



# *Gandhi Path*

2021-22



*Live as if you were to die tomorrow,  
Learn as if you were to live forever.*

*-Mahatma Gandhi*

**GANDHI MEMORIAL NATIONAL COLLEGE  
AMBALA CANTT**

**NAAC Accredited "A++" (CGPA: 3.56/4)**

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# COLLEGE GOVERNING BODY



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President



**Sh. K.J.S. Balhaya**  
Vice President



**Sh. Ajay Aggarwal**  
Gen. Secretary



**Sh. Alok Gupta**  
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**Dr. Rajpal Singh**  
Principal cum  
Ex-Officio Member



**Ms. Anuradha Bakshi**  
Executive Member



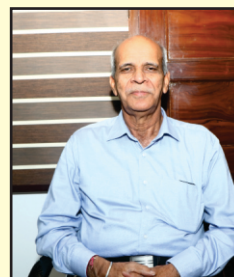
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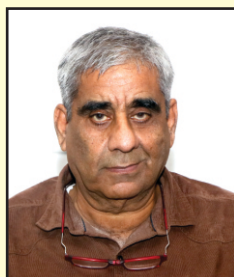
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**Dr. Raj Pal Singh**  
Principal & Chief Editor

## *Message*

**Dear Readers,**

It is a matter of immense pleasure that Gandhi Memorial National College, Ambala Cantt is bringing out new issue of the college magazine, GANDHI PATH for the academic session 2021-22. On the auspicious occasion, I feel proud and jubilant to share with you that our college has been accredited with 'A++' Grade (CGPA 3.56) by National Assessment and Accreditation Council (NAAC). I feel elated to announce that with this extraordinary achievement, G.M.N. College has become the first college among affiliated colleges of Kurukshetra University, Kurukshetra and second college in Haryana with such a coveted grade. It is the result of collective efforts of college management, faculty members, administrative and managerial staff as well as the students. As a poet has said :

“बुलंदियों पे पहुँचना कोई कमाल नहीं  
बुलंदियों पे उहरना कमाल होता है!”

Today, I exhort all the stakeholders of this prestigious institution to keep working hard and continue their pursuit of excellence in future as well.

Here, I would also like to congratulate the **Editor, Dr. Jyoti Sorout, Associate Editor, Dr. Anshu Chaudhary** and the entire editorial team of the college magazine for their sincere efforts in bringing out such a wonderful repository of creativity, information and knowledge in the form of GANDHIPATH.

Best wishes !

(Dr. Raj Pal Singh)



**Dr. Gurdev Singh**  
President  
College Governing Body

## *Message*

Dear Readers,

I am pleased to learn about the forthcoming issue of the college magazine, 'Gandhi Path' for the academic session 2021-22. On this occasion, I take great pride and pleasure in sharing with you that in its diamond jubilee year, the college has achieved a milestone by becoming the first college affiliated to Kurukshetra University, Kurukshetra, and the second college in Haryana to be accredited with 'A++' Grade (CGPA 3.56) in the third cycle of re-accreditation and reassessment by NAAC, Bengaluru.

I am confident that this spirit and tempo will be maintained and the forthcoming academic and co-curricular activities will be planned and updated according to the vision and mission of NEP 2020. The New Education Policy - 2020 aims for the holistic development of college students beyond classroom teaching and to make them ready for emerging trends and challenges. We endeavour to give the latest opportunities to the students by focusing on job-oriented and skill based courses and further helping them to grow and realize their true potential.

The Management, Staff and students are the pillars of every educational institution. I am proud to say that we are fortunate to have a highly qualified, visionary and motivated Management. The Management is committed to its vision to make this college occupy a noticeable place among the institutions of India. As the President of the Governing Body of this college, I assure full co-operation to the staff and the students to make it possible for us to sustain the quality and progress of this institution. The college also boasts of a highly qualified and well-experienced faculty. Our faculty put in every effort to make learning an enriching, fulfilling and enjoyable experience.

A college magazine harnesses creative energies and inspires the vision of young students. I take this opportunity to congratulate the Principal, Dr. Raj Pal Singh, Editor, Dr. Jyoti Sorout, Associate Editor Dr. Anshu Chaudhary, Staff Editors and Students Editors for bringing out this magazine as per schedule, which in itself is an achievement considering the effort and time required.

Best Wishes

(Dr. Gurdev Singh)



**Dr. Jyoti Sorout**  
Editor

## Message

Dear Readers,

We all know that Man is a social animal and it is his innate desire to express himself to others. Such intense urge to be expressive makes us linguistically creative. Through our creative endeavours we give vent to our innermost feelings, thoughts and emotions which characterize us specifically as human beings and help in developing our individual personality. College magazine is a significant forum through which young intuitive minds are able to hone their creativity and bring forth their hidden talents to express their opinions, thoughts, attitudes, knowledge, and experiences in the form of their write-ups. This is a rewarding process wherein both the writer and the reader benefit. While the writer learns the art of creating beautiful word pictures, the reader benefits in becoming knowledgeable by learning new words, different points of view and varied experiences of people. I congratulate both the contributors and the readers of this magazine for achieving full potential of their learning skills.

The current issue of Gandhi Path is not only a compilation of articles composed by young students and faculty members. It is also a sort of repository of achievements of the faculty along with the curricular and co-curricular activities of various departments and cells/committees of the college. By showcasing numerous accolades won by the students and the faculty of the college, it, thus, acts as a motivational platform which inspires all the stakeholders to perform better in times to come.

A famous writer, Paulo Coelho once said,

*“When you want something, all the universe conspires in helping you to achieve it.”*

So, dear readers, set lofty goals for yourselves, and keep persevering constantly in order to achieve them irrespective of various distractions in your path. If your efforts are sincere and sustained, you will get what you aspire for. I am sure after reading this magazine, you will feel inspired to do better in your respective fields of learning/teaching and thus, take the college to newer horizons of glory.

At this moment I wish to thank the entire editorial team of Gandhi Path for investing generous amount of their time and effort in compiling, editing, proof-reading, and stringing together the loosely scattered pearls of wisdom and knowledge and thus, bringing out the magazine in such a beautiful get up.

Hope you will receive the current issue of Gandhi Path with love and enthusiasm.

Happy Reading!

A handwritten signature in black ink, appearing to read 'Jyoti Sorout'.

(Dr. Jyoti Sorout)





**Dr. Anshu Chaudhary**  
Associate Editor

## *Message*

### ***“Dreams don't work unless you do”***

G.M.N. College saw a dream and worked hard to make it come true. In its diamond jubilee year, the college has achieved a milestone by becoming the first college affiliated to Kurukshetra University, Kurukshetra, and the second college in Haryana to be accredited with 'A++' grade by NAAC, Bengaluru. This prestigious grade is the result of many years of hardwork and perseverance. Winston Churchill once said, “Success is not final; failure is not fatal: It is the courage to continue that counts”. By the grace of God, we too will continue to climb the ladder of success and strive to take the college to greater heights.

The year 2021-22 also gave people respite from COVID-19 which brought back the offline mode of education into practice. After two years of online teaching-learning, this transition from online to offline was not smoothly received by the students but our teachers with their skills and efforts made this transition easy for the students. Online mode of education also paved way for many online activities. The year has been fruitful and rich in terms of online activities, webinars, FDPs, etc. In this kaleidoscope of achievements and various activities of the institution, we have tried our best to showcase all the activities, curricular and co-curricular achievements of our students, and also the achievements of our faculty members. We have carefully selected and given place to all the valuable articles, poems, and stories of the staff and the students to make it a treat for the students.

I am thankful to the Principal, Dr. R. P. Singh for putting faith in me as the Associate Editor of 'Gandhipath'. I am also thankful to the Editor for leading the whole editorial team in a systematic, time-bound, and well-organized manner and showing us a path at the crossroads. My sincere thanks to the Section Editors for the timely submission of their respective sections. I also thank my colleagues and dear students for making this edition a great success by submitting their enlightening and meaningful submissions.

I hope you will read and enjoy the magazine and illuminate us with your invaluable suggestions.

Best wishes!

A handwritten signature in black ink that reads "Anshu Chaudhary". The signature is written in a cursive style.

(Dr. Anshu Chaudhary)

# OUR BRILLIANT UNIVERSITY RESULTS (2021-2022)

The following students brought laurels to the institutions by winning university merit positions and distinctions:

## UNIVERSITY POSITION HOLDERS

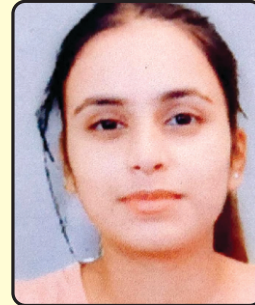
(Session 2021-22)



**Diksha Anand**  
M.A. (Pol. Sc.) Sem I  
2nd in KUK



**Radkhika**  
M.A. (Pol. Sc.) Sem III  
2nd in KUK



**Gurpreet**  
M.A. (Pol. Sc.) Sem I  
3rd in KUK



**Saloni**  
BCA Sem III  
3rd in KUK



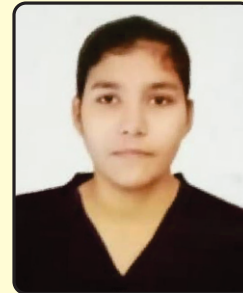
**Surbhi**  
M.A. (Pol. Sc.) Sem III  
4th in KUK



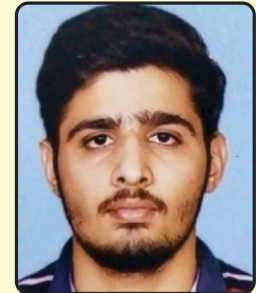
**Tamanna**  
M.Com Sem I  
4th in KUK



**Yatin**  
BCA Sem VIII  
4th in KUK



**Lovjeet Kaur**  
M.A. (Po;. Sc.) Sem I  
5th in KUK



**Jatin**  
M.Com Sem I  
6th in KUK



**Harshita**  
B.A. (Hons.) Eng. Sem V  
6th in KUK



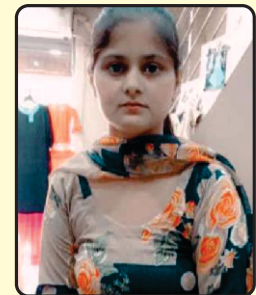
**Satnam**  
M.A. (Pol. Sc.) Sem III  
7th in KUK



**Prateek**  
M.A. (Pol. Sc.) Sem I  
7th in KUK



**Navpreet Kaur**  
B.Com Hons Sem V  
8th in KUK



**Rajni**  
M.A. (Po;. Sc.) Sem III  
8th in KUK



**Simran**  
M.Com Sem I  
8th in KUK



**Palmeet Kaur**  
M.A. (Eng.) Sem I  
8th in KUK



**Riya Gambhir**  
M.A. (Pol. Sc.) Sem I  
9th in KUK



**Priyanka**  
M.A. (Pol. Sc.) Sem III  
9th in KUK



**Karan Ahuja**  
B.Com Sem V  
9th in KUK



## NAAC PEER TEAM VISIT

NAAC Peer Team comprising its Chairman, Prof. (Dr.) Karamjeet Singh, Vice Chancellor, GNDU, Amritsar, (Punjab), Member Coordinator, Dr. Sukriti Ghosal, Registrar, Hindi University, Howrah, (West Bengal) and Member, Dr. Tikam Chand Loya, Principal, Govt. College, Kota, (Rajasthan) visited the college from May 26-27, 2022. The team thoroughly assessed the performance of the institution in the third cycle. During the Exit meeting, the members of the team expressed their happiness and satisfaction about the performance of the college. They also suggested a few necessary steps for improvement for future development of the institution.







# *English Section*

*Staff Editor*  
**Dr. Jyoti Sorout**

*Student Editor*  
**Ms. Inderjeet Kaur**  
*M.A. II English*

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## *Editorial*

*Dear Readers,*

*The current issue of Gandhi Path is presented to you to see the different hues of creativity of budding writers. Language is a medium of expressing one's thoughts, feelings, emotions, ideas, points of view, etc. By taking up the pen, an individual feels empowered since he/she can talk his/her mind out and open his/her heart through a creative piece of writing. Our college magazine, Gandhi Path provides a wonderful platform to all such creative writers who wish to showcase their talents by expressing themselves through their literary articles. It is highly commendable that the contributors of English Section have not only let the reins of their imagination let loose but have also kept their feet firmly placed on the grounds of reality, while choosing the topics of their articles. I congratulate all of them for their endeavours.*



*I highly appreciate **Ms. Inderjit Kaur**, Student Editor, for her untiring efforts in arranging all the wonderful articles of this section. I am also thankful to all the contributors who, with their amazing talent, have infused life into English Section of Gandhi Path.*

*Happy Reading!*

*Stay Safe! Stay Healthy!*

**Dr. Jyoti Sorout**  
Assistant Professor,  
Dept. of English



# *Student Editorial*

Dear Readers,

I feel immensely proud and delighted to be the Student Editor of English Section of **Gandhi Path**. Purpose of education is said to be achieved when an individual is both creative and expressive. English Section intends to bring the best out of the students wherein, they have expressed themselves freely without any restriction and reservation. I am pleased to note that some of the alumni of Department of English have also showed their interest and faith in our beloved magazine, **Gandhi Path** and chosen it to give expression to their feelings and thoughts in the form of their wonderful and knowledgeable creations.



I appreciate all the contributors for making this Section interesting and lively with their amazing articles.

I hope you enjoy reading English Section as much as we enjoyed preparing it.

Thank You!

**Inderjeet Kaur**  
**M.A. II (English)**

## BEST FRIENDS

सुना है कुछ लोगों के साथ वक्त बिताने से सब कुछ ठीक हो जाता है

This is the magical power of true friendship. While majority of relationships are gifted to an individual since birth, friendship is such a bond which one chooses with one's own sweet will.

We meet many people in our life, with whom we may study together, work together and share same interests. But there are very few who are close to our heart. With such few chosen ones, we are comfortable in expressing our feelings, emotions, and thoughts. It is with them we can be annoying and even vulnerable by showing our weak points without the fear of being judged all the time. Each moment spent with a real friend is worth cherishing because life becomes more interesting when shared and enjoyed with a person who is our alter-ego. With such people, we create beautiful memories which are cherished for a long time. Love, care, trust and loyalty are the basis of such a special bond between two or more people.

Time makes the distinction between true and fake friends. True friends help us in difficult times. They confront us when we are wrong and fully support us when we are right. A person is known by the company he keeps. We learn new things with friends. They teach us the true meaning of selfless love, care and loyalty. We feel more confident and happier in the company of our friends. Irrespective of any differences, they love, care, help, and supports in life's difficult journey. One is lucky to have such a friend in his/her life.



**Johnson**

M.A. I (Eng.)

