

2019-2020

DEPARTMENT OF COMPUTER SCIENCE



**COMPUTER
SCIENCE
EYE**

**THINK HIGH
LEARN BETTER
WORK HARD
DO DIFFERENT**



GURU NANAK COLLEGE BUDHLADA

**Under the management of SGPC Sri Amritsar Sahib
NAAC Accredited "A" Grade College**

Star College Status by DBT Govt. of India and Skill Hub Institute Selected by NSDC



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Principal's Message



Guru Nanak College, Budhlada is one of the premier institutions of higher education in the state and a leading educational institution of Mansa region. Computer Science Department of the college gives the result of all the activities at the end of year in the form of a magazine. Hence It is a great initiative taken by Faculty members and students to publish a Computer Science Magazine 2019-2020.

Magazine is particularly important as it encourages the students to share the knowledge they have acquired . Writing articles for the magazine also improves the

communication skills of the students. It is common knowledge that representation of an idea is as important as, if not more important, than the idea itself

This Magazine represents a cloud with a silver lining for the world of technology. It aims to Inspire and nurture upcoming engineers to bring a revolution in this ever evolving world of technology. The magazine captures the current technological advancements. To conclude I would like to congratulate the faculty and the students of the editorial team on bringing out the Department Magazine 2019-20 . I hope, This Magazine will enhance the technical, Research and general skills of students. I congratulate to Head of the department, Faculty members and students for taking this step. . I am glad to see that they have lived up to the high standards they had set with the first edition and my best wishes to the students for a Bright future.

Dr. Kuldeep Singh Bal

HOD's Message



Dear readers,

It gives me immense pleasure in unveiling the Department Magazine of Computer Science Department for session 2019-20. Our College is one of the leading institutions in Budhlada region of Mansa District, unique like a prism reflecting the manifold shades of learning and co curricular activities.

Department is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence. The process of learning is extremely important in life. What you learn, how you learn and where you learn play a crucial role in developing ones intellectual capability, besides career.

Hence on behalf of our Computer Science Department, I welcome all of you and congratulate the Magazine team and the faculty coordinator for their brilliant and original efforts for bringing out the Magazine, wishing all the students and faculty will enjoy reading the magazine.

Mrs. Rekha Kalra

Head, Department of Computer Science

(Associate Editor-in-Chief)

Editorial Team

Patrons

Dr. Kuldeep Singh Bal

(Principal)

Associate Editor-in-Chief

Mrs. Rekha Kalra

(Head, Department of Computer Science)

Advisory Committee

Mr. Narinder Singh

(Assistant Professor)

Mrs. Deepali

(Assistant Professor)

Coordinators

Buta Singh (A.P.)

Gurinder Kaur (A.P.)

Student Members

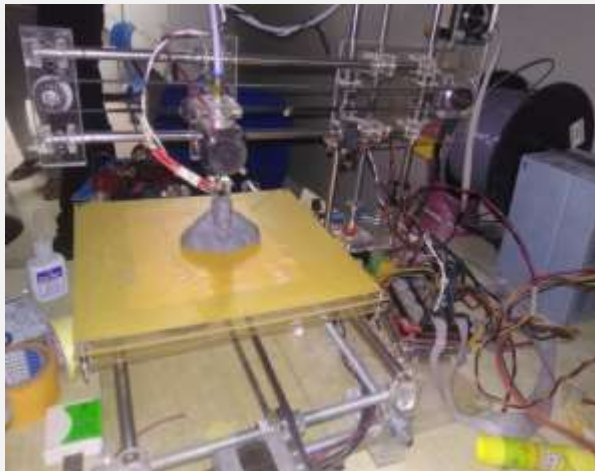
Varinder Singh (BCA-III)

Simranjeet Kaur (MCA-II)

Overview of the Department

Department of Computer Science was build up in 2004 and running with great strength of approximately 400 students. The department functions as a Nodal agency for the department wide networking across the entire institutes and provide internet connectivity to various departments through its servers, radio links and switches. The department has five well designed labs.

The institute has been provided the Wi-Fi connectivity throughout the campus. The department is having **200** computer systems of latest configuration and latest licensed software as per course requirements. Core competencies of the department are in the area of Artificial Intelligence, Network Security, Image processing, Wireless sensor Network and Web development. Post Graduate Department of Computer Science is also running 3 PG courses, 2 UG courses and 2 Add-on courses.



Faculty Profile

Name of Faculty	Qualification	Designation	Specialization
Rekha Kalra	MCA, M.Phil, Ph.D (Pursing)	Head of Department, Assistant Professor	Programming Languages C, C++, Java
Narinder Singh	MCA, M.Phil, Ph.D (Pursing)	Assistant Professor	Artificial Intelligence, Cloud Computing
Lal Singh	M.Tech	Assistant Professor	Linux, Computer Graphics, Data Structure
Geetu	MCA, M.Phil Ph.D (Pursing)	Assistant Professor	Visual Basic, DBMS, Networking
Sandhya vats	MCA, M.Phil	Assistant Professor	Computer Architecture, Operating System, Computer Network, System Software
Nitika Goyal	B.Tech, M.Tech	Assistant Professor	Software Engineering, System Analysis & Design Management Information System
Deepali	B.Tech, M.Tech, JRF UGC(NET), GATE	Assistant Professor	Data Structure, Theory of Computation, Wireless Sensor Network
Gagandeep Kaur	B.Tech, M.Tech, Ph.D Pursing	Assistant Professor	Data Structure, Scripting Languages, Microprocessor, Digital
Gurinder Kaur	MCA, M.Tech	Assistant Professor	Computer Network, Operating System
Buta Singh	B.Tech, M.Tech	Assistant Professor	Computer Graphics, UML, Data Structure
Shabeena	MCA	Assistant Professor	Management of Information System, Programming Language C
Sandeep Singh	MCA	Assistant Professor	Programming Language C, Fundamental of Information Technology
Parmeet kaur	B.Tech., M. Tech	Assistant Professor	Programming (C, Asp.net)
Lovejeet kaur	M.Tech (CE)	Assistant Professor	Data Structure, TOC
Sukhjeet Singh	MCA,NET	Assistant Professor	Artificial Intelligence, TOC,ASP.net
Sukhdeep Kaur	MCA	Assistant Professor	OS, FOC

Top Rankers of the Department

Sr No.	Class	Roll No	Student Name	Marks
1	B.Voc CS 1	18107	RIDHAMJEET SINGH	9.72
2	MCA III	6650	Amandeep Kaur	9.04
3	MCA III	6642	Inderpreet Singh	10
4	MCA III	6646	Mohit Garg	10
5	MCA III	6647	Rohit Mahajan	10
6	MCA III	6650	Amandeep Kaur	10
7	MCA III	6651	Amandeep Kaur	10
8	MCA III	6653	Amna Rani	10
9	MCA III	6654	AMRITPAL KAUR	10
10	MCA III	6660	Gagandeep kaur	10
11	MCA III	6662	Harbant kaur	10
12	MCA III	6663	Hardeep Kaur	10
13	MCA III	6665	Harpreet kaur	10
14	MCA III	6666	Jagdeep Kaur	10
15	MCA III	6669	Jaspreet kaur	10
16	MCA III	6671	Kavljeet Kaur	10
17	MCA III	6674	Manjinder Kaur	10
18	MCA III	6678	Menu Sharma	10
19	MCA III	6679	NAVDEEP KAUR	10
20	MCA III	6681	Neha Aggarwal	10
21	MCA III	6682	Nishu Bansal	10
22	MCA III	6687	rajvir kaur	10
23	MCA III	6690	Ramanpreet kaur	10
24	MCA III	6692	Ravinderpal kaur	10
25	MCA III	6694	Sukhdeep Kaur	10
26	MCA III	6696	sukhwinder kaur	10
27	MCA III	6698	Sunita Rani	10
28	MCA III	6699	veerpal kaur	10
29	MCA LE	7081	gurdeep kaur	10

30	MCA LE	7082	Bhawna	10
31	MCA LE	7083	harpreet kaur	10
32	MCA LE	7084	Princy	10
33	MCA LE	7085	Sukhpreet kaur sidhu	10
34	MCA LE	7086	Deepika	10
35	MCA LE	7088	MANISHA	10
36	MCA LE	7089	Ramandeep kaur	10
37	MCA LE	7090	Ravinder kaur	10
38	MCA LE	7091	AMANDEEP KAUR	10
39	MCA LE	7092	sukhwinder kaur	10
40	MCA LE	7094	POOJA RANI	10
41	MCA LE	7096	Manpreet Kaur	10
42	MCA LE	7097	Bharti	10
43	MCA LE	7098	HARDEEP SINGH	10
44	MCA LE	7099	Manwinder singh	10
45	MCA LE	7100	Ramandeep kaur	10
46	MCA LE	7102	Anjali	10
47	MCA LE	7103	Rimpi kaur	10
48	MCA LE	7104	JASPREET SINGH	10
49	MCA LE	7096	Manpreet Kaur	9.1525
50	MCA II LE	669	KAMALPREET KAUR	10
51	MCA II LE	671	RAJNI	9.17
52	MCA II LE	677	UPINDERPAL KAUR	10

Cultural /Sports Achievements

Sr. No.	Roll No.	Student Name	Class	Game/Event	Position
1	13753	Simranjeet Singh	PGDCA	Table Tanis	First
2	18111	Hardeep Singh	B.Voc. CS-I	VollyBall	First
3	13724	Gurpreet Singh	PGDCA	Loon Miny	Second Prize
4	13760	Akbar Khan	PGDCA	Loon Miny	Second Prize

Extension Activities

Seminar on Java



Mr Ashok Kumar, Softwiz Bathinda delivered the seminar. The seminar focused on showing how to use classes, methods, and the built-in Collections API to manipulate data structures effortlessly on 06-03-2020

Seminar on Cyber Security legal ethical issues

To aware students, about various cyber attacks, one day seminar was organized by the department that was presented by Mr. Parvesh Chaudhary from Delhi on 04 March 2020.



