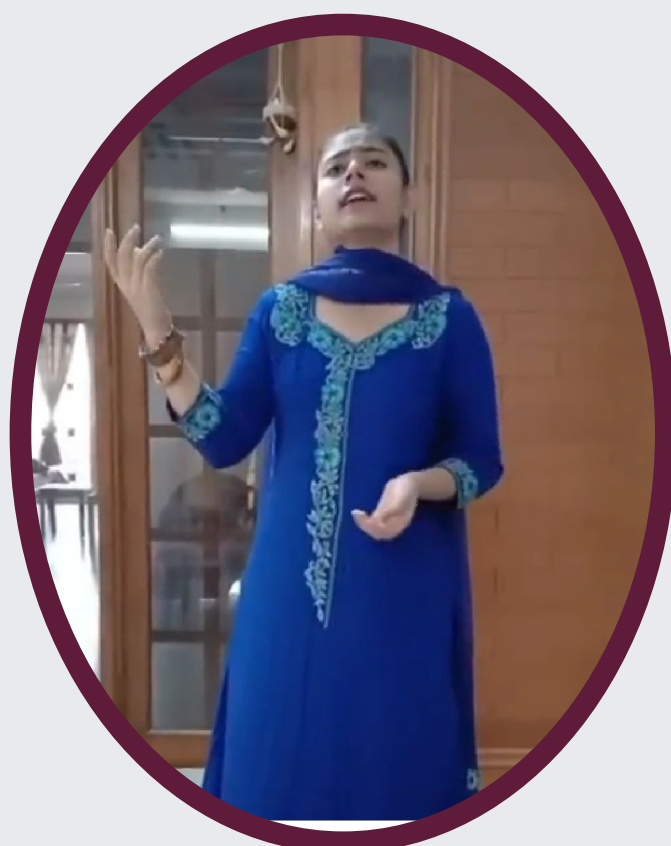## Winners for Singing Competition

Position	Name	Class
1st	Rishabh Mehta	BCA-5th
2nd	Rhythm Rana	BCA-5th

Winners for Dancing Competition

Position	Name	Class
1st	Mohini	MCA-5th
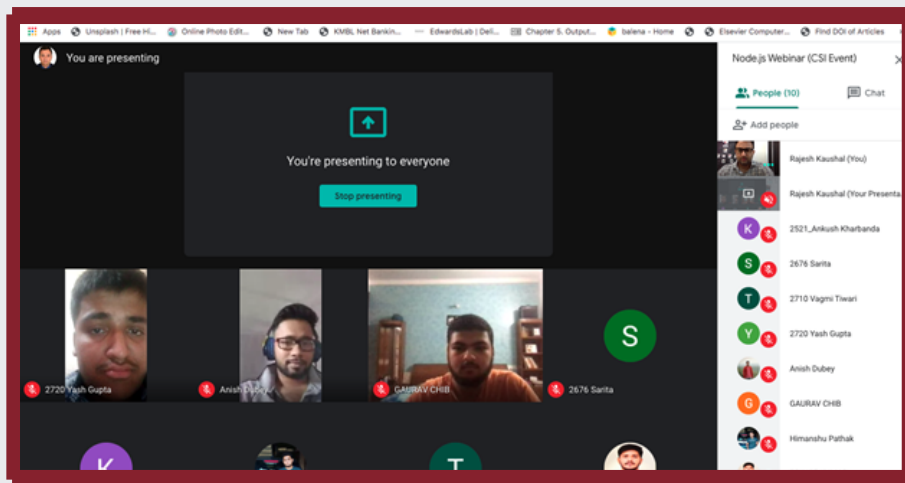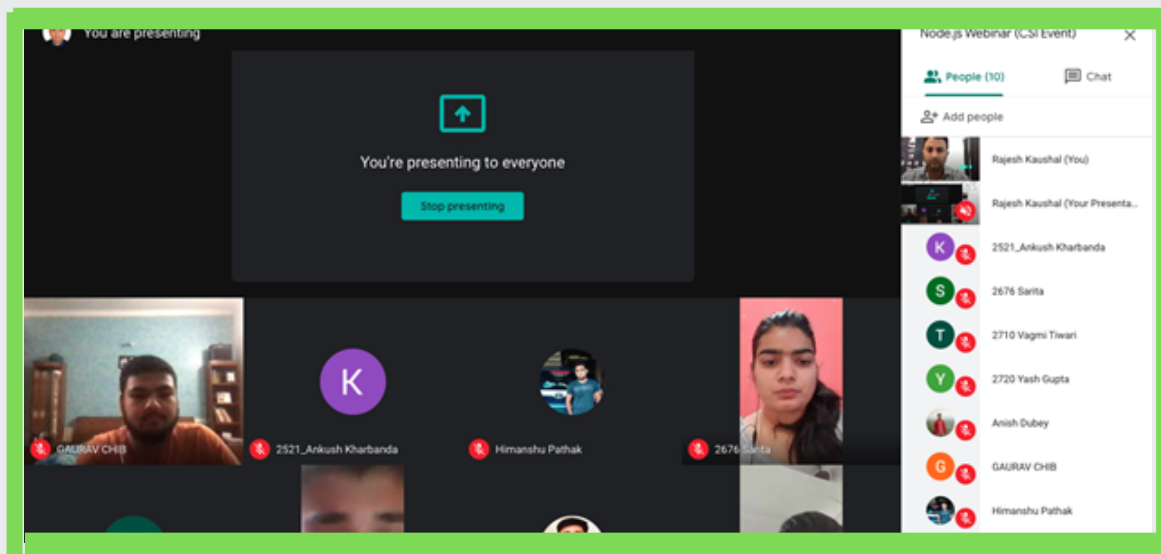
WEBINAR ON "A STARTER'S GUIDE TO NODE.JS FRAMEWORK"