## FRIENDS

When I started my college journey,  
I was fully choked with fear.  
But it was right here,  
that I met some wonderful people,  
who made me gleeful.  
We instantly connected and they entered my heart,  
This is how all friendships start.  
I always find their love and care by my side  
Oh, how soon they became my best friends and my pride.  
They know my flaws better than me,  
Now our friendship has no I, no you, but we.  
Whenever I am lost somewhere,  
They bring me back to my right place.  
Because my friends are my life's ace.

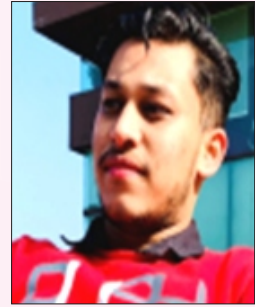


**Karuna Kannu**

M.A. II (English)

## BHARTIYA KISAN ANDOLAN

Bhartiya Kisan Andolan (Indian Farmers' Protest) is the hottest topic of today. As we all know Indian Farmers' Protest also known as Bhartiya Kisan Andolan is an ongoing protest in opposition to the three farm acts which were passed by the Parliament of India in September 2020. Everyone has his/her own opinions about the Andolan.



I am a student of Masters in English, GMN College Ambala Cantt., and through this article I wish to express my views about Bhartiya Kisan Andolan. First of all, let us talk about these bills and the reason why farmers are protesting against it.

1<sup>st</sup> Bill: Agri Market, Farmer's Produce Trade and Commerce Bill, 2020.

It is to create an ecosystem where farmers and traders enjoy the freedom to sell and purchase farm produce outside registered 'mandis' under states' APMCs.

2<sup>nd</sup> Bill: Contract Farming, The Farmer Agreement of Price Assurance and Farm Services bill, 2020.

Farmers can enter into a contract with agribusiness firms, exporters etc. for sale of future farming produce at a pre-agreed price.

3<sup>rd</sup> Bill: Relating to Commodities, The Essential Commodities Bill, 2020.

To remove commodities like cereals, pulses etc. from the list of essential commodities. It will do away with the imposition of stockholding limits on such items except under "extraordinary circumstances" like war.

So, these are the three bills passed by the Indian Government. Now everyone has a different opinion about these bills but let us see what farmers think about it.

Some farmers say that these bills help no one, except big corporates and destroy farmers' livelihood. They are calling these bills "Anti-Farmer bills". On the other hand, some of the farmers are in favour of these bills.

These were the points of government and the farmers. Now I will share my views and experiences that I encountered during this andolan. On the very first day of the andolan, when I was returning home with my family, I got stuck in a traffic jam. Usually it takes me to 3-4 minutes to reach home from that point but that day it took me 2 hours to cover such a small distance. That jam was the result of kisan andolan. This was one of the many problems that people faced.

Our country is a democratic country so everyone has a right to express himself. Therefore, farmers also have a right to protest against these bills. Our supreme court also said the same thing. But this protest is right only if it is done non-violently. Once a farmers' protest took place in India in which lakhs of farmers came together to protest against the government but that protest was non-violent no one was harmed in that protest and their demands were also fulfilled. Unfortunately, the 2020 andolan is becoming violent day by day. These are not our farmers but some political parties and miscreants have hijacked this andolan and they are doing illegal activities in the name of the kisan andolan, like the incident of Red Fort on 26<sup>th</sup> January where they disrespected our national flag, which are causing problems to not only government but to the farmers too. Two days later on 28<sup>th</sup> Jan, there was a blast in Delhi which forced the government to suspend internet services for three days that caused a lot of problems to the common man especially students, as we were unable to attend our online classes. All these illegal activities are done by some of the miscreants but these are being done under the name of kisan andolan so, our farmers' name is being dragged through



mud which is wrong.

But some farm leaders are taking this andolan in a wrong way. Now they are not thinking about the benefits of the farmers, but they are using kisan andolan as a way to show their power. They want to show that they are unstoppable and above the government. They are damaging public properties. These cannot be our real farmers.

A real farmer (ANNADATA – food provider), is a selfless person. He can never harm anyone. Like the farmers who are on DHARNA, who are protesting non-violently, only these are the real farmers, and they must be heard.

To conclude, I wish to assert that if a matter can be solved peacefully then there is no need of violence.

**Sparsh Sharma**  
M.A. II (English)

## **BRAIN DRAIN - LOSS OF NATIONAL WEALTH**

Brain Drain refers to the migration of highly qualified and trained people from their own country to some foreign country to settle down there for better prospects. The term first came into existence in 1960s when skilled workforce started immigrating from poor or developing countries to the developed countries in search of better job opportunities. It can be said that such trend has become common primarily because developing countries like India have somewhat failed in providing the right kind of opportunities to its talented youth. This, in turn, has been causing a great loss of national wealth.



Though India has better educational institutions which are comparatively cheaper than several foreign institutions, yet Indian students choose to go abroad for higher education, because they don't get the best chances, resources and facilities for research in India. Most of the students prefer staying back in the foreign country after completing their studies due to work opportunities and heavy pay packages. After getting global exposure and getting introduced to high quality life and facilities, they become reluctant to come back to their home country. This leads to brain drain.

The human capital in terms of skill, ideas, labour and intelligence is getting transferred to other countries from India. The intelligentsia of the nation including doctors, engineers, scientists, MBAs, lawyers and other professionals have proved their worth by offering their valuable services in foreign countries instead of their own country for the lack of good avenues here.

Now, even the foreign countries have come to acknowledge the fact that Indians are one of the most hard-working, dedicated and sincere workers. That is why, various countries and companies employ our nationals and use their services for their own progress.

It is high time to reward the skills, expertise, and potential of our own talented youngsters. Our country must provide them much needed opportunities and proper facilities so that they don't feel the urge to migrate to foreign lands and instead start contributing to the progress and development of their own nation. The nationalistic tendency and loyalty towards one's country must be inculcated in the children since their childhood to curb the trend of brain drain.

**Yashaswini Vats**  
B.A. III

## BELIEVE IN YOURSELF

Again, another boy rejected me. I went to my room, sat in front of the mirror and asked myself, “Is it my fault to have dark skin? Why does every boy reject me and why does everyone want fair skin?” Questions like these arise in my mind every day but I never get my answer. I face this humiliation daily. Some call me 'Kaali', others call me 'Blot'. Since my school times, I have faced lot of rejection and discrimination.



One day, when I was not in best of my spirits, my mother gave me a life lesson. She said to me, “My Dear, Skin colour is just a complexion which will fade with time but what will make you a good human being is your heart, your love for others, your humanity and your talent. So, do not think about all the things happening around you, just believe in your dreams and trust yourself.”

My mother's golden words of wisdom have transformed my life completely. Since that day, her words glow in my heart whenever I face any difficult or humiliating situation. They encourage me to fight against this cruel world.

They give me strength to work hard and fulfil my dreams. Now, I believe in myself and my capabilities. I am a changed person now, full of confidence, ready to deal with life's varied experiences. People now know me by my work and virtues and not by my DARK SKIN.

*Thanks, MOM, for making me believe in myself!*

**Inderjeet Kaur**

M.A. II (English)

## INDIAN CULTURE

Culture is a way of life of a group of people - the behaviour, beliefs, values and systems that they accept, generally without thinking about them and which are passed along by communication from one generation to the next. Different cultural groups think, feel, and act differently.



Indian culture is rich and diverse and as a result, unique in its own way. The manners, traditions, belief systems and ways of communication, etc. are some of its important components. We, Indians, may change our dressing sense, eating habits and life style, but values in which we believe, always remain unchanged because they are deeply rooted within our heart, mind, body and soul. These are the values which we have received from our culture.

Indian culture treats guest as God and treats them as part and parcel of family itself. Respect of elders is another major component in Indian culture. Elders are the driving force for any family and hence the love and respect for elders come from within. An individual takes blessings from his elders by touching their feet. This is a remarkable feature of Indian families. Helping others is another striking component of Indian culture. Right from our early days of childhood, we are taught to help one another in need of help and distress.

Indian culture teaches us to spread the fragrance of joy and happiness and share the sufferings and pain of humanity. Thus, our culture is full of positive thoughts and moral values and by following it, we can bring about a positive change in our life.

**Rabnoor**

B.A. III

## BE THE CHANGE YOU WISH TO SEE

Like days and nights, time and tide, the world has been changing every second. Change is indispensable and human beings must learn to accept the changes in life. One who learns this art, is smart. However, the one who brings the change in the world makes history.



"Be the change you wish to see in this world".

It is likely that you might have come across this quote from Mahatma Gandhi.

But what does the "Change" really mean?

How can you be the change that you wish to see in the world?

Change simply means to bring a difference. Each time we look around, we encounter many problems ranging from global issues like pollution and health to personal issues like depression and suicide. Looking at such a wide set of problems we start blaming others for all this. We start asking the question like "Why did he/she do this?" and never "Why did I do this?". Every individual is responsible for all that's happening around him/her. Then how can we blame others for not bringing a change. If we want others to change, we should be the first ones to change. When we want others to follow a good habit and we insist on it, first of all, we should have that habit. For example, only when we are punctual, we can teach others the value of punctuality. That is how others will accept the change.

The main reason many people hesitate to bring a change is that they fear failure. But the truth is - "Changing our face can change nothing, but facing our change can change everything" - which means saying no for a change cannot give any positive result. But facing the changes and taking away the fear can make real wonders in the world. Great achievers of the world did not fear the change but they made the change they wanted in this world.

Always remember,

"No one can go back and start a new beginning, but everyone can start today and make a new ending".

**Aastha Chaudhary**  
B.A. II (Pol. Sc. Hons.)

## A NOTE FROM MY DIARY...

Strolling on the streets in evening, taking feeble steps with no destination in mind, a light breeze passed over my face. It caressed me and exposed feelings that I kept suppressing. The light hustle of wind sent instant shiver down my body, not a harsh sensation but an oddly satisfying one. A sudden emotion of grief engulfed me. An emptiness and an unexplainable void poked me in a tenderly way. A tinge of nostalgia overwhelmed me and that instant, all the things I've longed and lost befell upon me. Quickly a gush of acceptance nourished me. I realised how grief and joy are complementary to each other and one can feel the conventionally opposite emotions at the same time.



Here's sharing with you what I felt at that moment:

### A Mind in its Own Place

All this life I was running after happiness  
I grew outrageous in its absence  
When I found it  
after yearning for so long  
I forgot how to feel it.  
I started running again  
not after happiness but after melancholy this time  
Sweet melancholy, the sweetest thing that fell upon me  
I cherished it and started to make it a part of me  
but it grew vicious and started turning bitter  
leaving no room for other  
Then I wanted to escape and separate these emotions from me.  
But as they say to err is human likewise to feel is human,  
Joy and grief are complementary to each other, I reminded myself again.

*Just before my rendezvous with my overpowering emotions was over, I realised what I was seeking for was not happiness but acceptance. On reaching home, I entered these lines in my diary:*

I've been looking for a place  
in a distant land or maybe not;  
I keep searching for a place where I belong.  
I must belong somewhere  
I tell myself,  
Where my heart is at ease,  
where my mind is at peace,  
I hope I find that place  
which will embrace me in all my flaws and in my glories.  
A place where I will not try to escape and there I will thrive  
in the sunshine and storm,  
in heyday and days when I'm overpowered with gloomy emotions.  
A place where I understand  
life is neither joy or sadness,  
nor ecstasy or misery.  
Life's an amalgamation of all existent emotions.

**Shewani Pradhan**

Alumna

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## HOW NCC MOULDED ME

National Cadet Corps, one of the largest voluntary organisations of the country has been nurturing the youth of country since 1948. NCC, with the aim of developing character, inculcating leadership traits and motivating young minds to join Armed Forces is one of the effective initiatives taken by our country. Although with all the opportunities and platforms, only a few turn out to use it at its best. In my three years of experience as NCC cadet, I have witnessed many types of cadets: ones who pass out as the same individuals as they had joined in the beginning and the others who exhibit a drastic change in their personalities and perspectives. I have always strived to belong to the latter category. From my experience, I have learnt that the first step to achieve progress is to do a SWOC analysis by identifying our strengths, accepting our failures, working on our weaknesses, and finally finding out the opportunities for achieving success. When I got enrolled in NCC in first year, my motive for joining was to get C certificate, which would give me special entry in armed forces as an officer. But at that time, I had no idea how it would turn out to be a life journey for me. I was not much fluent in English back then. I had stage fear and used to shiver and perspire at the same time at the time of public speaking. I was a careless and irresponsible person. The only good quality I had, was an urge to learn, to bring about a positive change in my personality. After my first camp, I started giving trials for selection in bigger games. At first, I got rejected. I took help from my seniors and teachers and worked on my flaws. As a result, I was selected and then, it was no turning back. I went on to represent Ambala group at directorate level several times I was appointed CSM in my second year, which instilled in me a sense of responsibility towards my juniors and my squad. This further developed my leadership qualities. I grew more confident, passionate, determined and focussed. Finally, I got an opportunity to take part in one of the most prestigious camps/events i.e. Prime Minister's Rally in 2020, on the occasion of Republic Day. That boosted my confidence further. When I thought that my journey as a cadet was over, I was again selected for another prestigious camp at Indian Military Academy - a place where Indian army officers are trained. The camp came with a new level of experience with lots of exposure. By then, I was Senior Under Officer (SUO) of my college NCC Unit.



This article is not merely about my progress. It is to show how NCC can mould an average, under-confident, careless boy into a responsible, disciplined and confident individual. This can be done only if the person is committed and determined to do a self-analysis, and take charge of his/her life to bring about a positive change.

Just Remember:

*Be Confident, be optimistic and grasp every opportunity to improve yourself.*

**Pratik Pradhan**

Alumnus, Dept of English  
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## POWER OF OPTIMISM

A fact about a dreamer is, as Oscar Wilde says, “*He sees the dawn before the rest of the world.*”

Such was the case with Betty. It was quite astonishing for her to realize that she just had a vision that this was supposed to happen and that happened actually. That gut feeling of “deja vu” as some people may call, often happened to her leaving her dumbstruck. She often felt that all the mishappenings and incidents which she had foreseen, could be prevented but never knew how? She kept thinking: “Maybe they are just supposed to happen and we can't control it! But if they can't be controlled, why do I sense them?”

It was a regular day when she was watering her plants and there it was, lying peacefully on the center table, her favourite 'aroma diffuser'. Suddenly she looked at it and thought what if it might fall and break! Weird!! But it was ceramic, it could break. And within an hour fluffy knocked over the table and the diffuser fell on the floor dispersing into pieces. This wasn't the first time Betty had such an experience and questioned fate for such bad things. “It was a gift from Mommy!” Betty sadly mumbled.

The next day she sat beside an old and dried rose plant in her garden and started imagining what if the flowers bloomed again. Then, a thought crossed over her mind: “What might happen with the good thoughts?”