One Day Seminar on PHP

In order to develop web developing skills among the students, Department of Computer Science Organized a one day seminar on PHP where students learnt about writing server side scripting code in PHP and developed projects in PHP. The seminar was presented by Solitare Infosys Private Limited Company Chandigarh on dated 18th Aug. 2019.



Students of B.Voc. (Software Development) –II during practical session of one day seminar on PHP that was held on 18th Aug. 2020.

Seminar on Personality Development

Most institutes in India do not provide personality development programs to students. Help must be provided to students to work on latest social skills. Students in the rural areas are unaware of personality development programs. Counseling, guidance was provided to enhance self-confidence and overcome the fear factor of public speaking. This seminar was delivered to students by Assistant Professor Narinder Singh, from the department of Computer Science, Guru Nanak College, Budhlada on 05-02-2020



Extracurricular activities of the Department

Extracurricular activities teach students how to work for a common goal and this ultimately develops a sense of responsibility in them. It increases the level of confidence and also teaches them how to cooperate and work with people in different conditions. They learn to face the challenges that come in education and career. So keeping all these things in mind department tries to organize various events for the students. Keeping in Mind these extracurricular activities, Department of computer science conducted two days trip at Sri Amritsar Sahib on 22nd Oct. 2020.

One day Trip at Science City Jalandhar

To provide young people with the opportunity to explore informal ways of supplementing formal education and To supplement formal science education, to create excitement among the students about science & technology and to enthuse them to take up careers in science & technology Science City is established in Jalandhar. To make students familiar with past and recent technology, Department of Computer Science organized One day Trip at Pushpa Gujral Science City Jalandhar on date 25th Nov. 2019.



Students of BCA and MCA final Year during One Day Trip at Science City Jalandhar on date 25th Nov. 2019

Guru Nanak Jayanti 2019

550th birth anniversary of Guru Nanak Dev Ji at Sultanpur Lodhi (Punjab)

Guru Nanak Dev Ji is the first Guru of 10 Sikh Gurus and is the founder of the Sikhism religion.

Guru Nanak Jayanti is also known as Guru Parv, Gurupurab or Guru Prakash Parv. According to the Gregorian calendar, it falls in the month of October and November. This festival is not only celebrated in India with full enthusiasm but also in various parts of the world. This year it falls on 12 November 2019.

Guru Nanak Jayanti is a three day festival which is celebrated with full of excitement. Two days prior to the birthday of Guru Nanak Dev Ji, Akhand path is held in the Gurudwaras. In this path, 48 hours of non-stop reading is done of the Guru Granth Sahib, the religious book of the Sikh religion. A day prior to the birthday, a procession is organised which is led by Panj Pyaras and known as Nagarkirtan.

In order to celebrate this sacred day, students of the Department visited Sultanpur Lodhi on date 11th Nov. 2019 along with staff members of the Department.



Students of Computer Science Department along with staff members at Sultanpur Lodhi on 550th Birth Anniversary of Sri Guru Nanak Dev Ji

Role of the Department during COVID-19 Lock down Period

The novel corona virus disease has forced health authorities and government officials to urge people into quarantine, allowing them to leave the safety of their homes under specific circumstances – purchasing essential items, work (if deemed essential workers), or seeking medical attention. With people only going out to get essential items and for work, the world comes to a standstill to ensure disease control and prevention. The severity and reach of the corona virus pandemic have drastically changed our everyday lives. In the middle of all the chaos and confusion the virus brings, it seems that information technology has a crucial role in maintaining a sense of normality.

No doubt, Information technology helped us through the corona virus pandemic in various ways like people to communicate and work from their homes because IT includes all aspects of sharing information over a variety of networks and the internet as a whole

Hence, In order to minimize the loss of study regarding students of the department, Department of Computer Science organized various online events during Covid-19 lock down period like Online Workshops, Webinars, and Free Online Courses for any student who wants to gain knowledge in the field of Computer Science. In this way, Department have been played an important role to minimize the loss of study of students by keeping them busy in such events.

Free Online Certificate Courses

While many critical needs are being addressed during the pandemic, an important factor to keep in mind is education. The COVID-19 crisis has resulted in many schools and colleges all over the world closing their doors to students. Education shapes us and plays a large role in the way we develop. If education is affected, it can have a detrimental impact on children and young adults who are looking to enhance their knowledge and quality of life.

The good news here is that this does not mean the end of education. Educational institutions utilized IT to create alternative learning pathways through digital technologies and online educator resources.

Hence to keep student learning during Covid-19 Days Department of Computer Science organized Free Online Courses in different subjects of Computer Science like PHP, Computer

Graphics, Oracle, Web Technology, MIS, Java, DBMS, Software Engineering, C++, Python, Windows Server, Data Structure, AI and Personality Development starting from beginning period of Covid-19 lock down i.e. from date 27th April 2020. In these Courses almost 200 students' participated and digital certificates were awarded to students after the successful completion of it.

ਪੇਸਟ ਗੈਜ਼ਟੇਟ ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਵਿਭਾਗ
ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਬੁਢਲਾਡਾ

Contact No.: 81465-22759

Online CERTIFICATE Courses
 Starting From 27 April 2020

ਇਨ੍ਹਾਂ ਕੋਰਸਾਂ ਦੀ ਕੋਈ ਫੀਸ ਨਹੀਂ ਹੈ।

Registration Till 26 April 2020

ਹਦਾਇਤਾ:
 1) ਇਹ ਕੋਰਸ ਆਨਲਾਈਨ ਹੀ ਕਰਵਾਏ ਜਾਣਗੇ।
 2) ਕੋਰਸ ਪੂਰਾ ਹੋਣ ਤੇ ਆਨਲਾਈਨ ਪ੍ਰੀਖਿਆ ਵੀ ਲਈ ਜਾਵੇਗੀ।
 3) ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਰਟੀਫਿਕੇਟ ਵੀ ਦਿੱਤੇ ਜਾਣਗੇ।
 4) ਵਿਦਿਆਰਥੀ ਇੱਕ ਤੋਂ ਜ਼ਿਆਦਾ ਕੋਰਸ ਕਰ ਸਕਦੇ ਹਨ।
 5) ਕੋਰਸ ਜਾਣਕਾਰੀ ਲਈ ਹੁਸੀ ਵਿਭਾਗ ਦੇ ਮੁੱਖੀ ਨਾਲ 81465-22759 ਤੇ ਸੰਪਰਕ ਕਰ ਸਕਦੇ ਹੋ।

For more Details & Registration Visit www.gncbudhlada.org

Free Online Certificate Courses that were started from 27th April 2020, Brousher Launched by Department of Computer Science

ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਦੇ ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਵਿਭਾਗ ਵੱਲੋਂ ਆਨਲਾਈਨ ਕੋਰਸ ਸ਼ੁਰੂ



ਕਾਲਜ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਕੁਲਦੀਪ ਸਿੰਘ ਬੱਲ ਕਾਲਜ ਦੇ ਅਧਿਆਪਕਾਂ ਨਾਲ ਆਨਲਾਈਨ ਮੀਟਿੰਗ ਕਰਦੇ ਹੋਏ।

ਬੁਢਲਾਡਾ, 27 ਅਪ੍ਰੈਲ ()-ਸਥਾਨਕ ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਦੇ ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਵਿਭਾਗ ਵੱਲੋਂ ਆਨਲਾਈਨ ਕੋਰਸ ਸ਼ੁਰੂ ਕੀਤੇ ਗਏ ਹਨ ਜਿਸ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿੰਦੇ ਹੋਏ ਕਾਲਜ ਦੇ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਕੁਲਦੀਪ ਸਿੰਘ ਬੱਲ ਨੇ ਦੱਸਿਆ ਕਿ ਕਾਲਜ ਦੇ ਸਮੂਹ ਵਿਭਾਗ ਦੁਆਰਾ ਪਹਿਲਾਂ ਹੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਨਲਾਈਨ ਕਲਾਸਾਂ ਦਿੱਤੀਆਂ ਜਾ ਰਹੀਆਂ ਹਨ ਜਿਸ ਦੇ ਨਾਲ-ਨਾਲ ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਵਿਭਾਗ ਵੱਲੋਂ ਵੀ ਆਨਲਾਈਨ ਕੋਰਸ ਵੱਖ-ਵੱਖ ਵਿਸ਼ਿਆਂ ਤੇ ਕਰਵਾਏ ਜਾ ਰਹੇ ਹਨ। ਜਿਸ ਵਿੱਚ ਕਮਿਊਨੀਕੇਸ਼ਨ ਸਕਿੱਲ ਅਤੇ ਸ਼ਖਸੀਅਤ ਵਿਕਾਸ ਦਾ ਜਨਰਲ ਕੋਰਸ ਵੀ ਸ਼ਾਮਲ ਹੈ। ਇਹ ਕੋਰਸ ਕਿਸੇ ਵੀ ਵਰਗ ਦਾ ਵਿਅਕਤੀ, ਸਕੂਲ ਅਤੇ ਕਾਲਜ ਦੇ ਵਿਦਿਆਰਥੀ ਘਰ ਬੈਠੇ ਜੁਆਇਨ ਕਰ ਸਕਦਾ ਹੈ। ਇਨ੍ਹਾਂ ਕੋਰਸਾਂ ਦੀ ਕੋਈ ਫੀਸ ਨਹੀਂ ਹੈ ਅਤੇ ਕੋਰਸ ਕਰਨ ਦੇ ਉਪਰੰਤ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਰਟੀਫਿਕੇਟ ਦਿੱਤਾ ਜਾਵੇਗਾ। ਕੰਪਿਊਟਰ ਵਿਭਾਗ ਦੇ ਮੁਖੀ ਰੇਖਾ ਕਾਲਤਾ ਨੇ ਦੱਸਿਆ ਕਿ ਇਹ ਕੋਰਸ ਆਨਲਾਈਨ ਕਰਵਾਉਣ ਲਈ ਗੂਗਲ ਕਲਾਸ ਰੂਮ ਦੀ ਵਰਤੋਂ ਕੀਤੀ ਜਾ ਰਹੀ ਹੈ। ਜਿਸ ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਹਰ ਰੋਜ਼ ਕੋਰਸ ਸਬੰਧੀ ਅਧਿਐਨ ਸਮਗਰੀ, ਵੀਡੀਓ ਆਡੀਓ ਲੈਕਚਰ ਭੇਜੇ ਜਾਣਗੇ ਅਤੇ ਨਾਲ ਹੀ ਉਨ੍ਹਾਂ ਨੂੰ ਅਸਾਈਨਮੈਂਟ ਦਿੱਤੀ ਜਾਵੇਗੀ