Computer Society of India (CSI) Student Chapter, under the aegis of Department of Computer Applications, Chitkara University, Punjab, organized a webinar on "A Starter's Guide to Node.js Framework" on July 21, 2020.

Resource Person Dr. Rajesh Kaushal provided hands-on information about installation of Node.js, explained about NPM manager and shown the running of Node.js application with Express. Students enthusiastically participated in this event.

WEBINAR ON "DIVING INTO THE WORLD OF IOT"

Computer Society of India (CSI) Student Chapter, under the aegis of Department of Computer Applications, Chitkara University, Punjab, organized a webinar on "Diving into the world of IoT" on July 28, 2020. Resource person Mr. Jaspreet Singh Bajaj (Assistant Professor, Department of Computer Applications) provided information about application areas of IoT, job trends in IoT, skill set required to be an IoT professional, and explained the various components of IoT used to create IoT based projects. Students enthusiastically participated in the webinar.
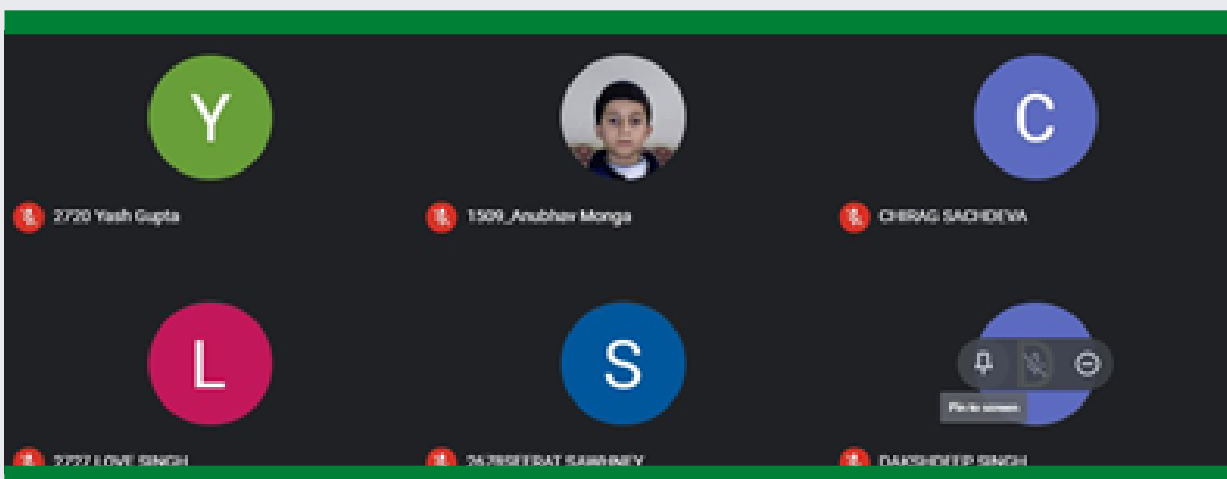
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DIVING into the **World** of **IoT**

Topic covered: Application area of IoT, Future scope of IoT, Microcontroller, IoT based Sensors, IoT based third party cloud.

Resource Person:
Jaspreet Singh Bajaj
Assistant Professor

28th July 2020
2:00 PM to 4:00 PM

*E-Certificates for Participation

FEE:-
CSI Member- **NO Registeration Fee**
NON-CSI Member- **Rs.100/- Per Students**

Organized by:
CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

Skill Set required to be an IoT Professional

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- Programming Skills
- User Interface And Design Skills
- Artificial Intelligence (Machine Learning)
- Analytics And Big Data Knowledge
- Cloud Computing (Edge Computing)
- IoT Hardware Specialist(Microcontroller, Sensors, actuator etc.)
- Network and Security

Jaspreet S. Bajaj

Y — 2720 Yash Gupta

1509_Anubhav Monga

C — CHIRAG SACHDEVA

L — 2727 LOVE SINGH

S — 26785IEDAT SWAMEY

DAKSHDEEP SINGH

BEST-OF-OF-WASTE

World Nature Conservation Day

Department of Computer Applications in collaboration with NSS (Chitkara University) organized "Best-Out-of -Waste" competition on the occasion of World Nature Conservation Day on July 28, 2020 wherein a number of students from various departments participated wholeheartedly and showcased innovative ideas during the lockdown. Students made their material/model out of waste products at home and submitted their videos.