She watered the pot and went inside smiling and still imagining pretty white roses growing her garden. After 9 days, she saw a tiny green bud blooming on the stem. She was overwhelmed with joy and felt a sense of satisfaction. That day was something she had never experienced before. That was the day she discovered a unique secret of her own:

*Good things and bad things happen way before in our minds than they happen in reality!*



**Divyadeep**

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## ROLE OF LANGUAGE IN COVID-19 TIMES

Keeping aside the scientific facts behind the Corona virus for once, the next most important aspect of the virus is Language. Language also plays a vital role in this pandemic. Of course, it doesn't determine the number of Covid patients and their treatment, but it plays a vital role in the good mental health of the people. As it is an unprecedented and unpredicted disease, it should be talked about, without spreading fear and stigma in the society. The metaphor used for Corona – WAR, is inappropriate as it leads to the expectations from so called “Corona Fighters” or “Corona Warriors” to behave like soldiers and heroes. It is also expected from the doctors and the nurses to not complain of their problems, which is absolutely incorrect. The virus should be humanised. It must be understood that there is a human behind the illness. The patients are being dealt as criminals and it has led to increased cases of verbal violence.

The media has failed in communicating sensitivity and empathy towards the patients. There should be transparency in communication without creating any situation of panic. The continuous reports from media have caused a collateral damage. The virus has become a matter of fights between the nations which breaks down global solidarity. The term “SOCIAL DISTANCING” is itself a terrible notion. It reflects that we are all alone. Man being a social animal, the feeling of left alone suddenly is horrifying. One should refrain from using such terminology and instead use more positive and humane terms like 'Physical Distancing'. Hence, the communicators should understand this crucial role of language in difficult situation during COVID-19 times.



**Avni  
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## COVID-19 TIMES: ADVERSITY OR OPPORTUNITY?

Since the world today is facing one of the gravest crises in the history of human civilization, the Corona pandemic has spread to almost every country of the world. It has severely affected humanity on economic, social, psychological, and political levels. People have been facing the psychological problems of uncertainty, alienation, rootlessness, vulnerability, feeling of imprisonment, etc. since the announcement of lockdown. On examining the social impacts, closure of schools, colleges, universities, coaching and training institutes have majorly impacted the lives of millions of students all over the world. Religious places like Churches, temples, mosques, gurudwaras, etc. also are not in a position to provide solace to the sinking hearts and hopes of the masses today. Increased cases of domestic violence, incest and social disharmony are a result of moral depravity, feelings of frustration and depression among people. As a result of market instability and loss of jobs, in a country like India, poor migrants and labourers have been forced to reach their hometowns after covering thousands of miles on foot. All these things have completely jolted the social structure of not one country but so many countries of the world.



Though it is difficult to have positive thoughts in one's mind in such fluid and depressing times, yet the present phase can be reckoned as an opportunity to rejuvenate oneself in multiple ways. This critical time throws us a challenge and simultaneously an opportunity to get accustomed to the “new normal” and begin to discover the innovative and positive solutions to the pandemic-generated problems.

One must utilize this time in being creative and resourceful. One should learn something new every day, engage in yoga and fitness routine, boost the immune system, read motivational literature, spend quality time with family, sit with elders and gain from their sagacity, be grateful to life, and above all, love and conserve Nature. By avoiding selfishness, adopting a humane and sympathetic attitude for less privileged ones, helping others in distress and being empathetic to the Mother Earth, every individual will indubitably pave way for a better future and sustainable life in this world.

**Dr. Jyoti Sorout,**  
Assistant Professor  
Dept. of English

## WITHOUT HARD WORK NOTHING GROWS BUT WEEDS

'Without hard work nothing grows but weeds" was once said by Gordon B. Hinckley. I would like to explain it with the help of a story. "A man bought a racehorse and put him in a barn with a big sign, "The fastest horse in the world." The owner didn't exercise the horse nor train it to keep it in good shape. He entered the horse in a race and it came last. The owner quickly changed the sign to "The fastest world for the horse."



By inaction or not doing what should be done, people fail and they blame luck. Thomas Elva Edison once said, 'There is no substitute for hard work.' If we cannot work hard, there is no chance that we will achieve the desired results. It doesn't matter if our goal is big or small, if we work hard, no one can stop us from achieving our goal. We have to be determined and honest to fulfil our dreams. Without determination and hard work, we cannot achieve even the easiest. One who keeps working hard constantly will definitely gain success in life.

Hard work is important and history has proved it time and again. The great Edison used to work for many hours a day and he dozed off on his laboratory table only with his books as his pillow. Similarly, the prime minister of India, the late Pt. Nehru used to work for 17 hours a day and seven days a week. He did not enjoy any holidays. Our great leader, Mahatma Gandhi worked round the clock to win freedom for our country. Our present Prime Minister Narendra Modi also made his career path through his hard work and dedication. At a very young age, he realized the importance of hard work in shaping one's destiny. He once said, "Hard work never brings fatigue. It brings satisfaction."

To conclude, I would like to say that hard work is the only and sure shot key to success. When we work hard in life, we can achieve anything and overcome any obstacle. A hardworking person never sees a problem as a problem but as an opportunity to optimize his potential. Moreover, we can also lead a better life knowing that we have put in our all and given our best to whatever work we are doing.

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# हिन्दी विभाग

प्राध्यापक सम्पादिका

डॉ० रितु गुप्ता

छात्र सम्पादक

सतनाम

स्नातकोत्तर (राजनीतिक विज्ञान)



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## संपादक की कलम से

“हम परवरिश-ए- लौह-ओ-कलम करते रहेंगे  
जो दिल पे गुजरती है रकम करते रहेंगे” - फ़ैज



समय साक्षी है कि क्रांति चाहे भीतर की हो या बाहर की हिंदी साहित्य के लिए बहुत बड़ी उपलब्धि है। हिंदी की मशहूर उपयासकार और कवयित्री गीतांजली श्री के उपन्यास 'रेत समाधि' को बुकर पुरस्कार से सम्मानित किया गया। यह पहली बार है जब हिंदी की किसी रचना को प्रतिष्ठित बुकर पुरस्कार हासिल हुआ है। 'रेत समाधि' देश-दुनिया में छाया यह उपन्यास हिंदी के पाठकों की रूह से नाता जोड़ता है। हर साधारण औरत में छिपी एक असाधारण स्त्री की महागाथा तो है ही रेत समाधि, कथा लेखन की एक नई छटा है इस उपन्यास में। माँ-बेटी के रिश्ते को बड़ी बारीकी से यह उपन्यास उकेरता चलता है। यह उपन्यास सिर्फ भारत-पाकिस्तान सरहद ही पार नहीं करता बल्कि लेखन की हर सरहद को तोड़ता चलता है। इसमें कोई संदेह नहीं कि हिंदी के लिए यह उत्सव का क्षण है और गीतांजली श्री ने दुनिया में न केवल हिंदी का परचम फहराया है, बल्कि कई प्रतिमान गढ़े हैं।

गांधी पथ पत्रिका वह माध्यम है जो लेखन के हर आयाम को आत्मसात करता है। पत्रिकाओं में प्रकाशन में छात्राओं ने अपनी प्रतिभा, प्रखर क्षमता का प्रयोग करते हुए अपने भावों, संवेदनाओं और विचारों को शब्दों में पिरोकर उन्हें आलेख, कविताओं, कहानियों के रूप में प्रस्तुत किया। पत्रिका के इस अंक में कही स्मृतियों के चिन्ह हैं तो, कही साम्प्रदायिकता के प्रति आक्रोश, कहीं मीडिया पर उठते सवाल तो कहीं दोस्ती के रंग। विविध रंगों से सजी यह पत्रिका उन रचनाकारों के बिना अधूरी है जिनके रचनात्मकता का परिचय इस अंक में हमें देखने को मिला। आशा है यह अंक आपकी अपेक्षाओं पर खरा उतरेगा। इन्हीं शुभकामनाओं के साथ....

डॉ. रितु गुप्ता  
हिंदी विभागाध्यक्ष

## छात्र संपादक की कलम से

सभी पाठकों को सादर नमस्कार.....

मुझे अत्यंत गर्व की अनुभूति हो रही है कि जी.एम.एन. कॉलेज की वार्षिक पत्रिका 'गाँधी पथ' का 2021-22 का अंक प्रकाशित होने जा रहा है। मुझे इस बात की अत्यंत प्रसन्नता हो रही है कि मुझे इस पत्रिका के हिन्दी अनुभाग का छात्र संपादक कार्यभार सौंपा गया है। महाविद्यालय वह पालन स्थल है, जहां शिक्षक और शिष्य दोनों को अपनी प्रतिभा का प्रदर्शन करने का सुअवसर प्राप्त होता है। विद्यालयों, महाविद्यालयों में ही संबन्धित राष्ट्र के कर्णधारों का चरित्र निर्माण होता है। चरित्र निर्माण की इस प्रक्रिया में साहित्य एवं पत्र-पत्रिकाएं महत्वपूर्ण भूमिका अदा करती हैं। महाविद्यालय पत्रिका के स्तर से विद्यार्थियों के शैक्षणिक, सांस्कृतिक एवं रचनात्मक स्तर का ज्ञान प्राप्त हो जाता है।



महाविद्यालय में अध्ययनरत युवा पीढ़ी स्वप्नदर्शी और चिन्तनशील होती है। इस समय उनका चंचल मन एक तरफ यौवन एवं प्रेम की तरंगों से उद्वेलित हो कल्पना लोक में विचरण करता है तो दूसरी तरफ तात्कालिक परिस्थितियाँ युवा मन पर अमिट छाप छोड़ती है। सृजनशील युवा मन इन अनुभूतियों को अभिव्यक्त करने के लिए लालायित रहता है। महाविद्यालय पत्रिका विद्यार्थियों को यह अवसर प्रदान करती है। पत्रिका में संकलित रचनाएं विद्यार्थियों की अनुभूतियों और चिन्तनशीलता का स्पष्ट प्रमाण है। आगे चलकर ये युवा रचनाकार प्रौढ़ साहित्यकार के रूप में प्रतिष्ठा प्राप्त करते हैं और अपनी पीढ़ी का मार्गदर्शन करते हैं।

इस पत्रिका में मेरे साथियों ने अपने-अपने विचारों को भिन्न-भिन्न विधाओं जैसे कहानी, कविता, निबंध इत्यादि के रूप में आपके समक्ष रखने का प्रयास किया है। इस प्रकार की पत्रिकाओं के लेखन कार्य में भाग लेने का मुख्य उद्देश्य यही होता है कि हम अपने भीतर सोए हुए साहित्यकार तथा साहित्यकलाओं को जागृत कर सकें तथा अपनी सोच विचारों तथा भावों को अपनी प्रतिभा के माध्यम से कलात्मक रूप प्रदान करते हुए पाठकों के समक्ष रख सकें।

इसके लिए मैं हिन्दी विषय की प्रध्यापिका डॉ. रितु गुप्ता का आभार व्यक्त करता हूँ, जिन्होंने मुझे निरंतर प्रोत्साहित करके मेरा मार्गदर्शन किया है। मैं आशा करता हूँ कि हमारे कॉलेज के विद्यार्थियों के प्रभावशाली व रचनात्मक लेख आप सभी को पंसद आएंगे। अंत में मैं यही कहना चाहता हूँ कि दृढ़ निश्चय बनाए रखें और अपनी मंजिल अर्थात् लक्ष्य को प्राप्त करने के स्वप्न देखें।

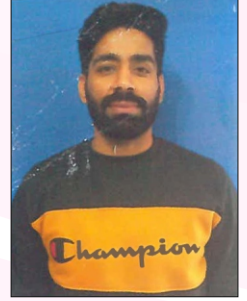
“ख्वाब ऐसा हो कि जिन्दगी नूर हो जाए,  
प्रयास ऐसे हों हर मुश्किल दूर हो जाए,  
जिद्द ऐसी हो कि ऊपर वाला देने को मजबूर हो जाए।”

सतनाम

स्नातकोत्तर (राजनीतिक विज्ञान)

## हिंदी उपन्यास: आधुनिक वातायन से

हिंदी साहित्य की बुनियाद एवं बुलंदी लब्धप्रतिष्ठित उपन्यासकार मुंशी प्रेमचंद ने उपन्यास को मानव चरित्र के चित्र का दस्तावेज कहा, उनका यह कथन अक्षरक्षः प्रमाणित है। उपन्यास के कलेवर में मनुष्य जीवन की सभी परिस्थितियों, जटिलताओं, उपलब्धियों, संस्कारों, सरोकारों का वर्णन रहता है। यदि हम उपन्यास विधा को समकालीनता की कसौटी पर कसें तो आज हमें नए विषयों से अनुप्रेरित, नए शिल्प से उद्भासित, नए दृश्यों एवं सरोकारों से अंतर्गुम्फित उपन्यासों के अंबार से हमारा साक्षात्कार होता है। उपन्यासकार संजीव ने अपने उपन्यास 'फाँस' में किसानों की कारुणिक गाथा को रूपायित किया। मनीषा कुलश्रेष्ठ में भारतेन्दु की प्रेमिका



'मल्लिका' को अपने उपन्यास का विषय चुना और वहीं Schizophrenia को केंद्र में रखकर 'स्वप्नपास' जैसे शानदार उपन्यास का वितान रचा। चित्रा मुद्गल ने अलक्षित एवं उपेक्षित कथानक को चुन अपनी संवेदनाओं के सैलाब को अभिव्यंजित किया। उनके द्वारा प्रणीत उपन्यास 'पोस्ट बॉक्स नं 203 नाला सोपारा' को साहित्य अकादमी पुरस्कार से अभिहित किया गया। संजीव पालीवाल का नवीनतम उपन्यास 'पिशाच' साहित्य की अंदरूनी दुनिया का सनसनीखेज खुलासा करता है। साहित्य के भीतर के अपराध पर ऐसी दहला देने वाली कथा लिखने वाले संजीव पातीवाल पहले कथाकार है। अलका सारवमी के नवीनतम उपन्यास 'कुलभूषण का नाम दर्ज कीजिए' में विभाजन और विस्थापन की त्रासदी है। गीताश्री ने अपने नए उपन्यास 'हसीनाबाद' में बदनाम बस्ती से राजनीति के बीच तक का रोमांचक सफर प्रस्तुत किया है। इस उपन्यास में लेखिका ने कला एवं कलाकारों को धरती की प्रलय को रोकने वाला घोषित किया है। वरिष्ठ कथाकार भगवानदास मोरवाल ने अपने उपन्यास 'शंकुतिका' में कन्या जन्म को लेकर होने वाली दुश्चिन्ताओं को उजागर किया है। प्रत्यक्षा सिंहा ने भी 'बारिशगर' के कथानक को स्त्री विमर्श कू कलेवर में आस्यूत किया। इस प्रकार विचेच्य रूप से कहा जा सकता है कि हिंदी उपन्यास नए-नए प्रसंगों एवं दृश्यों से समृद्ध हो रहा है। कनिष्ठ एवं वरिष्ठ उपन्यासकारों ने उपन्यास विधा को एक नया मुहावरा दे इस विधा को सशक्त किया है।