ਤਾਂ ਕਿ ਵਿਦਿਆਰਥੀ ਲੈਕਚਰ ਸੁਣਨ ਤੋਂ ਬਾਅਦ ਅਸਾਈਨਮੈਂਟ ਦਾ ਹੱਲ ਕਰਨ ਸਕਣਗੇ। ਇਹ ਕੋਰਸ ਦੇ ਖਤਮ ਹੋਣ ਉਪਰੰਤ ਉਨ੍ਹਾਂ ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਆਨਲਾਈਨ ਇਮਤਿਹਾਨ ਲਿਆ ਜਾਏਗਾ। ਇਨ੍ਹਾਂ ਕੋਰਸਾਂ ਦਾ ਮੁੱਖ ਉਦੇਸ਼ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਇਨਫਾਰਮੇਸ਼ਨ ਟੈਕਨਾਲੋਜੀ ਵਿੱਚ ਆ ਰਹੀਆਂ ਨਵੀਆਂ ਤਕਨੀਕਾਂ ਅਤੇ ਵਿਸ਼ਿਆਂ ਬਾਰੇ ਜਾਗਰੂਕ ਕਰਨਾ ਹੈ। ਉਨ੍ਹਾਂ ਕਿਹਾ ਕਿ ਇਸ ਵਿੱਚ ਪਾਈਥਨ, ਪੀ.ਐੱਚ.ਪੀ., ਏ.ਐਸ.ਪੀ., ਜਾਵਾ, ਕੰਪਿਊਟਰ ਗ੍ਰਾਫਿਕਸ, ਆਰਟੀਫਿਸ਼ਿਅਲ ਇੰਟੈਲੀਜੈਂਸੀ ਆਦਿ ਆਧੁਨਿਕ ਕੋਰਸ ਕਰਵਾਏ ਜਾ ਰਹੇ ਹਨ। ਵਿਭਾਗ ਦੇ ਸੀਨੀਅਰ ਪ੍ਰੋਫੈਸਰ ਨਰਿੰਦਰ ਸਿੰਘ ਜੋ ਇਨ੍ਹਾਂ ਕੋਰਸ ਦਾ ਕੋਆਰਡੀਨੇਟਰ ਵਜੋਂ ਸੰਚਾਲਨ ਕਰ ਰਹੇ ਹਨ ਉਨ੍ਹਾਂ ਨੇ ਦੱਸਿਆ ਕਿ ਸਾਰੇ ਕੋਰਸਾਂ ਨੂੰ ਕਰਵਾਉਣ ਲਈ ਸੇਖਾ ਪਲੇਟਫਾਰਮ ਵਰਤੋਂ ਵਿੱਚ ਲਿਆਂਦਾ ਹੈ ਜਿਸ ਨੂੰ ਵਿਦਿਆਰਥੀ ਬਹੁਤ ਆਸਾਨੀ ਨਾਲ ਸੋਧਾਇਲ ਤੋਂ ਹੀ ਕਰ ਸਕਣਗੇ। ਉਨ੍ਹਾਂ ਦੱਸਿਆ ਕਿ ਇਸ ਬਾਰੇ ਸੰਪੂਰਨ ਜਾਣਕਾਰੀ ਕਾਲਜ ਦੀ ਵੈੱਬਸਾਈਟ ਤੇ ਉਪਲੱਬਧ ਹੈ ਜੋ ਵੀ ਵਿਦਿਆਰਥੀ ਇਹ ਕੋਰਸ ਕਰਨਾ ਚਾਹੁੰਦੇ ਹਨ ਉਹ ਕਾਲਜ ਦੀ ਵੈੱਬ ਸਾਇਟ ਤੇ ਨਿਊਜ਼ ਸੈਕਸ਼ਨ ਵਿੱਚ ਜਾ ਕੇ ਜਾਣਕਾਰੀ ਲੈ ਸਕਦੇ ਹਨ ਅਤੇ ਇਨ੍ਹਾਂ ਕੋਰਸਾਂ ਨਾਲ ਜੁੜ ਸਕਦੇ ਹਨ।

College Prinicpal Dr. Kuldeep Singh Bal Interacting the staff members during beginning of online courses

National Webinar on Virtual Cyber Security & E-Learning

Cyberspace refers to the boundless space known as the Internet. Cyber security is the body of rules put in place for the protection of this cyberspace. The increasing use of e-Learning systems has been documented by numerous studies and shows continuing growth; little attention has been given to the issue of security of e-Learning systems both in research and education.

Security of e-Learning systems represents a unique challenge as numerous systems are accessed and managed via the Internet by thousands of users over hundreds of networks. Because e-Learning systems are open, distributed and interconnected, then security becomes an important challenge in order to ensure that interested, and authorized, actors only have access to the right information at the appropriate time. Hence, with the purpose to implement security on E-Learning, Department of Computer Science Organized a Webinar during Covid-19 lock down period that was presented by Resource Person Ms. Savita Dadhwal (Certified Ethical Hacker) on date June 18th 2020.



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Department of Computer Science
invites you to their Webinar

National Webinar
Virtual World
Cyber Security & E-Learning
Thursday, June 18th, 2020
11:30 AM (ET)

Resource Person:
MS. Savita Dadhwal
CEH - Certified Ethical Hacker
Certified EC-Council Instructor
You Tuber Channel Fortify Solutions
CCNA (Cisco Certified Network Associate)
Red Hat Certified System Administrator (RHCSA)EX200
AWS(Amazon Web services) Solutions Architect Certification
Cyber Security Web Series conducted by Federation of Community Radio station (FCRS)

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Link 

National Webinar on Virtual World Cyber Security and E-Learning Presented by Ms. Savita Dadhwal

Special day celebrations

Teacher's day

Department of Computer Science celebrates Teacher's Day Every year for the encouragement of the staff. Teachers' day is celebrated across the world on various dates. In India, Teachers' day is celebrated on 5th September, the birthday of the former President Sarvpalli Radhakrishnan, a well-known scholar, teacher and promoter of education.

On this special day, students celebrate the contribution of teachers in their lives and shaping up the society.



Staff Member of Department of Computer Science Celebrating Teachers Day on 5th Sept. 2019

Voter Day

Voting is a basic process that helps to form a country's government. One can choose their representatives through voting as voting rights enables people with the right to question the government about issues and clarifications. It also provides a sense of freedom to express opinion in major decision making for the benefit of the country in a democratic nation. By remembering the importance of this department has celebrated this day on 25th January 2020.



Students and Staff of the Department taking oath on Voters Day on dated 25 Jan. 2020

International Women's day

The quality of a woman can be understood with these thoughts “If a woman has to choose between catching a fly ball and saving an infant’s life, she will choose to save the infant’s life without even considering there are men at the base.” Such is the power of a woman.

The ability to nurture life makes a woman the most powerful and strongest being. She can play different roles with ease be it that of a dutiful wife, obedient daughter, caring mother or adoring sister. On this day (8th march 2020) the department organized a competition by giving a chance to students to write an essay on this day.



Female Staff of Department of Computer Science celebrating International Women's Day on March 8, 2020

Creativity and innovation workshop and competition

The Post graduate department of Computer Science organized chart making competition to motivate and enhance the creative skills of the students.



Teachers inspecting charts made by students on the eve of chart making competition conducted by Department of Computer Science

Teacher Corner

5 of the Best Tech Magazines

Magazines for Tech Professionals

- *MIT Technology Review*
- *Information Week*
- *Computer World*
- *PC World*
- *Wired*

Within the vast flood of information relating to technological changes and products, reputable tech magazines make it possible for professionals to successfully maneuver and make sense of the information. As the *Huffington Post* reports, technology is changing at a faster than ever pace, making it difficult to make IT business decisions or keep up with evolving programming

trends. Print and online publications fact check and organize information to help leaders and tech professionals thrive in the shifting landscape. While many publications claim to fill these roles in a reliable and up-to-date manner, not all of them are worth reading. Here are a few of the best.