WINNERS

First prize
○ Arashdeep Kaur Dhillon-BCA-3rd (Networking)
Second prize
○ Neha Aggarwal- BCA-3rd
○ Pratibha Verma-BCA-3rd
Third prize
○ Sarita - BCA-3rd

SUCCESS SECRETS

The Matrix Club under the aegis of Department of Computer Applications in collaboration with Guru Jambheshwar University of Science and Technology, Hisar organized a webinar session on "Success Secrets" on August 1, 2020 at 12:30 pm. Human brain is more powerful than any machine, any gadget on this planet and there are so many dimensions and hidden potential in human mind. By revealing the hidden power of human brain, brain exercises, and memory enhancement techniques, we can increase the processing speed of our brain. Mr. Jeetender in his session talked about the ways to improve the concentration power and memorization ability of the human brain. More than 150 participants attended the webinar and have given a very good feedback.

Mr. Jeetender Kumar Jangra, Brain scientist and mindset architect is working as a Principal Investigator, Young Innovator having 10 years of experience and he is currently nominated for "Padmashree Award" for his social service. He took a number of sessions at AIIMS Delhi, IMA, PGIMS Rohtak, IIT's, Indian armed forces, paramilitary forces, education ministry, health ministries of different states.

WORLD SANSKRIT DAY

World Samskritika Week

Sanskrit is one of the oldest languages of the world and has been an integral part of Indian culture. The Government of India in 1969 declared to celebrate "World Sanskrit Day". The Consortium of Sanskrit Universities has decided to celebrate World Sanskrit Day by organizing Samskrita Week celebrations during the first week of August in all the universities of India.

As per the instructions from University Grants Commission, it was mandatory for all the departments to celebrate World Sanskrit Day. The activities to be conducted were:

1. Essay Writing
2. Poetry Writing

The topics of Essay and Poetry writing were:

- Importance of Mother Language in India
- Significance of Sanskrit language in our lives
- Today India needs "Harmony in Diversity, not Unity in Diversity".

The third activity to be conducted was to be opted by the respective department.

Department of Computer Applications organized a Chart/Poster making competition to celebrate "World Sanskrit Day" as a part of the third activity on the topic "India needs Harmony in Diversity".

WINNERS

Chart/Poster making
- Neha Aggarwal-BCA-3rd
- Seerat Sawhney- BCA-3rd

Essay writing
- Pratibha Verma -BCA-3rd

SLEEP, STRESS, OBESITY– DO I HAVE A CHOICE?

A mental health and stress management event was held online on August 6, 2020 at 04:00 PM by Health Champs, New Delhi and Fortis Escorts, New Delhi to help the students struggling with stress, sleeping and eating disorders by bringing up the problems and taking measures for it. The panel consisted of five members:

- Dr. Bhavna Barmi (Sr. Consultant and Sr. Clinical and Child psychologist, Fortis Hospital)
- Aruna Sivaraj (School Head, Himalaya Public School)
- Dr. Sangita Gupta (MBBS, DNB Pediatrics)
- Rupali S.Anaspure (B.Sc. Nutrition, P.G.D. Dietetics, Mumbai)
- Piyush Sharma (B.C.A Student, Chitkara University)
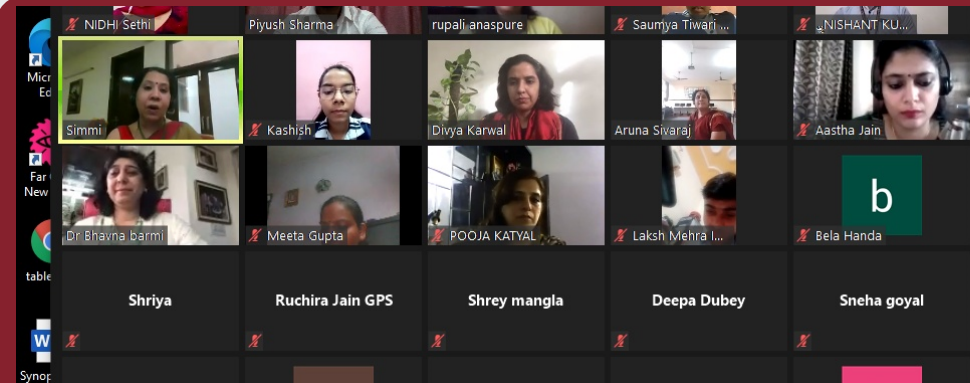
An online session was conducted to interact with the students and to provide a solution for their problems. Many other topics were also discussed such as sleeping disorders, stress management, eating disorders and the power of "I". An effective way to communicate with parents that could bridge the communication gap between parents and their children was also discussed. Many students asked their queries and the panel collectively answered them. The session was very fruitful and helped the students to come up and speak their problems and get a solution for it.