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## पद्मावत नागमती की विरह गाथा

पद्मावत 1540 में सूफी कवि 'मलिक मुहम्मद जायसी' द्वारा रचित एक महाकाव्य है, जिन्होंने इसे अवधी की हिंदुस्तानी भाषा में और मूल रूप से फारसी की नस्तलिक लिपि में लिखा है। यह सूफी साहित्य सुल्तान अलाउद्दीन खिलजी की रानी पद्मावती के लिए अलंकृत इच्छा का व्याख्यान बिखूबी करता है।



तोते से रानी पद्मावती की खूबसूरती की तारीफ़ सुनकर रत्नसेन के मन में एक विचित्र प्रेम उत्पन्न हुआ जो उसे रानी पद्मावती के निवासस्थान सिंहलद्वीप तक ले पहुँचा। रत्नसेन की अर्धांगिनी नागमती को पीछे तन्हा छोड़कर रत्नसेन, रानी पद्मावती के पीछे कायल हो चुका था। रत्नसेन और रानी पद्मावती के संयोग के पश्चात अब नागमती विरह में तड़प रही थी। यह एक एकनिष्ठ दाम्पत्य प्रेम है। रत्नसेन भले ही नागमती को छोड़कर चला गया हो मगर नागमती उसे एक लम्हे के लिए भी भूल नहीं पाती। रत्नसेन से जुदाई में नागमती की जिंदगी बेज़र है।

वियोग में रानी नागमती एक साधारण स्त्री की तरह आचरण रखने लगती है। नागमती का विरह इतना तीव्र हो जाता है जैसे सारी प्रकृति उसके भावों से ही संचालित होने लगती है। भूमि पर रेंगने वाली वीर-बहूटियाँ और कुछ नहीं, बल्कि उसकी आँखों से टपकने वाले आँसू रूपी रक्त की बूँद ही है। पलास तथा कुंदरू के फल उसके रक्त से ही रंग कर लाल हो गये हैं। परवल उसके दुःख में पड़कर पीला पड़ गया।

रानी नागमती रत्नसेन की फ़ुर्कत में दिन-रात सुलगती रहती है न तो पूरी तरह जल कर खाक होती है और न ही जलन किसी भाँति कम होती है। उसकी विरह से निकली ज्वाला से कौए एवं भंवरे सभी काले पड़ जाते हैं। नागमती के प्राण जाने में कोई क़सर शेष नहीं रह गयी बस अब यह रत्नसेन से वस्ल की तलब ही उसे प्राण अटकाए हुए है। वह वृष से जुड़े ऐसे पीले पत्ते के समान हो गयी है, जिसे हवा का झोंका कभी भी उड़ा कर ले जा सकता है।

नागमती को उम्मीद है कि ए-न-एक दिन उसका अज़ीज़ उसके इश्क को स्मरण कर उसके पास दोबारा लौट आएगा। यही आस उसे विरह के इन दिनों में जिंदा रखे हुए है। रत्नसेन के अलावा उसका कोई हिमायती मौजूद नहीं है। समाज में अब उसकी कोई पूछ नहीं है। होली, दीवाली जैसे त्यौहार उसके लिए निरर्थक है अब पति ही साथी नहीं है तो उसके लिए क्या साज, क्या श्रृंगार ?

यह सही है कि नागमती के विरह वर्णन में अहात्मकता कता नज़र आती है मगर यह विरह के असर को बढ़ाती ही है। यह विरह की पराकाष्ठा है, जहाँ पहुँच कर नागमती की समूचि सृष्टि अपने विरह भावों की साक्षी तथा सहभागी जान पड़ती है।

मानव

बी.ए. प्रथम वर्ष

## चीफ की दावत

चीफ की दावत कहानी भीष्म साहनी द्वारा रचित है। इस कहानी के माध्यम से साहनी जी ने माँ के कभी न कम होने वाले प्यार के बारे में बताया है। 'शामनाथ' जिसने अपने साहब को दावत के लिए बुलाया है वह काफी लालची है और अपनी तरक्की के लिए कुछ भी कर सकता है। साथ ही वह अपनी माँ से भी नाखुश है। जब लोग दावत पर आ रहे थे वह वह नहीं चाहता था कि साहब लोगों और उसकी माँ का आमना-सामना हो क्योंकि उसकी माँ अनपढ़ थी। उच्च पद पाने की उसकी लालसा इतनी बढ़ जाती है कि वह बूढ़ी माँ तक की उपेक्षा करता है अर्थात् महत्वाकांक्षा की पूर्ति के लिए माँ के साथ उसका संबंध भी गौण हो जाता है। इस कहानी में निरक्षर और बूढ़ी माँ एक समस्या बन गई जैसे घर का 'फालतू सामान' को छिपाना तो आसान है लेकिन इस जीवित सामान का क्या करें? इस तरह शामनाथ एक कूड़े की तरह अपनी माँ को इस घर से उस घर में छिपाता फिरता है।



फालतू वस्तुओं में गिना गया माँ का चरित्र जब चीफ के सामने अनायास ही आता है तो वह उनसे बहुत प्रभावित होता है। माँ की लोक-कला और फुलकारी को वह बेहद पसंद करता है। जिस माँ को वह अपनी तरक्की में बाधक महसूस कर रहा था उसी माँ की वजह से उसकी पदोन्नति होती है। मध्यवर्ग का प्रतीक 'शामनाथ' अपने दोहरेपन को दिखाते हुए माँ की खुशामद करने में लग जाता है क्योंकि यदि माँ खुश नहीं हुई तो फुलकारी नहीं बन पाएगी और चीफ खुश नहीं हुए तो उसकी तरक्की नहीं हो पाएगी। वह अपनी तरक्की मिलने की आड़ में माँ को काम करने के लिए मजबूर कर देता है परंतु माँ तो वही माँ है पुरानी-परंपरागत, वह न तो पढ़ी-लिखी है, न मध्यवर्गीय और न ही आधुनिक। वह तो केवल माँ है जिसे अपनी संतान की खुशी से मतलब है। पुत्र कुपुत्र हो सकता है पर माता कभी कुमाता नहीं होती। वह सदा अपने बच्चों के लिए बिना स्वार्थ के काम करती है और सदा अपने बच्चों का भला चाहती है।

खुशी गुप्ता

बी.एस. सी. प्रथम वर्ष



## मलाला बेटी के नाम

इस खूबसूरत ज़िंदगी में  
मुझे कोई दुख नहीं  
लेकिन एक दुख  
जरूर रहेगा  
कि मैं अपनी चांद  
जैसी बेटी मलाला को  
क्यों नहीं बचा पाया  
घिनौनी सोच वाले  
दरिंदों की गोलियों से।  
तितली जैसी कलियों जैसी  
परियों जैसे प्यारी-प्यारी  
न्यारी-न्यारी चांदनी सी  
सूरत वाली भोली भाली  
चंद्रमा की किरणों जैसी  
सूर्य को हथेली पर रखकर  
दुनिया के अंधेरे को  
मुट्ठी के अंधेरे को  
मुट्ठी में बंद कर  
फूंक मार उड़ाने का  
साहस करने वाली  
मलाला तेरे साहस को सलाम।  
भर दूंगा मैं  
अपनी कविताओं में  
इसी साहस गाथा को और  
करने लगेगा संघर्ष  
मेरी कविता का शब्द शब्द  
जब तक धरती से खत्म नहीं  
हो जाते अंधेरे  
घिनौनी सोच वाले अंधेरे।  
उगाने लगूंगा एक ही क्यारी में  
चांद और फूल, सूर्य और सितारे  
ताकि लगने लगें  
बेटियों के गीत भी  
सभी को प्यारे



डॉ. सुदर्शन गासो  
पंजाबी विभाग

## मैं तुम्हें कभी गुलाब नहीं दूंगा

किताबों में पड़े गुलाब सूख जाते हैं,  
और जैसे जैसे वो सूखते हैं,  
सूखता जाता है आपस का प्रेम।  
मुझे गुलाबों के सुखने से डर लगता है....

हाँ कभी मौका मिला तो मैं जरूर दूंगा तुम्हें  
मोर का एक पंख उसे संभाल के रख लेना  
प्रेम की किताब के एकदम बीचोंबीच।  
मोर के पंख कभी सूखते नहीं।  
बचपन में सुना था...  
किताबों में मोर का पंख रखने से  
अच्छी रहती यादाश्त  
और....  
तुम्हें भूलने की आदत भी बहुत है।

### अभिषेक

स्नातकोत्तर (राजनीति  
विज्ञान)



## गरीबी एक वरदान

चाहे कुछ भी हो जाए हँसते रहते है ये चेहरे,  
क्या मिल गया है इन्हे कोई खजाना,  
या पा लिया है इन्होंने जिन्दगी का कोई सुख,  
या होने जा रहे है यह अमीर,  
लेकिन हँसते आ रहे हैं ये कितनी सदियों से,  
फिर क्या कारण है इनका यूँ ही हँसते रहने का ?  
जब सोचा तो जाना कि ये गरीबी ही है उसका वरदान  
न तो इन्हे पैसों को बढ़ाने की है कोई चिंता  
न ही गाड़ी और ज़मीन खरीदने की है कोई लालसा,  
इन्हे तो बस दो वक्त की रोटी और सर के ऊपर चाहिए एक छत  
इन्हे नहीं है फिक्र बाजार के बढने और गिरने की  
ना ही किसी नई खोज से है इनका कोई वास्ता ।  
इन्हे तो बस उस दिन का है इंतजार  
कि जिस दिन इन्हे मिल जाए भर पेट भोजन  
मिल जाए ऐसा कोई जो कर दे इनके घर को पक्का  
पहुंचा दे इनके छोटे-छोटे बच्चों तक शिक्षा के उचित साधन ॥  
ये सब जानकर कह सकते है हम कि वास्तव में गरीबी ही उसका वरदान है।



सतनाम

स्नातकोत्तर (राजनीति विज्ञान)

## शिक्षक

जीवन में जो राह दिखाए  
सही तरह चलना सिखाए।  
माता-पिता से पहले आता,  
जीवन में सदा आदर पाता।



सबको मान प्रतिष्ठा जिससे  
सीखी कर्तव्यनिष्ठा जिससे  
- कभी रहा न दूर में जिससे,  
वह मेरा पथप्रदर्शक है जो।  
मेरे मन को भाता,  
वह मेरा शिक्षक कहलाता।

कभी है शांत, कभी है धीर,  
स्वभाव में सदा गंभीर,  
मन में दबी रहे ये इच्छा  
काश मैं उस जैसा बन पाता,  
जो मेरा शिक्षक कहलाता।

आशा रानी  
बी.ए. तृतीय वर्ष

## नई मंजिल

खोल दे पंख मेरे कहता है परिंदा  
अभी ओर उड़ान बाकी है  
जमीन नहीं है मंजिल मेरी  
अभी पूरा आसमान बाकी है  
कई जीत बाकी है कई हार बाकी है  
अभी तो जिंदगी का सार बाकी है  
यहाँ ये चले हैं नई मंजिल के लिए  
यह तो एक पन्ना था अभी तो  
पूरी किताब बाकी है॥

संध्या  
बी.एस.सी. द्वितीय वर्ष



## बेटियाँ

बेटों का है केवल आजकल जग में नाम  
बेटियाँ ही हासिल करती हैं हर ऊँचा मुकाम  
सूरज की तरह ताप देते हैं बेटे तो  
पेड़ों की तरह छाया देती हैं बेटियाँ  
अतिभाग्यवान होते हैं वह माता-पिता  
जिनके घर में जन्मी कल्पना-चावला और  
सुनीता विलियम जैसी बेटियाँ  
बेटियों के अभिभावकों को न कहो बेचारा तुम  
प्रत्यक्ष क्षेत्र में मान-सम्मान बढ़ाती हैं बेटियाँ  
कूपत दिखाते हैं वृद्धाश्रम का रास्ता  
तो बुढ़ापे में सहारा देती हैं बेटियाँ  
ऊँचे संस्कार देकर पालते हैं बेटों को  
पर जग में नाम कमाती हैं बेटियाँ  
न जन्म से पहले हत्या करो हमारी  
चीख-चीखकर कोख में पुकारती हैं बेटियाँ  
माँ हमें जन्म अवश्य देना कहती हैं बेटियाँ  
हम भी बनेंगी रानी लक्ष्मीबाई, इंदिरा गाँधी जैसी बेटियाँ

पूजा सूरी  
बी.ए. तृतीय वर्ष)





## दरिया हो या पहाड़ हो टकराना

### चाहिए

दरिया हो या पहाड़ हो टकराना चाहिए  
जब तक न साँस टूटे जिए जाना चाहिए  
यूँ तो कदम-कदम पे है दीवार सामने  
कोई न हो तो खुद से उलझ जाना चाहिए  
झुकती हुई नज़र हो कि सिमटा हुआ बदन  
हर रस-भरी घटा को बरस जाना चाहिए  
चौराहे बाग़ बिल्डिंगे सब शहर तो नहीं  
कुछ ऐसे वैसे लोगो से याराना चाहिए  
अपनी तलाश अपनी नज़र अपना तजुर्बा  
रास्ता हो चाहे साफ़ भटक जाना चाहिए  
चुप-चुप मकान रास्ते गुम-सुम निढ़ाल वक्त  
इस शहर के लिए कोई दीवाना चाहिए  
बिजली का कुमकुमा न हो काला धुआँ तो हो  
ये भी अगर नहीं हो तो बुझ जाना चाहिए  
दरिया हो या पहाड़ हो टकराना चाहिए  
जब तक न साँस टूटे जिए जाना चाहिए

रिचू

बी.ए. प्रथम वर्ष



## रात

करवटों का हिसाब करते गुज़र जाती है रात,  
बेकसी और बेबसी अपने साथ लाती है रात।  
दिन में मैं खुद से लड़ कर खुद जीतती भी हूँ,  
रोज मुझे खुद से हराने के लिए आती है रात।  
दुनिया के आगे तो खड़ी रहती हूँ मज़बूती से,  
पर मुझे मेरा ही कमज़ोर रूप दिखाती है रात।  
जब रात में आसानी से वक्त भी नहीं गुजरता,  
तो घड़ी के कांटो की आवाज़ से डराती है रात।  
सोने वाले क्या जाने एक रात कैसी गुज़रती है,  
जाग के देखो कई कहानियां भी सुनाती है रात।  
रात में ही मिलती है 'मनीषी' को उसी नज़्मे,  
फिर भी जाने क्यों मुझे बहुत सताती है रात।  
मेहनत वालों को मंजिल दिलाती है रात,  
हकीकत तो कभी खवाब दिखाती है रात।  
फुरसत मिले अगर कभी खुद से तुम्हें,  
देखना तुम किस तरह मुस्कारती है रात।  
घने और काले अंधेरों से रखती है राबता,  
दिन के उजालों से क्यों कतराती है रात।  
ये सारी दुनिया जब बेखौफ़ सो जाती है,  
तब कही ये दूर खड़ी गुनगुनाती है रात।  
दुनियाभर के लोगों की नज़रों से  
छुपकर,  
मोहब्बत करने वालों को मिलाती है  
रात।