1. *MIT Technology Review*

The *MIT Technology Review* is a bi-monthly print magazine that has the distinction of being the world's longest running tech magazine. Founded by the Massachusetts Institute of Technology in 1899, the magazine seeks to curate tech information, reviews, and impacts to make it accessible to business and tech professionals. *The Review* believes in the positive potential of technology and has a mission of guiding the use of tech to solve problems and enhance the human condition. Covering a range of topics from IT in business to biotech, this journal is one of the most reputable guides to current technology.

2. *Information Week*

One of many online tech magazines, *Information Week* seeks to connect the IT leadership community through knowledge and networking. The journal only reports on tech products or innovations that directly impact business progress, function, and productivity. Articles written by journalists, peers, and subject experts provide advice and resources on topics like government IT, company data, and security technology.

3. *Computer World*

Computer World is a website and digital magazine that provides advice, instruction, and reviews on technology and advances specifically relating to computers. The site features links to top tech bloggers who are experts in operating systems and using related technology in businesses. Topics of interest to *Computer World* are computer hardware, use of the cloud, internet technology, the creation of networks, and digital security. Some of the publication's most popular articles are tutorials for navigating software products such as "How to Handle Windows 10 Updates."

4. *PC World*

Professionals seeking advice about new gadgets or devices can find a wealth of reviews, tutorials, and information on *PC World*, an online magazine that posts up-to-date tech knowledge through its website. Professionals who subscribe to the digital magazine receive access to content before it is published on the site. Free weekly newsletters are also available for individuals who would like a more frequent source of information delivered to them.

5. *Wired*

A publication of Condé Nast, *Wired* is a monthly magazine that features a variety of tech information including reviews of new products and analyses about technology's impact on current culture. The magazine is accessible to less tech-savvy individuals and includes quirky articles that find an interested audience both within and outside of the tech community. Most of the content in *Wired* is eventually published online. The *Wired* website also contains general interest videos by professionals on topics like the most searched questions on the Internet. This magazine may be viewed in the Condé Nast app.

The ability to navigate tech trends can open new possibilities for businesses. Tech magazines can be an invaluable resource for the endless task of staying updated on technology innovations and products.

Gurinder Kaur
Assistant Professor

How to crack Campus placement Interviews

Most of the placements processes that take place on-campus follow the following steps: Aptitude Test Technical Interview HR Interview Given below are some of points that can help you crack these interviews and get placed through campus placements:

1. Most of the Aptitude tests consist of basic school level math, logical and verbal questions. You can practice these questions through various online websites such as indiabix.com or from books such as the RS Aggarwal book. You might not need much practice if you were good at math in school.
2. Prepare well in advance for the technical interview. The panel might ask you any questions from any of the subjects that you have studied since first year. Also make sure you know the syllabus of the subjects that you have in your current semester. Preparing for interviews/placements is no excuse to neglect your college studies.
3. during the interview, be calm. The company is here because they want to hire you as much as you want to be hired. When asked a questions it's alright to pause and take a moment to collect your ideas.
4. In the HR interview, the panel will ask you basic questions about your strengths and weaknesses, your background, why they should hire you etc. You should prepare such questions in advance. It's not a good sign if the panel asks about your strengths and you sit and wonder what those are while in front of them. The candidate should have evaluated themselves before anyone else can.

I hope this helps you in getting the basic idea of how to go about preparing for campus placements. I wish you all the best. Do well. :)

Shabeena
Assistant Prof.

Efficient Ways to Improve Student Writing

- View the improvement of students' writing as your responsibility. Teaching writing is not only the job of the English department alone. Writing is an essential tool for learning a discipline and helping students improve their writing skills is a responsibility for all faculties.
- Let students know that you value good writing. Stress the importance of clear, thoughtful writing. Faculties who tell students that good writing will be rewarded and poor writing will be penalized receive better essays than instructors who don't make such demands. In the syllabus, on the first day, and throughout the term, remind students that they must make their best effort in expressing themselves on paper. Back up your statements with comments on early assignments that show you really mean it, and your students will respond.
- Regularly assign brief writing exercises in your classes. To vary the pace of a lecture course, ask students to write a few minutes during class. Some mixture of in-class writing, outside writing assignments, and exams with open-ended questions will give students the practice they need to improve their skills.
- Provide guidance throughout the writing process. After you have made the assignment, discuss the value of outlines and notes, explain how to select and narrow a topic, and critique the first draft, define plagiarism as well.
- Don't feel as though you have to read and grade every piece of your students' writing. Ask students to analyze each other's work during class, or ask them to critique their work in small groups. Students will learn that they are writing in order to think more clearly, not obtain a grade. Keep in mind, you can collect students' papers and skim their work.
- Find other faculty members who are trying to use writing more effectively in their courses. Pool ideas about ways in which writing can help students learn more about the subject matter. See if there is sufficient interest in your discipline to warrant drawing up guidelines. Students welcome handouts that give them specific instructions on how to write papers for a particular course or in a particular subject area.

Buta Singh
Assistant Prof.

Student Corner

Blue Brain

One of the most noteworthy ongoing projects is the Project Blue Brain. The scientists are in research to create an artificial brain that can think, respond, take decision and keep anything in the memory. After the death of the body the virtual brain can act as a man. It is the name of the world's first virtual brain, which means a machine that can function entirely as a human brain. The scientists are in research to create an artificial brain that can think, respond, take decision and keep anything in the memory. After the death of the body the virtual brain can act as a man. Therefore, we will never lose the intelligence, knowledge, personality, feelings and memories of the person. The simulations of human brain in this project are carried out on a Blue Gene supercomputer built by IBM. Hence the name "Blue Brain". This is an attempt to reverse engineer the human brain and recreate it at the cellular level inside a computer simulation. The human brain can be mapped to the computer and referred later for reactions and decisions. The research involves studying slices of the brain using microscopes and patch clamp electrodes. Data is collected about different neuron types, which is used to build biologically realistic models of neurons and networks of neurons in the cerebral cortex. Such simulations scaling to the size of a honey bee brain and rat brain have been obtained in accordance with the scheduled machine. Human brain simulations will take nearly a decade more!

There are three main steps to building the virtual brain:

- 1) Data acquisition- involves taking brain slices, placing them under a microscope and measuring the shape and electrical activity of individual neurons.
- 2) Simulation- The simulation step involves synthesizing virtual cells using the algorithms that were found to describe real neurons. The algorithms and parameters are adjusted for the age, species, and disease stage of the animal being simulated.
- 3) Visualization of results- RT Neuron is the primary application used by the BBP for Visualization of neural simulations. The software was developed internally by the BBP team. It is written in C++ and OpenGL.

Gursewak Singh

BCA-2

Payment without Cash

Imagine shopping without cash, it seems to be contradictory, but now not only you can think about it, but also experience it. "UNIFIED PAYMENT INFRASTRUCTURE". In this concept firstly along with the basic details provide your mobile no. and aadhar card no. to the bank in which you have an account. Now an application will be developed which will have the e-up with the bank. The app needs to be installed in the mobile of the cashier of the place you have visited, and in your mobile too. Now, while billing, cashier will add all the products purchased, total it and then ask for your phone no. that you have registered in the bank. After entering the no., that whole bill will sent to the mobile phone whose no. was entered and the customer can now check the bill, verify the amount and press 'OK' twice for the final payment. The whole process involves the following main steps:-

- 1. VERIFICATION OF PRODUCT LIST BY CUSTOMER** While receiving the message, the location of the shop, mall, etc. will be reflected on the receiver's end for the identification. After receiving the bill the customer will press "OK" for the payment transaction.
- 2. BILL RECEIVED BY THE CUSTOMER** This will deduct the bill amount from our bank account and adding to the cashier's account, further deleting the number from the mobile of the cashier for avoiding its misuse.
- 3. TRANSFER OF MONEY** Why GPS?, if we don't have bank balance, then we can enter our parents or friends no. on the cashier's mobile phone along with our name and number succeeding the payment and through the location of the cashier and our details, parent or friend can know that who has done the payment to whom.

ADVANTAGES:

- No need of carrying wallet (i.e. cash, credit/debit cards).
- We can shop even we don't have cash, using the cell. no. of parent or friend.
- Reducing the chance of misusing ATM PIN, as we are not using credit/debit cards.
- All the transaction records will saved in the database.

Rajinder Kaur
BCA-III

Internship

An internship is a short-term, hands-on, supervised work experience with a professional organization that's designed to increase a student's knowledge of a professional career field. Internship can be done on any field based on interest as well as professional experience. It basically widens the horizons of our learning. Whatever we learn in an internship we can use the knowledge as well as impart it in real life works. Internships exist in a wide variety of industries and firms. An internship may be paid, unpaid, (in the form of a spend). Spends are typically a fixed amount of money that is paid out on a regular basis. Usually, interns that are paid through spends are paid on a monthly basis. Paid internships are common in professional fields including medicine, architecture, science, engineering, law, business and advertising. Another type of internship growing in popularity is the virtual internship, in which the intern works remotely and is not physically present at the job location. It provides the capacity to gain job experience without the conventional requirement of being physically present in an office. The internship is conducted via virtual means, such as phone, email, and web communication. Virtual interns generally have the opportunity to work at their own pace. Internship opportunities in India are career specific. College students often choose internships based on their branch of study at University. Students' often see it as a way to develop their capabilities by practically applying the academic elements of their degree and as an opportunity to learn about the work environment. Most of the students apply for internships during their summer and winter breaks. In some universities internship during the college breaks is compulsory and a part of the curriculum. Moreover, many engineering college students also term their training period in the certain industrial organization as an internship.