FACE PAINTING COMPETITION

74th Independence Day of india
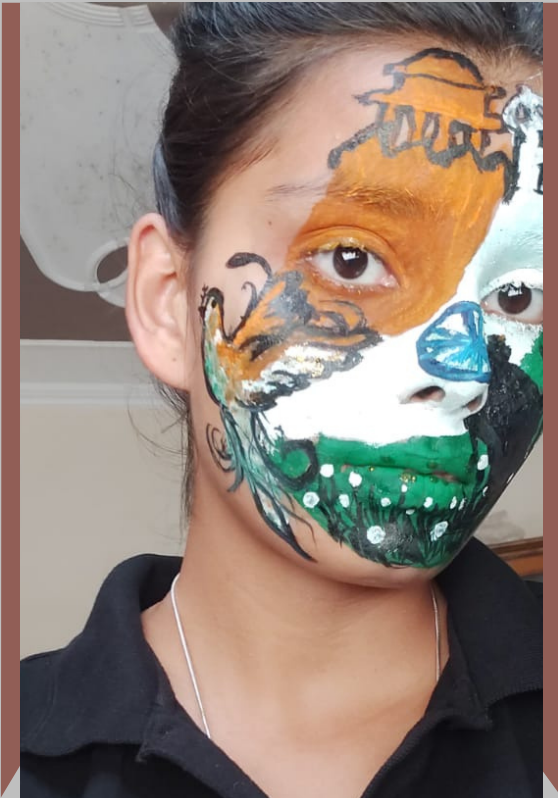
Department of Computer Applications in collaboration with NSS (Chitkara University) organized "Face Painting" competition on the occasion of 74th Independence Day of India on August 15, 2020 wherein, a number of students from various departments participated wholeheartedly and showcased innovative ideas on the theme of ***"Patriotism during Lockdown".*** Students displayed their talent and made artistic paintings on their faces with the help of the tri-color and submitted their photographs.

WINNERS

Neha Aggarwal-BCA-3rd

Arashdeep Kaur-BCA-3rd(Networking)
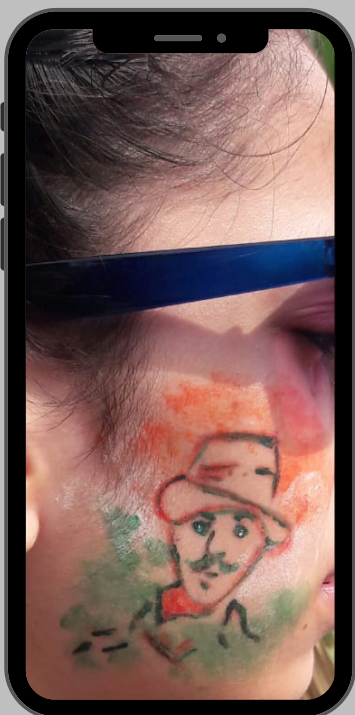
SADBHAVNA DIWAS

I take this solemn pledge that I will work for the emotional oneness and harmony of all the people of India regardless of caste, region, religion or language. I further pledge that I shall resolve all differences among us through dialogue and constitutional means without resorting to violence.

PLEDGE TAKING AND SLOGAN WRITING COMPETITION

Department of Computer Applications under the aegis of NSS (Chitkara University) commemorated the birth anniversary of former Prime Minister of India Late Shri. Rajiv Gandhi by celebrating "Sadbhavana Diwas- 2020" wherein pledge taking ceremony was held and slogan writing competition on the topic "Social Harmony" was organized.

A number of students from various departments participated in the competition and took the pledge.

WINNERS

Position	Name	Class
1st	Sukhjot Kaur	BCA-1st
3rd	Anurag	BCA-3rd

Paper Club

ONLINE WORKSHOP ON RESEARCH PAPER WRITING– FROM CONCEPT TO DISSEMINATION

Writing a scientific research paper is an art as well as a sophisticated knowledge based skill. Very few among the academia understand the finer nuances involved in writing a research paper which is publishable in high quality journals. Dr. Jaiteg Singh (Dean & Professor, DCA), Dr. Ruchi Mittal (Professor, DCA), Dr. Deepika Chaudhary (Associate Professor, DCA), and Mr. Vikas Rattan (Associate Professor, DCA) were the resource persons in 5-day online workshop on *"Research Paper Writing - from Concept to Dissemination"* organized by the Department of Computer Applications, Chitkara University, Punjab from August 24, 2020 to August 28, 2020.
This workshop was expected to encourage the students to write research papers and present their papers in various conferences and journals.