केतन राय शर्मा

बी.ए. आनर्स



## बेरोजगारी का आलम

बेरोजगारी का आलम कुछ ऐसा है छाया  
कर के बी.ए. एम.ए., हमने खुद को बेरोजगार है पाया ॥  
लेकिन चन्द लोगो की क्या करूँ मै बखान,  
समाज के ताने है माता-पिता पर अपार,  
कि बेटे को तो पढ़ने भेजे ये बड़े शहर में,  
फिर क्यों बैठा है आपका निठल्ला यूँ बेरोजगार ॥  
सुनकर समाज के ताने हो गये हैं माता-पिता यूँ निराश,  
गुस्से में आ कर अक्सर उतार देते हैं वो अपनी भड़ास,  
अब कैसे मैं समझाऊँ उन्हें के मुझे भी देखा जाता उन्हें यूँ हताश ॥  
पाना चाहता था जो बड़े अफसरों जैसी सरकारी नौकरी,  
करना था जिसे पूरा अपना हुर अधूरा सपना साकार,  
अब चपरासी की नौकरी के लिए भी हो गया है वो तैयार ॥  
घोंट लिया है जिसने अपने सपनों का गला,  
दे दिया है जिसने अपने हौसलों का बलिदान,  
भला कैसे मैं कहलाना ना चाहूँ के अब नही,  
हूँ मैं बेरोजगार ॥



रिया

बी.ए. द्वितीय वर्ष

## मंहगाई की मार

वित्त मंत्री ने विकास की ये कैसी रेल चलाई है।

जनता है बेहाल और कमरतोड़ मंहगाई है।

80 रूपये किलो टमाटर है, 200 रूपये लीटर तेल है

इस मंहगाई में कैसे जिए यारो,

इससे अच्छी तो है, मुफ्त की जेल।

आज जनता को पता चल रहा है, आटे-दाल का भाव,

अब आप ही बताइए, ऐसे में कैसे चलेगी इस गरीब की नाव।

सोना और चाँदी बन चुका है लोमड़ी के खट्टा अंगूर,

टमाटर और हरी सब्जियाँ ही है,

आज के युग का 'कोहिनूर'।

ऐसे हाल में भी हम पर इन्कम टैक्स का घेरा है,

और इस इन्कम टैक्स रूपी साँप का चिदंबरम सपेरा है।

वाकई अन्धो के राज्य में चिराग तले अंधेरा है।

अरे! 96 रूपये लीटर पेट्रोल और 84.25 रूपये लीटर डीजल,

डालकर हम अपनी गाड़ियाँ कैसे चलायें?

45 रूपये किलो चीनी है, आखिरकार शबर्त किस-किस को पिलायें?

आज के युग में रसोई गैस के लिए पैसे जुटाना बड़ा ही मुश्किल काम है

ये तो मैकडॉनल्ड्स और एस्सेल वलर्ड किस चिड़िया का नाम है?

राज भोज तो मिला न सका, अब नमक-रोटी का भी रोना है?

कांग्रेस के राज्य में, अब यह भी बचा होना है।

माना कि प्रजातंत्र राज्यों में भी जब नेताओं की ही चलती है,

अगर अंतराष्ट्रीय बाजार में तेल के दाम बढ़ रहे हैं,

तो इसमें भला जनता की क्या गलती है?

'ऐ देश के नेतागण' अब जरा होश में आइये,

जिस मंहगाई को रोक न सकें,

उसे कम से कम और तो न बढ़ाइये।

इस मंहगाई के घोड़े पर, अब लगाम लगाइए।

संदीप कौर

बी.ए. द्वितीय वर्ष

## शिक्षक और विद्यार्थी

अज्ञान का अंधेरा जब पथ पर गहराता है  
ज्ञान की ज्योति जलाने शिक्षक जिन्दगी में आता है।

शिक्षा का प्रमुख आधार शिक्षक होता है। शिक्षक न केवल विद्यार्थी के व्यक्तित्व का निर्माण करता है बल्कि राष्ट्र का भी निर्माता होता है। अनादिकाल से शिक्षक की महता का गुणगान उसके द्वारा प्रदत्त ज्ञान के कारण ही होता आया है। शिक्षक की भूमिका केवल छात्रों को पढ़ाने तक ही सीमित नहीं है। छात्रों को पढाई के साथ-साथ उन्हें सामाजिक जीवन से सम्बन्धित दायित्वों का बोध कराना तथा उन्हें समाज के निर्माण के योग्य बनाना भी शिक्षक का ही दायित्व है।

एक शिक्षक ही है जो अपने शिष्यों को प्रेरणा प्रदान करके उन्हें जीवन में सफल बनाते हैं। विश्व में हर उन्नत व्यक्ति को आगे बढ़ने की प्रेरणा देने वाला शिक्षक होता है। जो कदम-कदम पर उन्हें निःस्वार्थ भाव से उच्च कीर्तिमान स्थापित करने के लिए प्रेरित करता है। जिस प्रकार माता-पिता अपने बच्चों की गलती करने पर उन्हें समझाते हैं, ठीक उसी प्रकार शिक्षक भी अपने शिष्यों को सही दिशा और दशा प्रदान करते हैं ताकि वे भविष्य में सफलता को प्राप्त कर सकें। शिक्षक, शिष्यों में नैतिक मूल्यों, संस्कार, शालीनता और सद्व्यवहार स्थापित करने के लिए वचनबद्ध होता है।

शिक्षक और शिष्य का संबंध उसी प्रकार है, जिस प्रकार गुलाब की पंखुड़ी और ओस की बूंदों का होता है। यह नाजुक सा दिखने वाला अटूट बन्धन श्रद्धा की अगाध भावना, समर्पण, त्याग और आपसी सौहार्द की एक नूतन और सृजनात्मक माला को निर्मित करता है, जो आपसी मिल वर्तन, कर्तव्य परायणता और सद्भावना को प्रेषित करता है। शिक्षक अपने शिष्यों में आत्मविश्वास का संचार करके उन्हें स्वावलम्बी बनाता है। इसलिए हम सभी विद्यार्थियों का यह सर्वप्रथम कर्तव्य बनता है कि हम अपने गुरुओं के हृदय से कृतज्ञता को स्थापित करें और तब हम सही अर्थों में एक सच्चे शिष्य बन पायेंगे और तब हमारी सोच आसमां से भी ऊंची और जड़े पाताल से भी गहरी होगी।

गुरुओं के प्रति शत्-शत् नमन।  
शिक्षक राष्ट्र के युग निर्माता।।  
छात्र-राष्ट्र के भाग्य विधाता।।।

डॉ. राकेश कुमार  
सहायक प्रवक्ता  
राजनीतिक विज्ञान विभाग,



## WEBINARS ORGANIZED

- Dept. of Sociology organized a National Webinar on “Relevance of Karl Marx in Contemporary Indian Society” on July 5, 2021. 189 participants from different states of the country participated in the webinar. Mrs. Rachna Khanna, Convenor of the webinar, highlighted the theme and objectives of the webinar. Dr. Manoj Kumar, Associate Professor, Post Graduate Government College for Women, Sector 11, Chandigarh and Dr. Amandeep Singh, from Department of Sociology, Evening Studies, MDRC, Panjab University, Chandigarh were the Keynote Speaker and Resource Person respectively. In his Keynote address, Dr. Manoj Kumar highlighted the significance of Karl Marx even in 21<sup>st</sup> century. He said that in a diverse country like India, it is the responsibility of state to implement Government policies in a more effective manner so that equality on economic, social, religious and political fronts could be achieved. Dr. Amandeep Singh answered the queries raised by the participants. In the end, E-certificates were distributed to all the participants of the webinar.
- Dept. of Economics in collaboration with Department of Management organized a National Webinar on “Economics: A Vision and Philosophy of Life” on July 07, 2021. 90 participants joined from various colleges and universities. Convener of the webinar, Dr. Seema Kansal, welcomed the Keynote Speaker, Dr. Kuldeep Singh, Former Professor & Chairman, Department of Economics, Kurukshetra University, Kurukshetra. In his address, Dr. Singh highlighted that Indian Philosophy is blend of rich heritage which includes Vedas and other mythologies which has developed various areas of economics and contributed rich amount of knowledge in various economic concepts such as production function, economies of scale and opportunity cost. The Keynote Speaker also answered the queries raised by the participants.
- Dept. of Health and Physical Education organized a National Webinar on “Physical Literacy: Need for Modern society” on July 09, 2021. Keynote Speaker, Dr. Arvind Malik in his address said that in developing countries like India, there is lack of physical literacy among the masses. He raised concern over the fact that approximately 64% Indians in the age group of above 18 years do not do any kind of physical activity which leads to their poor health. He encouraged the audience to do yoga, exercise, meditation, etc. to keep their bodies fit and healthy. More than 200 participants attended the webinar.
- Dept. of Sanskrit in collaboration with several other departments of the college organized a 15 days Training Programme on “Computational Sanskrit and Linguistics” from June 25 to July 09, 2021. In his address, Keynote Speaker said that Sanskrit being a pure and scientific language, is the best language for computers. Coordinator of the Training Programme, Dr. Rajindera, said that Sanskrit could be used for coding in computers. During the programme duration, various Resource Persons highlighted the significance of computational Sanskrit and its correlation with Linguistics. They also enlightened the audience about Python, a Programming language. More than 130 participants from different parts of the country participated in the training programme.
- Departments of Chemistry, Physics, Computer Science & Electronics organized a National Webinar on “Technological Advancements in Science” on Jan. 07, 2022. Former Vice Chancellor, Chaudhary Devi Lal University, Sirsa and Professor RP Dahiya from Deenbandhu Chhotu Ram University, Murthal Sonapat attended this national webinar as the chief guest and keynote speaker. Prof. Dahiya discussed with the audience how technology has greatly influenced and transformed their lives. 131 participants attended the webinar.
- Dept. of Computer Science organized one day International Webinar in collaboration with Department of Sanskrit on the occasion of Makar Sankranti on Jan. 14, 2022.
- Dept. of Psychology organized National Webinar on “Positive Mental Health: Need of the Hour to

face Pandemic” on Jan. 15, 2022. Chief speaker, Dr. Hardeep Lal Joshi from Department of Psychology, Kurukshetra University, Kurukshetra advised the audience to try to find solution to the COVID related stress instead of worrying about it all the time. Principal, Dr, Raj Pal Singh said that during the stressful times of pandemic, immunity should be increased through yoga and meditation.

- Dept. of Commerce in collaboration with Dept. of Management organized a National Webinar on “Entrepreneurial Skills” on Jan. 15, 2022. Keynote speaker Dr. Kuldeep Singh Chikara from MDU, Rohtak was the Keynote Speaker of the webinar. In his address, he said that the main reason for unemployment in the country was inadequate and inferior skill training to the youth. He stressed on the requirement of vocational education at school level and effective implementation of various skill development schemes run by the Government. A total of 293 participants attended the webinar.
- Dept. of Sociology in collaboration with Dept. of Computer Applications organized a national webinar on “Relevance of National Girl Child Day” on Jan. 24, 2022. Dr. Prabhjot Kaur, State Project Coordinator, Chandigarh was the Resource person. She highlighted the role and contribution of women in the great work of development of the nation. Col Marwah, alumnus of the college, was mainly involved in the webinar and said that the goal of nation building could be achieved only by keeping the respect and contribution of women in full and right perspective.
- Dept. of English in collaboration with the Dept. of Physical Education organized a National Webinar on “English Language and Health Literacy: Need of the Hour” on Jan. 29, 2022. Dr. Arvind Malik, Dean, Faculty of Education, K.U.K. and Chairman, Department of Physical Education, was the Keynote Speaker. In his address, he laid equal emphasis on proficiency in English Language and need for the physical fitness of human body so as to lead a happy and healthy life. More than 220 participants attended the webinar. Question answer session made the programme more interesting and informative.
- Departments of Botany and Zoology in collaboration with Indian Science Congress Association, Rohtak Chapter organized one day National Webinar on “Integrated Approach in Science & Technology for Sustainable Future” on Feb. 11, 2022. Dr. S.P. Khatkar, Emeritus Scientist, MDU Rohtak, Dr. Vinod Bala Takshak, First Lady Emeritus, MDU Rohtak and Dr. Sulekha Rani Chahal, Department of Biotechnology, Kurukshetra University, Kurukshetra were the chief speakers in this seminar. Dr. Khatkar, while highlighting the integrated approach in the field of science and technology, said that there is a need to increase public awareness on this subject. Dr. Sulekha spoke on the role of biotechnology in sustainable development.
- Dept. of Computer Applications in collaboration with IQAC and OSCA organized one day National webinar on “Single Girl Child Day” on Feb. 17, 2022.
- Department of Computer Applications and IQAC, GMN College, Ambala Cantt in Collaboration with Organization for Social and Cultural Awareness (OSCA) organized a National Webinar on “Advancements in Computer Technology - A Boom: Atam Nirbhar Bharat” on Feb 17, 2022. The Webinar was inaugurated by the Principal Dr. R.P. Singh. He spoke about the role of information technology during COVID-19 and the importance of computer literacy in these times. Dr. Om Prakash Sangwan, Director, Directorate of Distance Education and Professor, Dept. of Computer Science and Engineering, GJUST, Hisar(Haryana) was the Keynote Speaker of the webinar. He enlightened the participants about AI and Machine Learning. Resource Person, Dr Pradeep Tomar, Head, Dept. of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, UP, illuminated the participants on the role of computer technology in making India self-reliant.