Depinder Joshi

BCA-III

Cyber Security

Cyber Security plays an important role in the field of information technology .Securing the information have become one of the biggest challenges in the present day. Whenever we think about the cyber security the first thing that comes to our mind is cyber crimes which are increasing immensely day by day. Various Governments and companies are taking many measures in order to prevent these cyber crimes. Besides various measures cyber security is still a very big concern to many. Cyber security refers to the body of technologies, processes, and practices designed to protect networks, devices, programs, and data from attack, damage, or unauthorized access. Cyber security may also be referred to as information technology security. Cyber security is important because government, military, corporate, financial, and medical organizations collect, process, and store unprecedented amounts of data on computers and other devices. A significant portion of that data can be sensitive information, whether that be intellectual property, financial data, personal information, or other types of data for which unauthorized access or exposure could have negative consequences. Organizations transmit sensitive data across networks and to other devices in the course of doing businesses, and cyber security describe the discipline dedicated to protecting that information and the systems used to process or store it. As the volume and sophistication of cyber attacks grow, companies and organizations, especially those that are tasked with safeguarding information relating to national security, health, or financial records, need to take steps to protect their sensitive business and personnel information. As early as March 2013, the nation’s top intelligence officials cautioned that cyber attacks and digital spying are the top threat to national security, eclipsing even terrorism. The most difficult challenge in cyber security is the ever-evolving nature of security risks themselves. Traditionally, organizations and the government have focused most of their cyber security resources on perimeter security to protect only their most crucial system components and defend against known treats. Today, this approach is insufficient, as the threats advance and change more quickly than organizations can keep up with. As a result, advisory organizations promote more proactive and adaptive approaches to cyber security.

Komalpreet Kaur
B.Voc. CS-II

Ethical hacking

Ethical Hacking is the way to find out the weaknesses and vulnerabilities in the system or computer network. It is a way to describe the procedure of hacking in an ethical way for any network. The ethical hacker has the good purpose to do it. Actually it has become the general perception in our mind for hacker that he will be bad, fanatic, criminal and unethical. Basically some of the hacker has even done very badly with some organizations like they have stolen very important information of their customers. In some of the government organizations they have damaged very confidential information like social security numbers and other sensitive information. That is the reason hackers are not having very good reputation. To avoid such conditions many organization have hired many ethical hackers to keep a track on their system and computer network. Ethical hackers are supposing to test and check vulnerabilities and weaknesses in the present system. There is one another face of the coin which tells that without hackers the vulnerabilities and holes of software would remain undiscovered [1]. In this paper I have tried to explain the good and bad face of hacker and even of ethical hackers also and what re the different impact on the different areas of our society. A study shows that almost 90% attacks happen on the inside which shows that easy it is to invade into the system or network for insiders. I have tried to explore the ethics behind the ethical hacking and the problems lie with this particular field of information technology where security is concerned. Though ethical hacking has become a very upcoming technological subject from the last few years, now the doubt remains the true intentions of the hacker. Hackers in this context have had a very measurable impact on society. There are several fields in computing where hackers made measurable impact on society. In this article I have tried to look into different ways how we can make ethical hacking safe and ethical.



Ridhamjeet Singh
B.Voc. CS-II

i-Twin Limitless Pendrive Technology

iTwin is a 'limitless' secure USB device that enables users to access, edit & share all their files & media between any two online computers anywhere in the world. The only limit is the size of your computer's hard drive. iTwin is an innovative solution that allows remote file access without the security and privacy risks of the cloud and USB flash drives. It's very easy to access as a USB device and no special installation is required. iTwin uses thoroughly analyzed crypto protocols and algorithms(AES 256 bit encryption). It has features like bi-directional file access, no temp files, remote disable, smart key generation, password support and twintrust authentication.

iTwin is a revolutionary new file sharing and remote access device brought to you by a company called iTwin. It's like two ends of a cable, without the cable. It's as simple to use as a flash drive. It's literally plug and play. iTwin can connect any two online computers anywhere in the world. iTwin enables you to have access to any or all of your home computer's files and folders while you're on-the-go. Similarly, you can also use iTwin to access to any or all of your office computer's files and folders while on-the-go. There's no in-built limit to the amount of storage you can access with iTwin while you're on-the-go. The only limit is the size of your hard drives. The only other "limit" is the speed of your Internet connection. The faster it is, the better your experience.

You can select files for accessing later on-the-go, or you can edit them remotely, without the files leaving your computer. You can also back-up files to your home or office computer while you're out on-the-go. It's so easy, it's unbelievable

iTwin was invented by an Indian named Lux Anantharaman. When you connect iTwin, you'll see a regular window pop-up, just as you would if you plugged in a regular USB flash drive. Drag and drop files and folders into this window to share them - as many as you want. Leave your computer with one half of iTwin connected to it. Detach the other half of iTwin and take it with you. Wherever you go, you can remotely access the shared files, simply by plugging the half you are carrying into any online Windows computer, anywhere. iTwin allows you to transfer files to - or from - your home computer. Or your office computer. Or your friend's, or your colleague's! iTwin also allows you to edit the shared files on a remote computer, while keeping them on that remote computer, (no need to transfer those files before you edit them).

ਕਿੱਕਲੀ

ਕਿੱਕਲੀ ਪੰਜਾਬੀ ਕੁੜੀਆਂ ਦੀ ਲੋਕ ਖੇਡ ਵੀ ਹੈ ਤੇ ਲੋਕ ਨਾਚ ਵੀ ਹੈ। ਰੇੜੇ ਖੇਡਦਿਆਂ ਨਿਕੇ ਵੀਰਾਂ, ਭੈਣਾਂ ਨੂੰ ਖਿਡਾਉਂਦੀਆਂ ਅਤੇ ਗੁੱਡੇ ਗੁੱਡੀਆਂ ਦੇ ਕਾਜ ਰਚਾਉਂਦੀਆਂ ਹੋਈਆਂ ਕੁੜੀਆਂ ਦਾ ਮਨ ਜਦੋਂ ਹੁਲਾਰਾ ਖਾ ਕੇ ਮਸਤੀ ਦੇ ਵੇਗ ਵਿਚ ਆਉਂਦਾ ਹੈ ਤਾਂ ਉਹ ਜੇਟੇ ਬਣਾ ਕੇ ਇਕਦੂਜੇ ਦੇ ਹੱਥਾਂ ਨੂੰ ਕੰਘੀਆਂ ਪਾ ਕੇ ਘੁੰਮ-ਣ ਲਗ ਜਾਂਦੀਆਂ ਹਨ। ਕਿਉਂਕਿ ਬੱਚਿਆਂ ਨੂੰ ਹੂਟੇ ਲੈਣ ਵਿਚ ਖਾਸ ਆਨੰਦ ਆਉਂਦਾ ਹੈ ਜਿਸ ਕਰਕੇ ਉਹ ਲਾਟੂ ਚਲਾਉਂਦੇ, ਭੰਬੀਰੀਆਂ ਘੁਮਾਉਂਦੇ, ਚਕਰ ਚੁੰਡੇ ਤੇ ਚੰਡੋਲ ਝੂਟਦੇ ਹਨ। ਗੋੜ ਦੀ ਰਫ਼ਤਾਰ ਨਾਲ ਉਹ ਕਿੱਕਲੀ ਦੇ ਗੀਤ ਵੀ ਗਾਉਂਦੀਆਂ ਹਨ।-

ਕਿੱਕਲੀ ਕਲੀਰ ਦੀ
ਪੱਗ ਮੇਰੇ ਵੀਰ ਦੀ
ਦੁਪੱਟਾ ਭਰਜਾਈ ਦਾ
ਫਿਟੇ ਮੂੰਹ ਜਵਾਈ ਦਾ।

ਰਮਨਜੀਤ ਕੌਰ

ਐੱਮ.ਐੱਸ.ਸੀ.ਆਈ.ਟੀ. (ਭਾਗ ਦੂਜਾ)

ਲੇਰੀਧੀ ਲਈ-

ਆ ਨੀ ਨੀਂਦੇ ਛੇਤੀ ਆ ।
ਮੇਰੀ ਧੀ ਨੂੰ ਥਾਪੜ ਜਾ ।
ਤਿਤਲੀ ਬਣ ਕੇ ਖੰਭ ਫੈਲਾ ।
ਮੇਰੀ ਧੀ ਨੂੰ ਪੱਖਾ ਝੁਲਾ ।

ਹੱਸਦੀ ਹੱਸਦੀ ਥੱਕ ਜਾਂਦੀ ਏ ।
ਨੱਸਦੀ ਨੱਸਦੀ ਅੱਕ ਜਾਂਦੀ ਏ ।
ਆ ਕੇ ਇਹਨੂੰ ਲੇਰੀ ਸੁਣਾ ।
ਮਨ ਇਹਦੇ ਨੂੰ ਆ ਪਰਚਾ ।
ਆ ਨੀ ਨੀਂਦੇ ਛੇਤੀ ਆ ।