WORKSHOP ON INTRICACIES OF JAVA LANGUAGE

Computer Society of India (CSI) Student Chapter, under the aegis of Department of Computer Applications, Chitkara University, Punjab, organized a 5-Days hands-on workshop on intricacies of Java language. Ms. Nishu Bali (Associate Professor, Department of Computer Applications) was the resource person for the sessions. More than 50 students registered for the workshop. Participants were imparted knowledge on fundamentals of Java programming through Eclipse IDE. Participants showed very good response in the form of queries. Overall it was a wonderful learning experience for the participants.

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INTRICACIES OF JAVA LANGUAGE

24ᵗʰAug to 28ᵗʰAug 2020

Topic Covered :
Introduction to Java | Eclipse Environment | Inheritence
Packages | GUI Creation using AWT and
Applet programming

E-Certificates for participation

Organized By :
**CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab**

Fee :
CSI Member : NO Registration Fee
NON-CSI Member : **Rs. 200/- Per Student**

Resource Person :
Ms. Nishu Bali,
Associate Professor
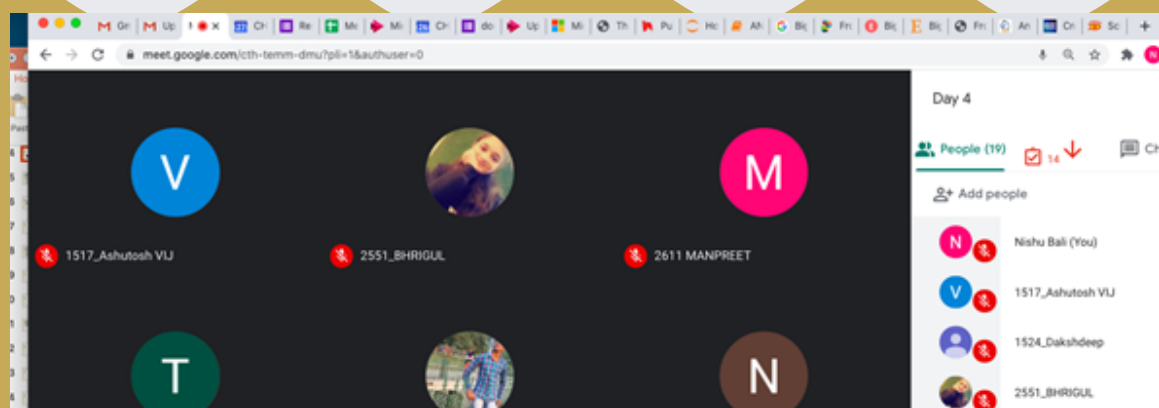
HINDI DIWAS
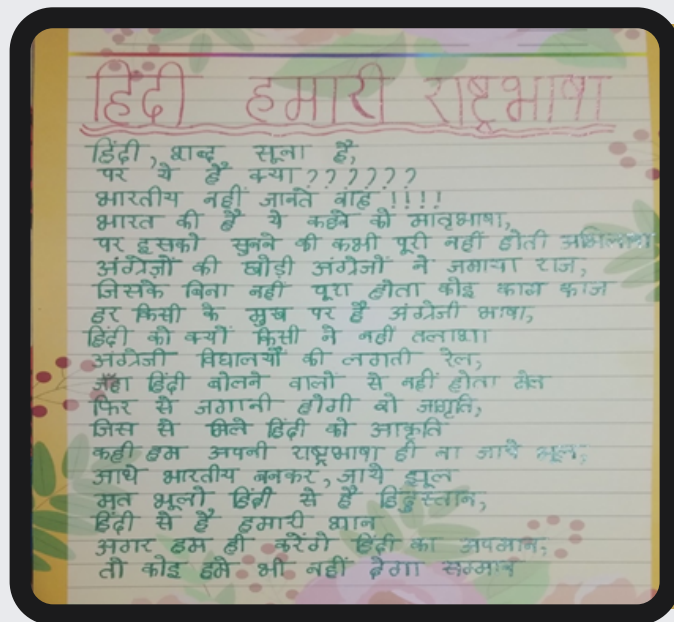
WINNERS
Second Prize
• Piyush Dhiman-MCA-5th Sem
Third Prize
• Himanshu-BCA-3rd Sem

HINDI POETRY COMPETITION

Hindi Hamari Rashtrabhasha

Department of Computer Applications under the aegis of NSS (Chitkara University) organized and celebrated "Hindi Diwas" on September 14, 2020 wherein Hindi poetry competition on the topic of "Hindi Hamari Rashtriyabhasha" was held. A number of NSS volunteers from various departments participated in the event enthusiastically.
The winners of the event were awarded.