- IQAC of the college organized a one Day National Webinar on “Professional Ethics” on Feb. 22, 2022. Mr. Piyush Pahade, President, IQAC Cluster, Pune was the Resource Person of the webinar. He broadly shared his views on Professional ethics and values and discussed in detail about the role of teachers in research and plagiarism. He also engaged the participants by conducting a small activity on Professional ethics. More than 200 delegates across different parts of the country participated in the webinar.
- Dept. of Commerce organized a One-day National Webinar on “Professional Ethics” on Feb. 25, 2022. Keynote Speaker, CA A.D. Gandhi, explained the theme of professional ethics through various examples and highlighted the meaning and significance of moral philosophy in modern era. He also discussed in detail the important components like integrity, fairness, confidentiality etc. 125 delegates from different parts of the country participated in the webinar.
- Departments of Botany and Zoology in collaboration with Indian Science Congress Association, Rohtak Chapter organized one day National Webinar, “Water Resource Management in Hard Rock Terrain” on March 22, 2022.
- Dept. of Sanskrit in collaboration with several other departments of the college organized an International Seminar on “Republic Day Celebration through Sanskrit Code Signaling Medium” on Jan. 25, 2022. Shri Sainath Shanbhag, (Shardul-e-I) Karnataka was the Keynote Speaker of the webinar. Resource Person, Prof. Girish Nath Jha from Jawaharlal Nehru University, New Delhi, in his remarks brainstormed on the broad spectrum of Sanskrit and shared his views with all the participants. Mrs. Malti from South Africa said that Sanskrit is the language of the gods and all other languages exist in this language.
- Dept. of Sanskrit organized a one-day International Seminar on “The Nature of Philosophy in Ritual and Astrology” in collaboration with S.D. College, Ambala Cantt. and Arya Girls College, Ambala Cantt. Keynote Speaker, Dr. Surendra Mohan Mishra, Director, Gulzarilal Nanda Research Institute, Kurukshetra, in his inspiring speech, brainstormed on the broad spectrum of astrology and rituals. Special guest Dr. Kedarnath Prabhakar, Ramtirth Jyotish Research Centre, Saharanpur said that our scriptures are our companions because our whole life process goes along with them from beginning to end. Special guest Dr. Anupama Arya, Principal, Arya Kanya Mahavidyalaya, Ambala Cantt. said that the knowledge of astrology is incomplete without the knowledge of Vedas. Resource Person, Mrs. Malti from South Africa said that human beings are cutting off from our traditions and therefore are unable to understand these serious and scientific subjects properly.

## **FACULTY ACHIEVEMENTS**

### **Dr. Raj Pal Singh**

#### **Principal**

- Attended and chaired a National Webinar on “Relevance of Marxism in Contemporary Indian Society” organized by Department of Sociology on July 05, 2021.
- Attended and chaired a National Webinar on “Economics: A Vision and Philosophy of Life” organized by Department of Economics on July 07, 2022.
- Attended and chaired a National Webinar on “Physical Literacy: Need for Modern Society” organized by Department of Physical Education on July 09, 2021.
- Attended and chaired a National Webinar on “Advancements in Computer Technology” organized by Department of Computer Application in collaboration with OSCA on Feb 17, 2022.
- Attended and chaired a one-day National Webinar on "Professional Ethics" organized by IQAC on Feb 22, 2022.

### **Mrs. Rachna Khanna**

#### **Dept. of Sociology**

- Participated in two days National Webinar on “NAAC Documentation”, organized by organized by (SES) SGM Degree college of Commerce in association with IQAC Cluster India on Jan. 29-30,2022.
- Organized one day National Seminar on “Advancements in Computer Technology A Boom: Atmanirbhar Bharat” on Feb. 17, 2022 in collaboration with Computer Application department, G.M.N. College, Ambala Cantt and Organization for Social and Cultural Awareness (OSCA) N.G.O.
- Organized one day National Webinar (online) on 'Professional Ethics', on Feb.22, 2022. Dr. Peeyush Pahade, President IQAC Cluster, Pune was the Resource Person.
- Attended one day webinar on “Best Practices in HEIs – Nurturing and Sustaining Quality Outcomes” on Feb. 28, 2022 organized by Aggarwal College, Ballabgarh.
- Participated in one day National webinar 'Quality Initiatives in Higher Education' on March 26, 2022, organized by IQAC Cell, S.D. College in collaboration with Higher Education, Haryana.
- Organized one day Training Programme on “Role of Non-teaching staff in NAAC”, on April 09, 2022.
- Organized One week Faculty Development Programme on “Academic Research Writing” in collaboration with IQAC cluster, South India, sponsored by DGHE, Haryana from April 23-29, 2022.
- Organized One Day Workshop on 'Synergy of NEP-2020 and NAAC Assessment and Accreditation and Value Based Education' on June 15, 2022.
- Participated in a National Webinar entitled “Experiential Learning as Envisaged in NEP-2020” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education on June 19,2022. (This is equivalent to a regular National Seminar).
- Participated in a two day online National Level workshop “Transformation through NAAC Accreditation Process for Higher Educational Institutions & Health Science Institutions” held on June 20-21, 2022 conducted by “Institute for Academic Excellence, Hyderabad” in collaboration with Collegiate Education & Technical Education Department, Telangana State.
- Attended online immersive e-certificate training course in perspectives on gender through healthcare lined organized by Yedurappa Centre for ethics Mangalore, India.



**Dr. S.K. Gasso****Dept. of Punjabi**

- Organized a State level Book Conference on May 15, 2021.
- Delivered a lecture on 'Punjabi Sahitya mein Prastut Manviya Mulya' at Arya Kanya Degree College, Markanda, Shahbad on Nov. 01, 2021.
- Punjabi Sahitya Sabha, GMN College, Ambala Cantt.in collaboration with Haryana Punjabi Sahitya Academy, Panchkula, organized a National Seminar on the topic 'Punjabi Literature: Present and Future' on Nov. 17, 2021.
- Delivered a lecture on "Punjabi Language and Literature" at Maharana Pratap National College, Mullana on Feb. 23, 2022.
- Awarded 'Bhai Santokh Singh Puraskar' by Chief Minister of Haryana, Shri. Manohar Lal Khattar, at Tagore Theatre, Chandigarh on Feb. 24, 2022.
- Published an article on "Matrabhasha" in 'Dainik Punjabi Jagran' on Feb. 27, 2022.
- An article on "Ao Jung Mukht Sansar Sirjiye" published in 'Dainik Desh Sevak' Newspaper on March 27, 2022.
- An article got published in 'Dainik Punjabi Jagran' on May 22, 2022.
- Delivered a lecture on the 'Life and Teachings of Shri Guru Teg Bahadur Ji' at Govt. College, Ambala Cantt.
- Published an Anthology of Punjabi Poetry 'Kina Sohna Ambar Lagda' with ISBN 978-93-90603-88-6 in 2021.
- Published a book on 'Kithe Nahi Bhagat Singh' with ISBN 978-93-94682-080603-88-5 in 2022.
- Published a collection of his representative poems in Nepalese language 'Khushi ko Indreni' in 2021. ISBN 978-93-91034-31-3.

**Dr. Rajindera****Dept. of Sanskrit**

- Two patents published.
- Honoured by S.D College, Arya Girls College, Adarsh Sanskrit College, D.A.V. College, Pehowa.
- Three lectures delivered as Resource persons in Arya Girls College, Ambala Cantt, One lecture delivered at S.D. College, Ambala Cantt.
- Organized various inter disciplinary National and International webinars.

**Dr. S. S. Nain****Department of Political Science**

- Paper titled "Dimensions of Indo-China Strategic Relations", published in Gyan Vimarsh, Vol. 4, No.4, July 2021, pp.1-6.
- Attended one day national webinar on Advancement on Computer Technology a Boom: Atmnirbhar Bharat, organized by G.M.N College Ambala Cantt on Feb. 17, 2022.
- Attended one day Webinar on "Professional Ethics" organized by Internal Quality Assurance Cell, G.M.N College Ambala Cantt on Feb. 22, 2022.
- Participated in one day National Webinar on "Professional Ethics" organized by the Department of Commerce, G.M.N. College Ambala Cantt. on Feb. 25, 2022.
- Attended Annual Training Camp at S.D. College Ambala Cantt.
- Attended a one-week Faculty Development Programme from April 23-29, 2022 organized by G.M.N. College, Ambala Cantt.

**Dr. Krishna Kumar Punia****Dept. of Public Administration**

- One Research Article published on “Women's Leadership in Panchayati Raj Institutions: Possibilities and Challenges” published in Panchayati Raj Update.
- Co-Dean of Cultural Activities and members of Sports Council and N.S.S. Advisory Committee.
- Involved in paper setting of Guru Jambheshwar University, Hisar
- Participated in one week Faculty Development Programme on “Academic Research Writing” from April 23-29, 2022.
- Organized educational tour of students to visit Jawala ji, Dharamshala and Mcleodganj from June 09-11, 2022.

**Dr. S.K. Pandey****Dept. of Physics**

- Participated in Two day International conference on February 26-27, 2022 on “Advances in science and technology in 21<sup>st</sup> Century (ICAST-22)”, organized by Department of Science, Markanda National College, Shahbad Markanda.
- Paper “MoS 2 Monolayer Sols Preparation and it's Optical Characterization for Solar Applications” presented and published in proceedings of Director General, Higher Education, Haryana, ISBN: 978-93-5627-369-6.
- Participated in one week faculty development programme on “Academic Research Writing” from 23-29 April, 2022.

**Mr. Ram Murti****Dept. of Commerce**

- Published a research paper entitled “Green Packaging: Need of The Era, For a Better Present and Future” in International Journal of Research and Analytical Reviews (IJRAR). E-ISSN: 2348-1269, P-ISSN: 2349-5138.
- Participated in national webinar titled “Contemporary Indian Society” organized by G.M.N. College Ambala Cantt. on July 05, 2021.
- Attended E-Workshop on “Role of Communication, Media and Technology in youth development” on July 10, 2021 in G.M.N. College Ambala Cantt.
- Attended one day national webinar title “Technological Advancements in Science” organized by G.M.N. College Ambala Cantt. on Jan. 07, 2022.
- Participated in a webinar titled “Professional Ethics” organized by IQAC of G.M.N. College, Ambala Cantt.
- Participated in one week faculty development programme on “Academic Research Writing” from 23-29 April, 2022.

**Ms. Pinki Gupta****Dept. of Commerce**

- Attended One week National Workshop on Research Methodology And Data Analysis organized by Maharaja Agrasen University in association with MAIT and MAIMS from August 18-25, 2021.
- Research paper published in seminar edited book on the topic” Recent Trends in Indian Telecommunication Industry” in Role of Information and Communication Technology (ICT) during COVID-19 on Jan. 29-30, 2022 with ISBN: 978-81-952920-0-4.
- Research Paper presented in International Conference on Advanced Research in Banking, Finance and Research on the topic “A Review of Literature on Consumer Behaviour in Telecom Sector” on

Feb. 16-17, 2022 organized by School of Commerce KPR College of Arts Science and Research.

- Research paper entitled “An Analysis of Various Elements of Promotion Mix of Telecom Service Providers in Haryana” published in *Journal of Education: A UGC Care Listed, Peer reviewed and Referred Journal* with ISSN: 0972-7175 with impact factor 5.8.
- Research paper entitled “An analysis of factors influencing promotion mix of leading telecom service providers in Haryana” published in an International journal, *Kanpur Philosophers: a UGC Care Listed, Group I, Peer reviewed and Referred Journal* with ISSN: 2348-8301 with impact factor 5.8.

### **Dr. Suman**

#### **Dept. of Commerce**

- Published a research paper on the topic, “International Stock Market Integration: A Review” in IJRAR in December 2021.
- Participation in One week FDP on the topic, “Academic Research Writing” from April 23rd- 29, 2022 organized by G. M. N. College, Ambala Cantt.
- Completed an inter disciplinary online two-week Refresher Course on “Managing Online Classes & Co-Creating MOOCs 10.0” from Dec. 13- 27, 2021 organized by TLC Ramanujan College, University of Delhi.
- Organized a National Webinar as Organizing Secretary on “Entrepreneurial Skills” on Jan. 15, 2022.
- Organized a National Webinar on the topic, “Professional Ethics” on Feb. 25, 2022.

### **Dr. Amit Kumar**

#### **Dept. of English**

- Organized a National Webinar on “English Language and Health Literacy: Need of the Hour” in collaboration with Dept. of Physical Education on Jan. 29, 2022.
- Participated in an FDP on “Research Methodology” organized in collaboration with IQAC Cluster South India and sponsored by DGHE, Haryana. From April 23-29, 2022.

### **Dr. Surjeet Singh**

#### **Dept. of Computer Science**

- Organized one day international webinar on the occasion of Makar-Sakrant on Jan. 14, 2022 on collaboration with Sanskrit department.
- Successfully completed one week Faculty Development Programme on “Academic Research Writing” from April 23-29, 2022.

### **Ms. Upinder Kaur**

#### **Dept. of Computer Science**

- Participated in one week National workshop on “Research Methodology and Data Analysis” from August 18-25, 2021 organized by MAU, Baddi.
- Participated in one week Faculty Development Programme on “Academic Research Writing” from April, 23- 29, 2022 organized by G.M.N College, Ambala Cantt.
- Life membership of Green ThinkerZ Society.

**Mrs. Kamlesh****Dept. of English**

- Research Article, “Validating Dalit Literature as a Tool to Awakening Dalit Consciousness” published in an International Journal of Health Sciences, Scopus Indexed Journal 2022, Volume 6,(S3), 5065-5076.<http://doi.org/10.53730/ijhs.v6Ns3.7009>
- Presented the research paper, “Creating Conversation across Caste Ridden Society: A Subaltern Study of Baby Tai Kamble's *The Prisons We Broke*”, in One Day National Seminar on the topic, “Indian Writing in English: Contemporary Trends and Concerns”, Sponsored by D.G.H.E, Panchkula, Haryana & organized by S.D College, Ambala Cantt. on March 12, 2022.
- Completed One Week Faculty Development Programme on 'Academic Research Writing' organized by Gandhi Memorial National College, Ambala Cantt. in collaboration with IQAC Cluster, South India and sponsored by D.G.H.E, Haryana from April 23-29, 2022.

**Ms. Pinki****Department of Mathematics**

- Pinki., Pankaj Kumar, Aroonkumar Beesham, (2022). Reconsidering Holographic Dark Energy in Brans Dicke Theory. The European Physics Journal C; open-access single-blind peer-reviewed Journal, 82:143. [Indexed in Scopus, SCI; Impact Factor: 4.59].
- Pinki (2021). Evolution of Tsallis Holographic Dark Energy Models: A Review. Aryabhata Journal of Mathematics & Informatics. Double-Blind peer reviewed refereed international journal [Indexed in Google scholar, ISA, ICI; Impact Factor: 5.25].
- Pinki, & Kumar Pardeep, Hybrid Compression Technique with Region of Interest for Medical Images in Wireless Sensor Networks. In IoT Big Data and AI for improving Quality of Everyday life: Present and Future Springer.[Indexed in Scopus]
- Attended One Week Workshop on “Research Methodology and Data Analysis” from Maharaja Agrasen University from August 18-25, 2021.
- “Generalised Ghost Dark Energy in Brans Dicke Theory with Logarithmic Scaler Field for Flat Universe” in International Conference on “Recent advances in Solid Mechanics And Seismology” on October 26-28, 2021 from Kurukshetra University, Kurukshetra.
- Attended Webinar on “Applications of Differential Geometry” organized by M.M University, Mullana on Feb.10, 2022.
- Attended Webinar on “Latex for Creating Technical and Research Articles” organized by M.M University, Mullana from Feb.18 -19, 2022.
- Attended Webinar on “Women at Workplace: Issues and Challenges” organized by Govt. (PG) College, Ambala Cantt on Feb 22, 2022.
- Attended Webinar on “Professional Ethics” organized by G.M.N. College, Ambala Cantt on Feb. 22, 2022.
- Attended One Week FDP on “Academic Research Writing” from GMN College, Ambala Cantt from April 23-29, 2022.
- “Reconsidering Holographic Dark Energy in BD Theory” in National Conference “Natural Sciences: Exploration through Innovations” on May 27-28, 2022 from Maharaja Agrasen university, Solan.
- Won second position in paper presentation in National Conference “Natural Sciences: Exploration through Innovations” on 27-28 May, 2022 from Maharaja Agrasen University, Solan.