ਸੁਪਨਿਆਂ ਦੇ ਇਹਨੂੰ ਦੇਸ਼ ਲਿਜਾਈਂ ।
ਪਰੀਆਂ ਦੀ ਇਹਨੂੰ ਗੋਦ ਬਿਠਾਈਂ ।
ਕਿਰਨਾਂ ਦੀ ਅਸਵਾਰ ਬਣਾ ।

ਤਾਰਿਆਂ ਕੋਲੇ ਲੈ ਕੇ ਜਾ ।
ਆ ਨੀ ਨੀਂਦੇ ਛੇਤੀ ਆ ।

ਦੁੱਧ ਨਦੀ- 'ਚੋਂ ਦੁੱਧ ਪਿਆ ਕੇ ।
ਗਗਨਾਂ ਦਾ ਸੰਗੀਤ ਸੁਣਾ ਕੇ ।
ਮੁੜ ਕੇ ਚਾਈਂ ਚਾਈਂ ਆ ।
ਸਾਡੇ ਕੋਲੇ ਮੁੜ ਛੱਡ ਜਾ ।
ਆ ਨੀ ਨੀਂਦੇ ਛੇਤੀ ਆ ।

ਸੋਨੀਆ ਰਾਣੀ

ਬੀ.ਵੈਕ. (ਐੱਸ.ਡੀ.) ਭਾਗ ਤੀਜਾ

ਕੋਣ ਤੁਸੀਂ ਤੇ ਕੋਣ ਅਸੀਂ

ਜਿਦਦ ਦੀ ਉਸ ਭਰੀ ਉਡਾਰੀ, ਕੋਣ ਤੁਸੀਂ ਤੇ ਕੋਣ ਅਸੀਂ ?
ਪੈਦਲ ਟੁਰਦੇ ਕਰੀ ਸਵਾਰੀ, ਕੋਣ ਤੁਸੀਂ ਤੇ ਕੋਣ ਅਸੀਂ ?

ਖੇਤੀਂ ਜਾਂਦੇ 'ਕੱਠੇ ਹੋ ਕੇ, ਹੇਲਾਂ ਚੱਬਦੇ ਰਹਿੰਦੇ ਸਾਂ;
ਬੋਟੀ ਸੰਘੋ ਹੇਠ ਉਤਾਰੀ, ਕੋਣ ਤੁਸੀਂ ਤੇ ਕੋਣ ਅਸੀਂ ?

ਬੈਠ ਖੁੰਢਾਂ 'ਤੇ ਗੱਲਾਂ ਕਰਦੇ, ਉਸਦਾ ਉੱਚਾ ਹਾਸਾ ਸੀ;
ਬੈਠਾ ਵੇਖੇ ਉੱਚ ਅਟਾਰੀ, ਕੋਣ ਤੁਸੀਂ ਤੇ ਕੋਣ ਅਸੀਂ ?

ਗੱਲ ਸਾਦਗੀ ਨਾਲ ਸੀ ਕਰਦਾ, ਕਦੇ ਲੁਕੇ ਨਾ ਰਖਦਾ ਸੀ;
ਦਿਲ ਅੰਦਰ ਆ ਗਈ ਮੱਕਾਰੀ, ਕੋਣ ਤੁਸੀਂ ਤੇ ਕੋਣ ਅਸੀਂ ?

ਕਿਸੇ ਨੂੰ ਜਾਂ ਫਸਿਆ ਵੇਹਦਾ, ਉਸ ਵੱਲ ਭੱਜਾ ਆਉਂਦਾ ਸੀ;
ਆਪਣਿਆਂ ਸੰਗ ਕਰੀ ਗੱਦਾਰੀ, ਕੋਣ ਤੁਸੀਂ ਤੇ ਕੋਣ ਅਸੀਂ ?

ਸਤਵਿੰਦਰ ਸਿੰਘ, ਬੀ.ਸੀ.ਏ ਭਾਗ ਦੂਜਾ

ਸੱਚ ਤੇ ਝੂਠ

ਹਰ ਪੱਖ ਨੂੰ ਸਾਬਤ ਕਰਨ ਲਈ
ਕੋਈ ਨਾ ਕੋਈ
ਦਲੀਲ ਲੱਭ ਹੀ ਆਉਂਦੀ ਏ

ਤੇ,

ਹਰ ਦਲੀਲ ਦੀ ਪੁਸ਼ਟੀ ਲਈ
ਕੋਈ ਨਾ ਕੋਈ
ਤਸਬੀਹ ਵੀ ਮਿਲ ਹੀ ਜਾਂਦੀ ਹੈ

ਪਰ ਦਲੀਲਾਂ ਤੇ ਤਸਬੀਹਾਂ
ਨਾਲ ਕੀ ਹੁੰਦਾ ਹੈ

ਸੱਚ ਤੇ ਸੱਚ ਹੀ ਰਹਿੰਦਾ ਹੈ

ਤੇ ਸੱਚ ਇਹ ਹੈ
ਕਿ ਝੂਠ ਕੁੱਝ ਨਹੀਂ।

ਹਰਪ੍ਰੀਤ ਕੌਰ
ਐੱਮ.ਸੀ.ਏ. ਭਾਗ ਦੂਜਾ

Acknowledgements

At the end, we would like to extend our sincere gratitude to our management for their constant support. Also we would like to thank our Principal, Dr. Kuldeep Singh Bal for their encouragement. We would also like to thank our HOD Dr. Rekha Kalra for the innovative ideas included to our magazine, and Faculty Incharge for this issue Dr. Narinder Singh for shaping this magazine. Lastly we would like to thank all the faculty members, students and all stakeholders for their valuable inputs.

The Editorial Team
Department Magazine 2019-20
Department of Computer Science

Department in News



ਕੌਮਐੱਸਸੀ ਆਈਟੀ ਦਾ ਨਤੀਜਾ ਰਿਹਾ ਸ਼ਾਨਦਾਰ

ਕੌਮਐੱਸਸੀ ਪ੍ਰੋਗਰਾਮ, ਕੁਲਦੇਵ ਸਿੰਘ ਭੱਲ ਨੇ ਸ਼ਾਨਦਾਰ ਨਤੀਜਾ ਪੇਸ਼ ਕੀਤਾ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ।

ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਲਈ ਆਨਲਾਈਨ ਜਮਾਤਾਂ ਦੀ ਸ਼ੁਰੂਆਤ

ਕਾਲਜ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਕੁਲਦੇਵ ਸਿੰਘ ਭੱਲ ਨੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸ਼ੁਰੂਆਤੀ ਸਲਾਹ ਦਿੱਤੀ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ।



ਡਾ. ਕੁਲਦੇਵ ਸਿੰਘ ਭੱਲ

ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਦੇ ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਵਿਭਾਗ ਵੱਲੋਂ ਆਨਲਾਈਨ ਕੋਰਸ ਸ਼ੁਰੂ



ਕਾਲਜ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਕੁਲਦੇਵ ਸਿੰਘ ਭੱਲ ਨੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸ਼ੁਰੂਆਤੀ ਸਲਾਹ ਦਿੱਤੀ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ।

ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਦੇ ਐੱਮ ਸੀ ਏ ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਰਚਿਆ ਇਤਿਹਾਸ

ਯੂਨੀਵਰਸਿਟੀ ਦੇ ਨਤੀਜਿਆਂ 'ਚ 46 ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਹਾਸਿਲ ਕੀਤੇ ਸੌ ਪ੍ਰਤੀਸ਼ਟ ਅੰਕ

ਕੁਲਦੇਵ ਸਿੰਘ ਭੱਲ ਨੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸ਼ੁਰੂਆਤੀ ਸਲਾਹ ਦਿੱਤੀ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ। ਉਹਨਾਂ ਨੇ ਕਿਹਾ ਕਿ ਉਹਨਾਂ ਨੇ ਪੂਰਨ ਆਪਣੇ ਕੰਮਾਂ ਨੂੰ ਸਮਝਣ ਅਤੇ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਮਝਣ ਵਿੱਚ ਮਦਦ ਕੀਤੀ।