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Department of Computer Applications
Celebrates
HINDI DIWAS
In collaboration with NSS Chitkara University
Hindi Poetry Competition
Topic : Hindi Hamari Rashtrabhasha

Date : 14ᵗʰ September, 2020

For More Details Contact:
Hardik : 95416 17885
Gourav : 74043 02051

"Registration is open"
Particiants can register on the link
https://forms.gle/dVKvG358rSKonLmn9
Participants will get e-certificate

WORLD ENGINEER'S DAY

Matrix Club Under the Aegis
of
Department of Computer Applications
Celebrates
World Engineer's Day
Debate Competition
Topic : Pandemic or Plandemic
Date : 15th September, 2020
"Registration is open"
Participants can Register on this Link
https://forms.gle/miMGPUz7ZZ5FkmgF6
Participants will get e-certificate.

To give real service, you must add something which cannot be bought or measured with money.
-Mokshagundam Visvesvarayya
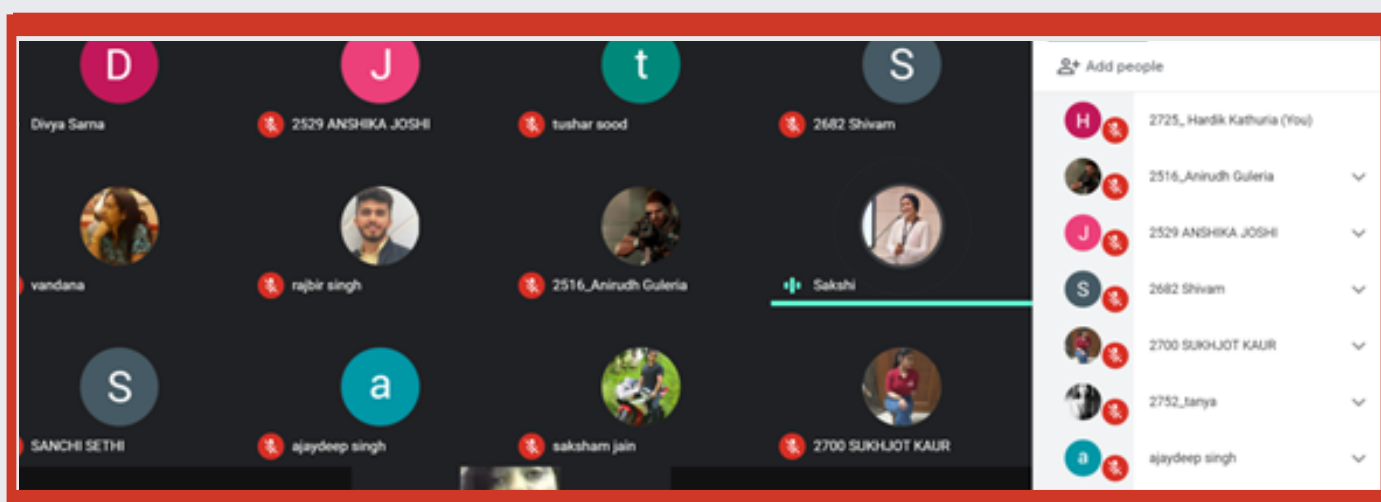
For More Details Contact :
Divya : 8168146064
Shivam : 7082076731

Matrix Club under the aegis of Department of Computer Applications celebrated "World Engineer's Day" on September 15, 2020 wherein debate competition was held on the topic of "PANDEMIC or PLANDEMIC". Topic of debate was selected keeping in mind the situation prevailing in the country due to COVID-19.

Participants presented their ideas, myths and ideologies on this very hot topic of COVID-19.

The event was conducted online and was judged on the basis of confidence, content, communication and clarity.

Winners

Position	Name	Class
1st	Anirudh Guleria	BCA-1st
2nd	Tanya	BCA-1st

INTERNATIONAL PEACE DAY

Winners

Position	Name	Class
1st	Gunjan Setia	BCA-1st
1st	Manisha Mehra	BCA-1st
2nd	Siddharth Bhasin	BCA-1st
2nd	Gunjan Sharma	BCA-1st
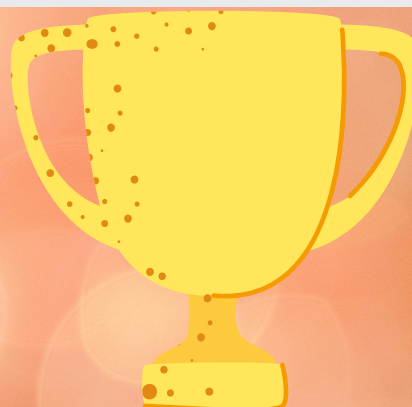
POSTER MAKING COMPETITION

Matrix club under the aegis of Department of Computer Applications organized poster making competition on the occasion of "International Peace Day" on September 21, 2020 wherein a number of students participated from various departments. The topic of the poster competition was "WORLD PEACE". This was the first event for Batch 2020. The students participated very enthusiastically and submitted beautiful posters on the theme of the event. Total 72 students registered for the event and the winners were awarded.

FACULTY ACHIEVEMENTS

- Dr. Jaiteg Singh conducted an online orientation program for the new batches of MCA, BCA, & B.Tech-IT.