**Dr. Bharti Vij****Dept. of Management**

- Attended Online two week interdisciplinary refresher course on “Research Methodology” from July 20 - August 03, 2021 under the aegis of PMMMMNMTT.



- Participated in one day National Webinar on “Cyber Security” organized by RUSA, Department of BBA (CA) Tulijaram Chahrchand, College, Baramati held on January 11, 2022.
- Participated in one day online National Seminar on “Entrepreneurial Skills” organized by Departments of Commerce and Management of GMN College held on January 15, 2022.
- Participated in national webinar on “Importance of National Girl Child” organized by Department of Sociology and Computer Applications of GMN College on January 24, 2022.
- Participated in international webinar on Voter’s Day and Republic Day Celebration through Sanskrit Coding” at GMN College on January 25, 2022.
- Participated in international webinar on “ASEAN Government Initiative in Managing COVID -19” at Excels Engineering College, Tamil Nadu on January 25, 2022.
- Participated in national webinar on “English Language and Health Literacy: Need of Hour organized by Department of English and Physical Education of GMN College on January 29, 2022.
- Attended One week FDP on “Entrepreneurship Development Programme” by MSME- technology development Centre, Agra from January 27-31, 2022.
- Presented paper on “Systematic Review of Literature of HRD Practices in Banking Sector in India” in International Conference on “Advanced Research in Banking Finance and Business Opportunities and Challenges ICARFBF`22” held on February 16-17, 2022 at KPR College of Arts, Science and Research, Coimbatore, Tamil Nadu.
- Participated in National Webinar on “Advancements in Computer Technology A Boom : Atmanirbhar Bharat” organized by Departments of Computer Applications and IQAC in GMN College on February 17, 2022.
- Participated in one day online multi-disciplinary national seminar on “Voyage from Azad Bharat towards Atmanirbhar Bharat” in Government College, Naraingarh on March 05, 2022.
- Attended One week FDP on “Academic Research Writing” in GMN College from April 23-29, 2022.
- Appreciation certificate from SDO in the field of social welfare and women cell.

**Dr. Ravneet Kaur**

**Dept. of Management**

- Published a paper in International Research Journal of Management Sociology and Humanities, on the topic, “Capital Structure Practices in Steel & amp; Chemical Industry”, ISSN 2277-9809(O) 2348-9359(P) , Vol. 13, No. January 2022, pp.170-191.
- Published a paper in Book entitled, “Contemporary Issues in Banking, Insurance and Financial Services, on the topic, “HR Issues in Indian Banking Sector”, ISBN 978-81-955434-5-8, January 2022, pp. 157-162.
- Participated in Online Two-Week Interdisciplinary Refresher Course on, “Research Methodology” from 20th July- 03rd August 2021 under the aegis of PMMMNMTT.
- Participated in National Webinar on “Teachers e-kit: A four quadrant approach for development of OER's for Higher Education” organized by “Guru Angad Dev Teaching Learning Centre”, University of Delhi on September 9, 2021.
- Participated in National Webinar on, “Entrepreneurial Skills” organized by Department of Commerce and Management, GMN College, Ambala Cantt on January 15, 2022.
- Participated in National Webinar on, “Women at Work Place: Issues and Challenges” organized by Women Development Cell in collaboration with ADRC and IQAC, Govt PG College, Ambala Cantt on Feb. 8, 2022.
- Participated in National Webinar on, “Integrated Approach in Science Technology for Sustainable Future” organized by GMN College and Indian Science Congress Association, Rohtak on Feb. 11, 2022.

- Participated in National Webinar on, “Advancements in Computer Technology A Boom: Atm Nirbhar Bharat” organized by OSCA on Feb. 17, 2022.
- Participated in National Webinar on, “Professional Ethics” organized by IQAC, GMN College Ambala Cantt on Feb. 22, 2022.
- Presented a research paper entitled, “Women Nutrition & Health” in One Day Online National Seminar on, “Gender Sensitive Issues and Women Empowerment”, organized by SD College Ambala Cantt in Collaboration with DGHE, on February 25, 2022.
- Attended One Week FDP, organized by GMN College, Ambala Cantt in collaboration with IQAC, sponsored by DGHE on “Academic Research Writing” from April 23-29, 2022.

### **Dr. Amita**

#### **Department of Management**

- Paper published in TSME Journal of Management titled “Recent Trends in Deposits and Advances of Scheduled Commercial Banks in India: Bank Group-wise Analysis”, vol. II, No 1.2. (July – December 2021) ISSN 2249-6092.
- Paper published on “Social and Economic Impact of Insurance: A Case Study of India” in edited book entitled “Contemporary Issues in Banking, Insurance and Financial Services” edited by Institute of Management Studies, KUK, Haryana. ISBN 978-81-955434-5-8, January 2022, Pg – 163 to 171.
- Participated in Online Two-Week Interdisciplinary Refresher course on “Research Methodology” from July 20– August 03, 2021 under the PMMMMNMTT.
- Paper presented on “Indian Economy's Recovery after COVID – 19 Pandemic: An analysis of Expert's Opinion in National Conference on Road to Recovery: New Dimensions and Challenges for Indian Economy”, sponsored by Higher Education Department, Haryana on October 30-31, 2021.
- Participated in National Webinar on “Entrepreneurial Skills” organized by Department of Commerce & Management, G.M.N College, Ambala Cantt. on January 15, 2022.
- Participated in National Webinar titled “English Language and Health Literacy: Need of the Hour” organized by Department of English in collaboration with Department of Physical Education held on January 29, 2022.
- Participated in One Day National Webinar on “Women at Workplace: Issues and Challenges” organized by Women Development Cell in Collaboration with ADRC and IQAC in Government P.G. College Ambala Cantt., Haryana on February 08, 2022.
- Participated in a Webinar titled “Professional Ethics” organized by IQAC of GMN College Ambala Cantt., held on February 22, 2022.
- Paper presented in One day online multi – disciplinary national seminar on “Voyage from Azad Bharat towards ATMANIRBHAR BHARAT”, held on March 5, 2022 entitled “ India's Atmanirbhar Bharat Mission: An appraisal.”
- Completed one week Faculty Development Programme organized by G.M.N College, Ambala Cantt. in collaboration with IQAC cluster, South India and sponsored by D.G.H.E, Haryana from April 23-29, 2022.

### **Dr. Manjeet Kaur**

#### **Music Dept.**

- Presented research paper titled “Sangeet aur Vigyan” in National Seminar organized by M.D.S.D Girls College Ambala City.
- Research Paper Published in research Journal 'Gyan Vimarsh' titled: “Music and it's Various Role in Academics”.
- Attended seven days FDP Organized by G.M.N College Ambala Cantt in collaboration with IQAC Cluster, South India sponsored by DGHE Haryana from April 23-29, 2022.

**Dr. Anupama Sihag****Dept. of Psychology**

- Presented paper on “Stress at Workplace-Karma Yoga Perspective” in 6<sup>th</sup> International Seminar, KUK in online mode.
- Organized Webinar on “Positive Mental Health: Need of the Hour to Face Pandemic” on January 15, 2022.
- Presented a paper on “Workplace Stress and Happiness in Teachers” in 57<sup>th</sup> National and 26<sup>th</sup> International conference of IAAP from January 27-29, 2022.
- Presented and got paper published on “Combating Gender Stereotype: Issues and Challenges” on February 25, 2022 in National Webinar organized by SD College, Ambala Cantt in collaboration with DHE, Haryana.
- Presented and got a paper published on “Compassionate Machines in Healthcare: Challenge to Intervene AI and EI” on March 20, 2022 in National Webinar organized by SD College, Ambala Cantt in collaboration with DHE, Haryana.
- Presented and got paper published on "Skill Development through Terminological Competence" on March 26, 2022 in National Webinar organized by SD College, Ambala Cantt in collaboration with DHE, Haryana.
- Member of Committee, KUK for design scheme and syllabus of UG courses in Psychology under NEP 2020.
- Delivered lectures as resource person at Farookha Khalsa Senior Secondary School, Ambala Cantt on May 15, 2022 and online at Ramjas College, University of Delhi On October 10, 2021.
- Providing Counseling at Nayi Disha portal, DHE Haryana.
- Incharge of Short Term Course on Emotional Intelligence.
- Donated blood on December 27, 2021 in camp organized by Prayas Foundation.
- Chapter “COVID-19 vaccination- Challenges and Psychosocial Impact” in Gyan Vimarsha.
- Chapter “Compassionate Machines in Healthcare: Challenge to Intertwine AI and EI” in book.

**Dr. Kuldeep Yadav****Dept. of Botany**

- Google Scholar Citation index: 907; h-index: 19; i10-index: 31 (<https://scholar.google.com/citations?user=O96vylkAAAAJ&hl=en>)
- Successfully completed two-week Refresher Course on “Life Sciences” from 01 – 15 Sept, 2021 organized by Teaching & Learning Centre, Ramanujan College in collaboration with Miranda House, University of Delhi under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) scheme.
- Co-author in a research paper entitled, “Indirect organogenesis in Ephedra foliata” published in SCI indexed journal, Environmental and Experimental Biology (ISSN 2255-9582), Vol 20: 55-60.
- Co-author in a research paper entitled, “Evaluation of antimicrobial activity and phytochemical qualitative analysis of Ephedra foliata Boiss. ex C.A. Mey.” in Scopus indexed journal, Herba Polonica (ISSN 0018-0599), DOI: 10.2478/hepo-2022-0007.
- Awarded certificate of Appreciation from Prayaas Society (Regd.), Ambala Cantt. for organizing Blood Donation Camp on Dec. 27, 2021.
- Acted as Judge/ Expert at District level Science Exhibition on Jan. 17, 2022 at Govt Sen Sec School, Bakra market, Ambala Cantt
- Successfully organized online inter-college State level Poster Making Competition on the theme, “Integrated Approach in Science & Technology for Sustainable Future” on February 08, 2022 in collaboration with Indian Science Congress Association, Rohtak Chapter.

- Successfully organized one day National Webinar, “Integrated Approach in Science & Technology for Sustainable Future” on February 11, 2022 in collaboration with Indian Science Congress Association, Rohtak Chapter.
- Successfully organized one day National Webinar, “Water resource management in hard rock terrain” on March 22, 2022 in collaboration with Indian Science Congress Association, Rohtak Chapter.

**Dr. Meenu Rathi**

**Dept. of Botany**

- Organized a National Webinar on “Integrated approach in Science & Technology for Sustainable Future” in association with ISCA, Rohtak chapter.
- Organized of one day webinar on “Water Resource Management in Hard Rock Terrain.”
- Participated in 7 days FDP on academic research writing in collaboration with DHE, Haryana.
- Edited a book “Microbes for Humanity and Applications”.
- Published an international paper in “International Journal of Biology, Pharmacy and Applied Sciences.”

**Dr. Chander Pal Punia**

**Dept. of Music**

- A chapter published in the book entitled, ‘विवेकानंद, गांधी और अम्बेडकर : एक चिंतन’ on the topic “महात्मा गांधी के शिक्षा दर्शन का सामाजिक परिवर्तन में योगदान ” Sanjay Publications, New Delhi, October 2021, ISBN : 978-81-954008-7-4.
- A Book published entitled, “भारतीय संगीत एवं संस्कृति”: (Being Editor), Aryan Publication, New Delhi , ISBN : 978-93-86695-32-1, 2021.
- Acted as Convener in E-Workshop on “Role of Communication, Media and Technology in Youth Development,” organized by GMN (PG) College in collaboration with OSCA dated July 10, 2021.
- Acted as Organizing Secretary in online National Webinar on, “गांधी चिंतन एवं आज़ादी के विभिन्न आयाम” organized by GMN (PG) College in collaboration with OSCA and School of Studies, Political Science and Public Administration Vikram University, Ujjain (MP), on October 02, 2021
- Paper presented in National Seminar Organized by Department of Punjabi, GMN College, Ambala Cantt. on the Topic संगीत के प्रचार-प्रसार में पंजाबी कलाकारों का योगदान on November 17, 2021
- Road Safety Club, RRC & Youth Red Cross Society organized a workshop on “Nation Building and Youth” on December 06, 2021.
- Road Safety Club organized AIDS awareness rally in collaboration with Red Ribbon Club, youth Red Cross Society, Department of Political Science & Department of Mass Communication on December 01, 2021.
- Acted as Convener in Zonal Youth Festival Coverage Photography Exhibition organized by Department of Mass Communication, GMN College, Ambala Cantt. on dated December 30, 2021.
- Received, "Rastra Nirman Rattan Award," from Nirman Campus of Education Research and Training" regarding outstanding performance in the field of Education, Social and Humanity on April 17, 2022.
- Paper presented in National Seminar Organized by Department of Music, MDSD College, Ambala City on the Topic मानव जीवन को तनाव मुक्त करने में संगीत का योगदान on June 28, 2022



**Dr. Deepak Kumar****Librarian, Jaswant Rai Memorial Library\**

- Successfully completed AICTE Sponsored Online Faculty Development Programme on “Information Sources and Learning in Digital Age: Challenges and Prospects” organized by Dr. Bhim Rao Ambedkar Library, Guru Jambheshwar University Science and Technology, Hisar from November 08-13, 2021.
- Successfully completed one week Faculty Development Programme on “Research in Social Science: Contemporary Trends, Perspectives and Padagogy” organized by Jawahar Lal University, New Delhi and Galgotia University, Uttar Pradesh from February 07- 13, 2022.
- Successfully completed one week Faculty Development Programme on “Developing MOOCs: Concepts and Tools” with Grade 'A+' organized by Teaching Learning Centre, Ramanujan College, University of Delhi, held from March 10-16, 2022.
- Successfully completed one-week DGHE Sponsored Faculty Development Programme on “Academic Research Writing” organized by GMN College Ambala Cantt. and IQAC Cluster South India from April 23- 29, 2022.