ਵਿਦਵਾਨ ਪ੍ਰਿੰਸੀਪਲ ਹਰਮਿਲ ਕੌਰ ਵਾਲੇ ਵਿਦਿਆਰਥੀਆਂ ਦੀਆਂ ਤਸਵੀਰਾਂ

ਸਾਈਬਰ ਸਿਕਿਓਰਿਟੀ ਅਤੇ ਐਥੀਕਲ ਹੈਕਿੰਗ ਵਿਸ਼ੇ ਉੱਪਰ ਗੋਸਟ ਲੈਕਚਰ

ਸੁਖਨਾਮਾ • ਚਰਚਿਤਰ ਸਿੰਘ ਕੋਹਲੀ
 ਸਮਾਨਤਕ ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਸੁਖਨਾਮਾ ਦੇ ਕੋਪਿਉਟਰ ਵਿਭਾਗ ਵੱਲੋਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਨਵੇਂ ਸ਼ੁਰੂ ਕੀਤੇ ਗਏ ਥੀ ਆਰ ਸਾਈਬਰ ਸਿਕਿਓਰਿਟੀ ਕੋਰਸ ਸਬੰਧੀ ਉੱਚੇਰੀ ਸਿਖਿਆ ਦੇਣ ਲਈ ਆਗਰ ਤੇ ਐਕਸਪਰਟ ਲੈਕਚਰਾਰ ਭਲਾ ਕੇ ਲਈ ਸ਼ੁਰੂ ਕੀਤੀ ਗਈ ਸੀ ਜਿਸ ਵਿੱਚ ਅੱਜ ਗੋਸਟ ਲੈਕਚਰ ਕਰਵਾਇਆ ਗਿਆ। ਇਸ ਸਬੰਧੀ ਥੀ ਆਰ ਦੇ ਨੇਡਲ ਅਕਸਰ ਨਹਿਦਰ ਕਾਲਜ ਨੇ ਦਾਇਆ ਕਿ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਇੰਟਰਨੈਟ ਸਿਕਿਓਰਿਟੀ ਅਤੇ ਹੈਕਿੰਗ ਸਬੰਧੀ ਜਾਣਕਾਰੀ ਦੇਣ ਲਈ ਸ਼ੁਰੂ ਕੀਤੇ ਗਏ ਕੋਰਸ ਥੀ ਆਰ ਸਾਈਬਰ ਸਿਕਿਓਰਿਟੀ ਕੋਰਸ ਸ਼ੁਰੂ ਕੀਤਾ ਹੈ ਜਿਸ ਅਨੁਸਾਰ ਅੱਜ ਚੰਡੀਗੜ੍ਹ ਤੇ ਐਥੀਕਲ ਹੈਕਰ ਅਤੇ ਸਾਈਬਰ ਸਿਕਿਓਰਿਟੀ ਐਕਸਪਰਟ ਸਾਹਿਲ ਚਾਪਲਾ ਦਾ ਗੋਸਟ ਲੈਕਚਰ ਕਰਵਾਇਆ ਗਿਆ ਤੇ ਕਿ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਇਸ ਸਬੰਧੀ ਉੱਚੇਰੀ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਹੋ ਸਕੇ। ਉਨ੍ਹਾਂ ਕਿਹਾ ਕਿ ਵਿਭਾਗ ਵੱਲੋਂ ਹਰ ਵਰਕ ਦੇ ਸਨੀਚਾਰ ਸਾਈਬਰ ਸਿਕਿਓਰਿਟੀ ਅਤੇ ਹੈਕਿੰਗ ਅਤੇ ਕੋਰਸ ਦੇ ਅਨੁਸਾਰ ਵਿਭਿਅ ਉੱਪਰ ਗੋਸਟ ਲੈਕਚਰ ਕਰਵਾਏ ਜਾਣਗੇ। ਇਸ ਮੌਕੇ ਸਾਹਿਲ ਚਾਪਲਾ ਨੇ ਦਾਇਆ ਕਿ ਇਸ ਲੈਕਚਰ ਵਿੱਚ ਸਾਈਬਰ

ਸਿਕਿਓਰਿਟੀ ਵਿੱਚ ਕੋਰੀਅਰ, ਕਿਸ ਕਿਸ ਵਿਭਾਗ ਵਿੱਚ ਸਾਈਬਰ ਸਿਕਿਓਰਿਟੀ ਐਕਸਪਰਟ ਦੀ ਸ਼ੁਰੂਤ ਹੈ ਅਤੇ ਆਈਆ ਐਕਸਪਰਟ ਬਣਨ ਲਈ ਸਾਨੂੰ ਕੀ ਕੁਝ ਸਿਖਣ ਦੀ ਲੋੜ ਹੈ ਥਾਏ ਜਾਣਕਾਰੀ ਦਿੱਤੀ ਗਈ। ਇਸ ਵਿਭਾਗ ਉਨ੍ਹਾਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਦਾਇਆ ਕਿ ਹੈਕਿੰਗ ਤੇ ਬਚਣ ਲਈ ਸਾਨੂੰ ਕਿਹੜੀਆਂ ਕਿਹੜੀਆਂ ਸਾਫਟਵੇਅਰਾਂ ਆਰਵਾਈਆਂ ਵਰਤਣੀਆਂ ਚਾਹੀਦੀਆਂ ਹਨ। ਜਿਥੇ ਕਿ ਕਿਸੇ ਪਬਲਿਕ ਕੋਪਿਉਟਰ ਦਾ ਇਸਤੇਮਾਲ ਨਹੀਂ ਕਰਨਾ ਚਾਹੀਦਾ ਕਿਉਂਕਿ ਉਸ ਵਿੱਚ ਹੈਕਿੰਗ ਸਾਫਟਵੇਅਰ ਹੁੰਦੇ ਹਨ ਜਿਸੇ ਨਾਲ ਭਾਣਾ ਹੋਕ ਹੋ ਜਾਦਾ ਹੈ। ਉਨ੍ਹਾਂ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਦਾਇਆ ਕਿ ਸਾਨੂੰ ਹਮੇਸ਼ਾ ਕੋਪਿਉਟਰ ਅਤੇ ਮੋਬਾਈਲ ਵਿੱਚ ਐਂਟੀਵਾਇਰਸ ਦੀ ਵਰਤੋਂ ਕਰਨੀ ਚਾਹੀਦੀ ਹੈ ਤੇ ਕਿ ਅਗਰ ਇੰਟਰਨੈਟ ਤੇ ਕਿਸੇ ਡਾਠਾ ਹੈਕਿੰਗ ਆਇਕਸ ਆਉਦਾ ਹੈ ਤੇ ਉਸ ਤੇ ਸਚਿਆ ਜਾ ਸਕੇ। ਇਸ ਮੌਕੇ ਤੇ ਥੀ ਆਰ ਸਾਈਬਰ ਸਿਕਿਓਰਿਟੀ, ਸਿਟਵੇਅਰ ਡਿਵੈਲਪਮੈਂਟ ਅਤੇ ਐੱਮ ਐੱਚ ਕਾਲਜ ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਭਾਗ ਲਿਆ। ਇਸ ਮੌਕੇ ਕੋਪਿਉਟਰ ਵਿਭਾਗ ਦੇ ਮੁਖੀ ਹੋਰਾ ਕਾਲਜਾ, ਰਾਗਨਦੀਪ ਕੌਰ, ਲਖਵੀਰ ਕੌਰ, ਚਰਚਿਤਰ ਕੌਰ ਅਤੇ ਚਿਹਨਾ ਕੋਰਾ ਨਾਲ ਸਬੰਧਿਤ ਅਧਿਆਪਕ ਹਾਜਰ ਸਨ।



ਗੁਰਨਾਨਕ ਕਾਲੇਜ ਦੇ ਥੀ.ਵਾਕ. ਕਾ ਨੀਤੀਜਾ ਰਛਾ ਸ਼ਾਨਦਾਰ



ਕੰਪਿਊਟਰ ਵਿਭਾਗ ਦੇ ਮੁਖੀ ਰੇਖਾ ਕਾਲਝ ਦੇ ਸਾਥ ਵਿਧਾਰਥੀ।

ਸੁਖਨਾਮਾ (ਅਮਿਤ): ਪੰਜਾਬੀ ਯੂਨਿਵਰਸਿਟੀ ਪਟਿਆਲਾ ਦੁਆਰਾ ਡੀ ਆਰ ਸੋਫਟਵੇਅਰ ਡਵਲਪਮੈਂਟ ਆਗਰ ਤੀਸਰਾ ਸੈਮਿਸਟਰ ਡੇਵਲੋਪ ਕੀਤੀ ਜਾ ਰਹੀ ਸੀ। ਪਰੀਖਾ ਮੌਕੇ ਵਿਧਾਰਥੀਆਂ ਨੇ ਆਪਣਾ ਸ਼ਾਨਦਾਰ ਪ੍ਰਦਰਸ਼ਨ ਕੀਤਾ, ਜਿਸਮੌਕੇ ਵਿਧਾਰਥੀ ਸਤਨਾਮ ਸਿੰਘ ਨੇ 10 ਏਸਐੱਚਐੱਚ ਡੇਵਲੋਪ ਕੀਤੇ, 18 ਵਿਧਾਰਥੀ ਨੇ 9 ਏਸਐੱਚਐੱਚ ਡੇਵਲੋਪ ਕੀਤੇ ਤੇ 7 ਵਿਧਾਰਥੀਆਂ ਨੇ 8 ਏਸਐੱਚਐੱਚ ਡੇਵਲੋਪ ਕੀਤੇ। ਕੰਪਿਊਟਰ ਵਿਭਾਗ ਦੇ ਮੁਖੀ ਰੇਖਾ ਕਾਲਝ ਨੇ ਵਿਧਾਰਥੀਆਂ ਤੇ ਸਟਾਫ ਕੋ ਡੇਵਲੋਪ ਕੀਤੇ ਕਹਾ ਕਿ ਯਹ ਵਿਧਾਰਥੀਆਂ ਤੇ ਸਟਾਫ ਕੀ ਸਕਲ ਮੋਹਨਤ ਕਾ ਨੀਤੀਜਾ ਹੈ। ਕਾਲੇਜ ਪ੍ਰਿੰਸਿਪਲ ਡਾ. ਕੁਲਦੀਪ ਕਲ ਨੇ ਵਿਧਾਰਥੀਆਂ ਤੇ ਸਟਾਫ ਕੋ ਡੇਵਲੋਪ ਕੀਤੇ ਕਹਾ ਕਿ ਡੀਵੈਲੋਪ ਕੀਤੀ ਸਮੱਥਾ ਕੋ ਦੇਖਕੇ ਸ਼ੁਰੂ ਸਰਕਾਰ ਨੇ ਡੀ ਵਧ ਤਰੀਕ ਮੁਖੀ ਕੋਰਸ ਸ਼ੁਰੂ ਕੀਏ ਹੈ ਅਤੇ ਜਿਸ ਤਰੀਕੇ ਤੇ ਵਿਧਾਰਥੀ ਪ੍ਰਿੰਸਿਪਲ ਡੇਵਲੋਪ ਕੀਤੇ ਰਹੇ ਹੈ ਅਤੇ ਅਧਿਆਪਕ ਕੋ ਪੜ੍ਹਾਨੇ ਕੇ ਤਰੀਕੇ ਕੋ ਸਹਿਨਤਾਰ ਦੇਖਕੇ ਸ਼ੁਰੂ ਆਨੇ ਵਾਲੇ ਸਮਥ ਮੌਕੇ ਡੀ ਵਿਧਾਰਥੀਆਂ ਕੀ ਪ੍ਰੋਜੈਕਟ ਕਰਨੀ ਹੈ ਅਤੇ ਯਹ ਆਪਣਾ ਰੋਜਗਾਰ ਥੀ ਸ਼ੁਰੂ ਕਰ ਸਕਦੇ ਹੈ। ਇਸ ਕਾਰਨ ਵਿਧਾਰਥੀਆਂ ਕੋ ਨੀਕਰੀ ਤੇ ਵਧਿਤ ਨਹੀਂ ਹੋਨਾ ਪਏਗਾ। ਇਸ ਸਮਥ ਸਹਾਯਕ ਪ੍ਰੋਫੈਸਰ ਨਰਿੰਦ ਸਿੰਘ, ਦੀਪਾਲੀ, ਪਰਮੀਤ ਕੌਰ, ਸ਼ਬੀਨਾ ਤੇ ਅਮਨਪੀਤ ਸਿੰਘ ਆਦਿ ਹਾਜ਼ਿਰ ਸੇ।