- Dr. Jaiteg Singh was a resource person in an online FDP on "Essentials of Research Paper Writing and Data Analysis with Weka" on July 27-28, 2020 at P.V.G's College of Science, Pune.

- Dr. Jaiteg Singh reviewed for various publishers and conferences of repute such as IEEE, Elsevier, and Springer.

- Dr. Jaiteg Singh conducted a session on "Cyber Security Fundamentals" at Priyadarshini Indira Gandhi Govt. College for Women, Jind on August 25, 2020.

- Dr. Ruchi Mittal conducted an FDP on "Essentials of Research Paper Writing and Data Analysis with Weka" on July 27-28, 2020 at P.V.G's College of Science, Pune.

- Dr. Ruchi Mittal conducted a session on "Machine Learning Essentials" for the students of P.V.G's College of Science, Pune on July 11, 2020.

- Dr. Ruchi Mittal conducted a session on "Cyber Security Fundamentals" at Priyadarshini Indira Gandhi Govt. College for Women, Jind on August 25, 2020.

- 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), Springer Series and IEEE.

- Dr. Deepika Chaudhary conducted a webinar on "Excel for Data Analysis" for the Computer Science Department of GCW College of Women Shahzadpur, Ambala on July 10, 2020.

- Dr. Deepika Chaudhary conducted a webinar on "How to Write a Research Paper" for the faculty members of Naryana e-Techno School, Mohali on August 21, 2020.

- Dr. Deepika Chaudhary and Dr. Jaiteg Singh are working on a consultancy project on Digital Marketing for "Klick Media Labs", Mohali.

- Dr. Aman Bhullar was a resource person on August 14, 2020 in One Week FDP on "Applied Artificial Intelligence in Engineering and Basic Sciences" from August 10-15, 2020.

- Mr. Vikas Rattan conducted a session on "Cyber Security Fundamentals" at Priyadarshini Indira Gandhi Govt. College for Women, Jind on August 25, 2020.

- Dr. Varun Malik conducted a session on "Cyber Security Fundamentals" at Priyadarshini Indira Gandhi Govt. College for Women, Jind on August 25, 2020.

- Dr. Geeta Arora conducted a 5-day workshop on "Object Oriented Programming using JAVA" from June 27, 2020 to July 3, 2020 at Department of Computer Applications, Chitkara University, Punjab, India.

- Ms. Jasmeen Kaur completed a course on "Introduction to Cyber Security" from Cisco Networking Academy on August 7, 2020.

- Ms. Puninder Kaur completed a course on "Introduction to Cyber Security" from Cisco Networking Academy on August 7, 2020.

PATENT FILING AND RESEARCH PUBLICATIONS

S. NO.	TITLE	TEAM	FILING DATE	APPLICATION-NO
1.	Design of Book Disinfectant Trolley using UV	Dr. Naveen Kumar Dr. S.N. Panda Dr. Rajesh Kaushal Mr. Simranjit Singh Mr. Jaspreet Bajaj Ms. Jyoti Sharma Mr. Kuldeep	08/08/2020	331764-001
2.	Design for High Heel Shoe with Adjustable Height	Dr. Naveen Kumar Dr. S.N. Panda Dr. Rajesh Kaushal Dr. Prasant Pattnaik Mr. Simranjit Singh Ms. Jyoti Sharma	07/08/2020	331765-001
3.	Apparatus and Method for Monitoring Body Temperature	Dr. Rajesh Kaushal Dr. S.N. Panda Dr. Naveen Kumar Mr. Jaspreet Bajaj Dr. Prasant Pattnaik	07/08/2020	202011033979
4.	Wiper with Drier	Dr. Deepika Chaudhary Dr. Jaiteg Singh Ms. Nishu Bali	08/08/2020	331796-001
5.	Desert Cooler cum Purifier cum Dehumidifier	Ms. Sakshi Mr. Rishi Baadshah Dr. Vinay Kukreja	07/09/2020	333089-001

RESEARCH PUBLICATIONS

- Singh, K., Sharma, B., Singh, J., Srivastava, G., Sharma, S., Aggarwal, A., & Cheng, X. (2020). Local Statistics-based Speckle Reducing Bilateral Filter for Medical Ultrasound Images. Mobile Networks and Applications, 1-23.

- Brar, P. S., & Singh, J. (2020).Contemporary Disaster Management Tools and Techniques. Disaster Advances, Vol. 13 (7) July (2020), 69-80.

- Singh, A., Kaur, A., Gupta, D., Gupta, N., & Gupta, K. (2020). A study of recent issues in cloud computing techniques. Advances in Mathematics: Scientific Journal, *9*(9), 6577-6588.

- Brar, P. S., & Singh, J. (2020, February). A Novel IoT-based Framework for Indoor Rescue Operations. In *2020 Indo–Taiwan 2nd International Conference on Computing, Analytics and Networks (Indo-Taiwan ICAN)* (pp. 330-334). IEEE.