ਜਾਵਾ ਵਿਸ਼य ਪਰ 5 ਦਿਵਸੀय वर्कशाप का आयोजन



ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸੰਬੰਧਿਤ ਕਰਕੇ ਟ੍ਰੂਪ ਮਾਹਿਰ ਪੰਕਜ ਕੁਮਾਰ।

ਯੂਫਲਾਡਾ (ਅਧਿਕ): ਰਥਾਨੀਯ ਰਾਯਲ ਕਾਲੇਜ ਦੇ ਕੰਪਿਊਟਰ ਸਾਇੰਸ ਵਿਭਾਗ ਦੁਆਰਾ ਪਾਂਚ ਦਿਵਸੀਯ ਵਰਕਸ਼ਾਪ ਕਾ ਆਯੋਜਨ ਕਿਆ ਗਯਾ। ਜਿਸ ਮੇਂ ਵਿਭਾਗ ਕੇ ਐਮ.ਸੀ.ਏ. ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਹਿੱਸਾ ਲਿਆ। ਵਰਕਸ਼ਾਪ ਮੇਂ ਬਟਿੰਡਾ ਸੇ ਪੰਕਜ ਕੁਮਾਰ ਵਿਸ਼ੇਸ਼ ਤੌਰ ਪਰ ਗਏ। ਪਾਂਚ ਦਿਨ ਚਲਨੇ ਵਾਲੀ ਇਸ ਵਰਕਸ਼ਾਪ ਕਾ ਉਦੇਸ਼ਯ ਵਿਦਿਆਰਥੀਆਂ ਕੋ ਜਾਵਾ ਪ੍ਰੋਗਰਾਮ ਖਾਸਾ ਕੀ ਵਿਸਤਾਰ ਪੁਰਕ ਜਾਨਕਾਰੀ ਏ। ਵਰਕਸ਼ਾਪ ਕਾ ਮੰਚ ਸੰਚਾਲਨ ਕਰਕੇ ਟ੍ਰੂਪ ਕੰਪਿਊਟਰ ਵਿਭਾਗ ਕੇ ਮੁੱਖੀ ਪ੍ਰੋ. ਰੇਖਾ ਕਾਲਡਾ ਨੇ ਖ਼ਤਾਯਾ ਕਿ ਇਸ ਵਰਕਸ਼ਾਪ ਮੇਂ ਜਾਵਾ ਕਾ ਪ੍ਰਯੋਗ ਕਰਕੇ ਪ੍ਰੋਜੈਕਟ ਬਨਾਨੇ ਸੰਬੰਧੀ ਜਾਚ ਕੀ ਸਿਖਲਾਈ ਏੀ ਜਾਪਗੀ ਟਾਕਿ ਵਿਦਿਆਰਥੀਆਂ ਕੋ ਕੰਪਨੀਆਂ ਮੇਂ ਨੀਕਰੀ ਲੇਨੇ ਸਮਯ ਕੋਏਂ ਸੁਖਿਕਲ ਪੇਸ਼ ਨ ਆਏ। ਇਸ ਸੀਕੇ ਕੰਪਿਊਟਰ ਮਾਹਿਰ ਪੰਕਜ ਕੁਮਾਰ ਨੇ ਖ਼ਤਾਯਾ ਕਿ ਵਰਕਸ਼ਾਪ ਕੇ ਯੋਗਿਏ ਵਿਦਿਆਰਥੀਆਂ ਕੋ ਕੰਪਨੀਆਂ ਕੀ ਮਾਂਗ ਅਨੁਸਾਰ ਜਾਵਾ ਕੇ ਪ੍ਰੈਕਟਿਲ ਕਰਵਾਏ ਜਾਪਨੇ ਅਰਿਰ ਬਫਿਯਾ ਪ੍ਰਦਰਸ਼ਨ ਕਰਨੇ ਵਾਲੇ ਵਿਦਿਆਰਥੀਆਂ ਕੋ ਹਮ ਅਪਨੀ ਕੰਪਨੀ ਮੇਂ ਕਾਮ ਕਰਨੇ ਕਾ ਸੀਕਾ ਖੀ ਏਂਗੇ। ਇਸ ਸੀਕੇ ਕਾਲੇਜ ਪ੍ਰਿੰਸਿਪਲ ਡਾ. ਕੁਲਧੀਪ ਸਿੰਘ ਭਲ ਨੇ ਵਿਦਿਆਰਥੀਆਂ ਕੋ ਵਰਕਸ਼ਾਪ ਮੇਂ ਉਤਸ਼ਾਹ ਦਿਖਾਨੇ ਕ ਲਾਗਨ ਕੇ ਸਾਥ ਸਿਖਨੇ ਕੀ ਪ੍ਰੇਰਨਾ ਏੀ। ਇਸ ਸੀਕੇ ਪ੍ਰੋ. ਨਰਿੰਦਰ ਸਿੰਘ, ਗਗਨਦੀਪ ਕੀਰ, ਦੀਪਾਲੀ, ਚੂਟਾ ਸਿੰਘ ਕ ਪਰਮਜੀਤ ਕੀਰ ਆਦਿ ਡਾਇਰ ਖੇ।



ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਬੁਢਲਾਡਾ ਵਿਖੇ ਅੰਤਰ ਰਾਸ਼ਟਰੀ ਮਹਿਲਾ ਦਿਵਸ ਨੂੰ ਸਮਰਪਿਤ ਸਮਾਗਮ ਮੌਕੇ ਦਾ ਦ੍ਰਿਸ਼।
ਤਸਵੀਰ : ਟੀਨੀ ਬੁਢਲਾਡਾ

ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਵਿਖੇ ਮਹਿਲਾ ਦਿਵਸ ਨੂੰ ਸਮਰਪਿਤ ਸੈਮੀਨਾਰ

ਬੁਢਲਾਡਾ, 9 ਮਾਰਚ (ਰਾਹੀ)- ਗੁਰੂ ਨਾਨਕ ਕਾਲਜ ਬੁਢਲਾਡਾ ਵਿਖੇ ਨਾਰੀ ਸਸ਼ਕਤੀਕਰਨ ਸੈਲ ਦੇ ਸਹਿਯੋਗ ਨਾਲ ਅੰਤਰ ਰਾਸ਼ਟਰੀ ਮਹਿਲਾ ਦਿਵਸ ਨੂੰ ਸਮਰਪਿਤ ਸੈਮੀਨਾਰ ਕਰਵਾਇਆ ਗਿਆ, ਜਿਸ ਨੂੰ ਸੰਬੰਧਨ ਕਰਦਿਆਂ ਨਾਰੀ ਸਸ਼ਕਤੀਕਰਨ ਸੈਲ ਦੇ ਕਨਵੀਨਰ ਪ੍ਰੋ. ਰੇਖਾ ਕਾਲਡਾ ਨੇ ਕਿਹਾ ਕਿ ਔਰਤ ਨੂੰ ਆਪਣੇ ਆਪ 'ਤੇ ਆਤਮਵਿਸ਼ਵਾਸ, ਭਰੋਸਾ ਤੇ

ਮਾਣ ਹੋਣਾ ਚਾਹੀਦਾ ਹੈ ਕਿਉਂਕਿ ਔਰਤ ਮਨੁੱਖ ਤੇ ਸਮਾਜ ਦੀ ਜਨਮਦਾਤੀ ਹੈ, ਜਿਸ ਦੇ ਫਲਸਰੂਪ ਜੀਵਨ ਅੱਗੇ ਚਲਦਾ ਹੈ। ਪੰਜਾਬੀ ਵਿਭਾਗ ਦੇ ਮੁਖੀ ਡਾ. ਸਤਗੁਰ ਸਿੰਘ ਨੇ ਕਿਹਾ ਕਿ ਔਰਤ ਦੀ ਮਹਾਨਤਾ ਸਦਕਾ ਹੀ ਸੁੰਦਰ ਤੇ ਨਰੋਂਦੇ ਸਮਾਜ ਦੀ ਰਚਨਾ ਹੁੰਦੀ ਹੈ ਅਤੇ ਔਰਤਾਂ ਨੂੰ ਆਪਣੇ ਹੱਕਾਂ ਲਈ ਜਾਗਰੂਕ ਹੋਣ ਦੀ ਲੋੜ ਹੈ।

Computer Science INFRASTRUCTURE





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