STUDENT ACHIEVEMENTS

NAME	CLASS	EVENT	ORGANIZER	DATE	POSITION
Rishab Mehta	BCA-5Y	Feel the Beat-Singing	Matrix Club, DCA, Chitkara University, Punjab, India	22-26 July, 2020	1st position
Arashdeep Kaur Dhillon	BCA-3C(Networking)	Best-Out-of-Waste	Matrix Club, DCA, Chitkara University, Punjab, India	July 28, 2020	1st position
Arashdeep Kaur Dhillon	BCA-3C(Networking)	Face Painting Competition	Matrix Club, DCA, Chitkara University, Punjab, India	August 15, 2020	1st position
Sukhjot Kaur	BCA-3C	Slogan writing Competition	Matrix Club, DCA, Chitkara University, Punjab, India	August 20, 2020	1st position
Seerat Sawhneh	BCA-3C	Chart making Competition	NSS Unit of DCA, Chitkara University, Punjab, India	August 8, 2020	1st position
Sukhjot Kaur	BCA-3C	English language Competition	Guru Nanak University, Amritsar	July 4, 2020	1st position

STUDENT ACHIEVEMENTS (CERTIFICATIONS)

NAME	CLASS	COURSE NAME	SOURCE	DURATION
Gaurav Kumar	B.Tech-IT-3A	C Programming Language	Udemy	August 3, 2020
Harsh	BCA-5Z	An Introduction to Interactive Programming in Python (Part 1 and 2)	Coursera	September 5, 2020
Aashima Manocha	BCA-5Z	Responsive Web Design	Coursera	September 13, 2020
Aashima Manocha	BCA-5Z	Responsive Website Basics: Code with HTML, CSS and Javascript	Coursera	September 13, 2020
Aashima Manocha	BCA-5Z	An Introduction to Interactive Programming in Python (Part 1 and 2)	Coursera	September 5, 2020
Aashima Manocha	BCA-5Z	Grammar and Punctuation	Coursera	September 1, 2020
Aashima Manocha	BCA-5Z	SQL for Data Science	Coursera	September 1, 2020
Aashima Manocha	BCA-5Z	Research Proposal: Initiating Research	Coursera	September 14, 2020
Harmandeep Kaur	BCA-5Z	Programming for Everybody (Getting started with Python)	Coursera	August 27, 2020
Harmandeep Kaur	BCA-5Z	Python Data Structures	Coursera	September 5, 2020
Suraj Chadha	BCA-3C(Networking)	Object-Oriented Data Structures in C++	Coursera	August 21, 2020
Suraj Chadha	BCA-3C(Networking)	Level 1 of Leadership Development	Toastmaster Pathways	July 9, 2020

STUDENT ACHIEVEMENTS (CERTIFICATIONS)

NAME	CLASS	COURSE NAME	SOURCE	DURATION
Amit Kumar	BCA-UCA-5Z	An Introduction to Interactive Programming in Python (Part 1 and 2)	Coursera	September 2, 2020
Anshul Malhotra	BCA-UCA-5Z	Introduction to Python	Coding Ninja	July – August, 2020
Harinder Singh	BCA-UCA-5Z	Usable Security	Coursera	September 9, 2020
Harinder Singh	BCA-UCA-5Z	Introduction to Artificial Intelligence	Coursera	September 14, 2020
Harinder Singh	BCA-UCA-5Z	Introduction to Cyber Security Tools and Cyber Attacks	Coursera	September 12, 2020
Vipin Kumar	BCA-UCA-5Z	An Introduction to Interactive Programming in Python (Part 1 and 2)	Coursera	August 6, 2020

Placement Record 2K20

BCA and MCA Graduates

PLACEMENTS

ROLL NO.	NAME	COMPANY	STREAM
1910981510	Gurparas Singh	Growth Natives	MCA-5th Sem
1910981516	Kamal	Growth Natives	MCA-5th Sem
1910981524	Mantisha	Growth Natives	MCA-5th Sem
1910981525	Mehak	Growth Natives	MCA-5th Sem
1910981532	Prabhjot Kaur	Intellipat	MCA-5th Sem
1910981547	Sanjoli Aggarwal	XenonStack	MCA-5th Sem
1910981559	Mohini Rana	XenonStack	MCA-5th Sem
1910981560	Sharmistha Dey	XenonStack	MCA-5th Sem
1810992524	Ashmit Mittal	Code Quotient	BCA-5th Sem
1810992531	Divit Joshi	Code Quotient	BCA-5th Sem
1810992598	Piyush Garg	Code Quotient	BCA-5th Sem
1810992628	Dapinder Singh	Code Quotient	BCA-5th Sem
1810992733	Jugal Mishra	Code Quotient	BCA-5th Sem

A Brain Teaser

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

Solution of Last Issue

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

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"