**Dr. Dharamveer Saini****Dept of History**

- Edited book “150 Years of Mahatma Gandhi”- Edited by Dr. Suman Siwach and Dr. Dharamveer Saini, Published by Nirmal Publishing House, Kurukshetra, 2020-21.
- “History and Historiography on Modern India; A Felicitation Volume for Professor Amarjit Singh”, Edited by Dr. Suman Siwach and Dr. Dharamveer Saini, Published by Kanishka Publishers, Distributors, New Delhi, 2022.
- Paper titled “Muslim Community in Haryana; A Study of Khilafat and Non-Cooperation Movement”, presented in Journal of Haryana Studies, Kurukshetra University, Kurukshetra, September 2021.
- “Mahatma Gandhi, Punjab and Indian National Movement 1915 -1922”, Edited by Dr. Suman Siwach and Dr. Dharamveer Saini, Published by Nirmal Publishing House, Kurukshetra, 2020-21.
- “Electoral Politics and Muslims of Haryana: An Assessment of Northern Haryana Region (1947-2001)”, Edited by Dr. Suman Siwach and Dr. Dharamveer Saini, Published by Kanishka Publishers, Distributors, New Delhi, 2022.
- Successfully completed online Two-Week Refresher Course in History entitled “Society and Culture in India: Changing Historical Trends and Their Challenges” under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from August 25-September 07, 2021 organized by Teaching Learning Centre, Ramanunjan College, University of Delhi, Delhi.
- Attended one-day NSS Orientation and Training Programme on “Public Financial Management System” under the celebration of Azadi Ka Amrit Mahotsav at Kurukshetra University, Kurukshetra on October 02, 2021.
- An appreciation Certificate rendered by Prayas Society (Registered) Ambala Cantt, for the excellent service rendered by me in Blood Donation Camp on December 27, 2021 in Collaboration with Gandhi Memorial National College and Prayas Society, Ambala Cantt.
- Participation in Webinar Titled “Approach in Science and Technology for Sustainable Future” jointly Organized by Indian Science Rohtak Chapter and Department of Botany and Zoology, Gandhi Memorial National College, Ambala Cantt on February 11, 2022.
- Participation in Webinar Titled “Professional Ethics” Organized by IQAC Cell, Gandhi Memorial National College, Ambala Cantt on February 22, 2022.
- Participation in Webinar Titled “Swatantrata Aandolan Main Haryana Ka Yogdan” Organized by jointly organized by Institute of Integrated & Honours Studies H, Kurukshetra University,

- Kurukshetra and Shiksha Sanskriti Utthan Nayas, Haryana on May 08, 2022.
- Participation in Webinar Titled “Indian Society and Culture in Modern Times” Organized by Department of History, Govt. PG College, Narayangarh, Ambala, Haryana on May 14, 2022.
- Attended One-Week Faculty Development Programme on entitled “Academic Research Writings” from April 23-29, 2022 organized by Gandhi Memorial National College in Collaboration with IQAC Cluster, South India and Sponsored by DGHE, Haryana.

### **Ms. Sujata Goyal**

#### **Department of Mathematics**

- Published a paper “Effect of Lockdown Amid COVID-19 Pandemic on Air Quality of Most Polluted Cities of Punjab (India)” in Journal of Earth System Science (SCI Indexed, Impact factor 1.371).
- Published a paper “Creep Modelling in a Rotating FGM Disc” in Advances and Applications in Mathematical Sciences” (UGC CARE Listed).
- Presented a paper “A New Generalization of Cyclic Weakly Chatterjea Type Contractions” in International Conference “Recent Advances in Solid Mechanics & Seismology” organized by Department of Mathematics, Kurukshetra University, Kurukshetra on Oct 26-28, 2021.
- Presented a paper “A Generalization of Fixed Point Theorem of Reich” in International Conference “Advances in Science & Technology in 21st Century” organized by Department of Science, Markanda National College, Shahabad Markanda on Feb 26-27, 2022.
- Attended Online Refresher Course in Applied Mathematics organized by HRDC, Ranchi University, Ranchi from September 16-29, 2021.
- Attended One Week FDP “Academic Research Writing” from April 23-29, 2022 organized by G.M.N. College, Ambala Cantt.

### **Dr. Niyti**

#### **Dept. of Physics**

- Published research paper titled, Study of Decay Properties of  $^{260}\text{Sg}^*$  Nucleus Formed in  $^{52}\text{Cr} + ^{208}\text{Pb}$  Reaction by Using GSkI Skyrme Force. Physics of Particle and Nuclei 53, 441–446 (2022).
- Published a research paper titled, “Capitalism After Corona and Its Scientific Impact” in the journal Gyan Vimarsh, ISSN: 2581-6845, Vol 4, issue 4, July 2021.
- Co-Convenor of National webinar on Technological Advancements in Science organized on Jan. 7, 2022.
- Participated in International webinar on “Voter Day and Republic Day Celebration through Sanskrit coding on Jan. 25, 2022.
- Participated in national webinar on 'Integrated approach in Science and technology for sustainable future' on Feb. 11, 2022.
- Successfully completed a two week Refresher course in physical sciences from Panjab University Chandigarh from Feb 15 -28, 2022 with A grade.
- Presented a research paper titled, “Application of Dynamical Cluster decay Model to  $^{52}\text{Cr} + ^{208}\text{Pb}$  reaction: A theoretical Study” in national conference on low energy nuclear reaction dynamics organized by AMU from March 07-09, 2022.
- Presented a poster titled, “Health Effects of Noise Pollution: An Acoustical Study” in International conference on recent advances in applied sciences organized by MMU, Mullana on March 23-24, 2022.
- Participated in webinar on “A journey through wonders of physics with atomic nuclei” on March 30, 2022.
- Participated in national webinar on Perspectives, Challenges and opportunities for students in the

field of nuclear reactor physics in the Indian context on March 30, 2022.

- Participated in one week FDP on “Academic Research Writing” organized by GMN College, Ambala Cantt.

### **Dr. Shikha Jaggi**

#### **Dept. of Zoology**

- Convenor of National Webinar on “Integrated approach in Science and Technology for Sustainable Future” in association with ISCA, Rohtak chapter.
- Convenor of one day webinar on “Water Resource Management in Hard Rock Terrain.
- Participated and member of organizing committee in 7 days FDP on “Academic Research Writing” in collaboration with DHE, Haryana. from April 23-29, 2022.
- Edited a book “Microbes for Humanity and Applications”.

### **Dr. Rakesh Kumar**

#### **Dept. of Political Science**

- Acted as organizing secretary in E-Workshop on “Role of Communication, Media and Technology in Youth Development,” organized by GMN (PG) College in collaboration with OSCA, on July 10, 2021.
- Acted as organizing secretary in, “World Day of International Justice,” and State Level online poster making competition organized by Department of Political Science, Public Administration and Legal Literacy Cell of GMN (PG) College Ambala Cantt. in collaboration with Professor VIR Sen Vinay Malhotra Trust (Regd.) Ambala on July 17, 2021.
- Online PPT presented in International webinar on, “Indo-Pak Relations,” organized by Government Degree College, Pachmohani, Siddhartha Nagar, UP, India, on September 27, 2021.
- Online paper presented in National Webinar on, “Constitutional Provisions for Women Protection in India,” organized by Government College, Naraingarh (Ambala) on Oct. 01, 2021.
- Acted as convener in online National Webinar on, “Gandhi Chintan Avam Azadi Ke Vived Aayam,” organized by GMN (PG) College in collaboration with OSCA and School of Studies, Political Science and Public Administration Vikram University, Ujjain (MP), on Oct. 02, 2021.
- Paper Presented in International conference on, “Interfaith Studies: A Way to Peace and Harmony” on the Topic, “Gandhian Philosophy and World Peace, organized by Faculty of Education, Social Sciences and Languages, Desh Bhagat University, Mandi Gobindgarh, Punjab in Collaboration with Parama Dhamma Chethiya Maha Pirivena, Sri Lanka on, Dec. 10, 2021.
- A chapter published in the book entitled, “Swami Vivekanand Gandhi Aur Ambedkar, Ek Chintan” on the topic 'Yuva Chetna ke Prerak: Swami Vivekanand', Sanjay Publication, New Delhi, September 2021, ISBN: 978-81-954008-7-4.
- Received Appreciation Certificate from Prayaas Society (Regd.) Ambala Cantt. regarding excellent services in Blood Donation Camp on Decemebr 27, 2021.
- Received, "Rastra Gourav Sammaan – 2021 from Organization for Social and Cultural Awareness regarding Excellent Services in the field of Education, Social and Humanities.
- Online Paper presented in International web conference in, “Transformation in Education, Languages, Social Science, Science and Technology” on the topic, “Bal Majduri : Karan Avm Nirwarn” organized by ICERT, on January 22-23, 2022
- Received “Ekalavya Award 2021 "From International Council for Education, Research and Training” on January 22-23, 2022.
- Online Delivered Extention lecture on the topic, “Locke's Concept of Natural Rights” at D.A.V. College Pehowa (Kurukshetra) on January 25, 2022.

- Paper published in International Journal, *Journal of Fundamental and Comparative Research* on the Topic, "Higher Education System: Challenges and Reforms", Vol. VIII, No. 1(II): 2022, ISSN: 2277-7067.
- Received "Rastra Nirman Rattan Award," from Nirman Campus of Education Research and Training" regarding outstanding performance in the field of Education, Social and Humanity on April 17, 2022.
- Completed one week faculty development programme organized by GMN (PG) College, Ambala Cantt. in Collaboration with IQAC Cluster, South India and sponsored by DGHE Haryana, from April 23-29, 2022.
- Evaluate a Ph.D. Thesis, entitled, "Protection of Women Human Rights: Study of Kaithal and Kurukshetra District in State of Haryana" from NIILM University, Kaithal, May 2022.
- Appointed as External Expert for Ph.D. Viva-Voce at NIILM University on June 03, 2022
- Paper Published in International Journal, "Journal of Fundamental and Comparative Research" on the topic, "Bal Majduri : Karan Avn Niwaran", Vol-VIII, No. 1 (XXI) : 2022, ISSN : 2277-7067
- Paper presented in National Seminar on the Topic, "Lack of Political Morality and its Impact on Democracy", at R.K.S.D. (PG) College, Kaithal on June 11-12, 2022.
- A Chapter Published in the book entitled, "Politics in Kashmir: An Overview," on the topic, "Indo-Pak Relations and Kashmir Issue," K.K. Publications, New Delhi, June 2022, ISBN: 978-81-7844-419-2.

#### **Dr. Saroj Lohan**

##### **Dept. of Political Science**

- Participated in 7 days Faculty Development Program on "Academic Research Writing" organized by GMN College, Ambala Cantt. in collaboration with IQAC cluster South India and sponsored by DHE Haryana from April 23-29, 2022.

#### **Dr. Neha Aggarwal**

##### **Dept. of Chemistry**

- Published research paper titled, "Nano Research and Nanotechnology Advancements in the Medical Field" in the proceedings of DGHE approved one day national webinar organized by MN College, Shahabad Markanda ISBN: 9789354574399.
- Published a research paper titled, "Capitalism after Corona and its scientific impact" in the journal Gyan Vimarsh ISSN: 2581-6845, Vol 4, issue July 4, 2021.
- Convenor of National webinar on "Technological Advancements in Science" organized on Jan. 07, 2022
- Completed successfully two week FDP (Equivalent to Refresher course) in chemical sciences from Teaching learning centre, Ramanujan College, Delhi University from Feb 1-15, 2022 with 'A' grade.
- Presented a research paper titled, "Chemistry in Everyday's Life: A Brief Overview" in two day international conference on "Advances in Science and Technology in 21st Century" organized by MN College, Shahabad Markanda on Feb. 26-27, 2022.
- Participated in one week FDP on "Academic Research Writing" organized by GMN College, Ambala Cantt. from April 23-29, 2022.
- Presented a poster titled, "An Overview of Hydration Characteristics of the Saccharides in Aqueous Solutions of Inorganic Salts" in International conference on "Recent Advances in Applied Sciences" organized by MMU, Mullana on March 23-24, 2022.
- Member of Organizing Committee of one day National Webinar on "Professional Ethics" organized on Feb. 22, 2022.
- Member of organizing committee of DGHE sponsored FDP on "Academic Research Writing from April 23- 29, 2022.



- Participated in National Webinar on “Entrepreneurial Skills” on Jan. 15, 2022.
- Participated in International webinar on “Voter Day and Republic Day celebration through Sanskrit Coding” on Jan. 25, 2022.
- Participated in National webinar on “English Language and Health Literacy” on Jan. 29, 2022.
- Participated in national webinar on “Advancements in Computer Technology: A Boom” on Feb. 17, 2022.
- Acted as judge in District Level Science Exhibition organized at GSSS Bakra Market, Ambala Cantt. on Jan. 11, 2022.

**Dr. Parvesh Kumar**

**Dept. of Political Science**

- Received “Rastra Nirman Rattan Award,” from Nirman Campus of Education Research and Training” regarding outstanding performance in the field of Education, Social and Humanity on dated April 17, 2022.
- Received "Rastra Gourav Samman – 2021 from organization for Social and Cultural Awareness Regarding Excellent Services in the field of Academy Social and Humanities.
- A chapter published in the book entitled, “Gandhi Vimarsh Ke Vibhinn Aayam” on the topic 'Paryavaran Sanrakshan Aur Swachhata Gandhiwadi Pratiman' Best Publishing House, New Delhi, August 2021, ISBN: 978-93-8900-134-1.
- A chapter published in the book entitled, “Swami Vivekanand Gandhi Aur Ambedkar: Ek Chintan” on the topic ‘Yuva Shakti Evam Rashtra Nirman Mein Gandhi Darshan Ki Prasangikta’, Sanjay Publication, New Delhi, Sept 2021, ISBN: 978-81-954008-7-4.
- Paper Published in International Journal, “Shodhasamhita: Journal of Fundamental and Comparative Research” on the topic, “Loktantrik Vyastha Evan Nirvachan Pranali”, Vol-VIII, No. 1 (XXI): 2022, ISSN: 2277-7067.
- Paper Published in International Journal, “Sambhodi” on the topic, “Vartam Mein Gandhiwadi Vichardhara ki Prasangkita ka Adhyan”, Vol – 45 No.1(VI): 2022, ISSN: 2249-6661.
- Presented a Paper in International conference on “Interfaith Studies : A Way to Peace and Harmony” Topic “Gandhian Philosophy and World Peace, organized by Faculty of Education, Social Sciences and Languages Desh Bhagat University, Mandi Gobindgarh, Punjab in Collaboration with Parama Dhamma Chethiya Maha Pirivena, Sri Lanka on December 10, 2021.
- Presented Paper online in National Webinar on “Role of Social Movement in present context” organized by Government P.G. College, Naraingarh (Ambala) on May 14, 2022
- Presented Paper online in National Webinar on “Child Labor and Human Rights” organized by Government College, Naraingarh (Ambala) on October 01, 2021
- Paper presented in National Seminar on the Topic, “Rashtriya Ekta Aur Akhandata ke Samksh Chunaityan”, at R.K.S.D. (PG) College, Kaithal on June 11-12, 2022.
- Online participation and presentation in International Webinar on “Voter day and Republic day celebration,” organized by Department of Sanskrit, Political Science, Hindi, Music, NSS Unit and Applied Sanskrit Shastra based Research center of GMN College Ambala Cantt., dated January 25, 2022.
- Acted as a Co-Coordinator in E-Workshop on “Role of Communication, Media and Technology in Youth Development,” organized by G.M.N. (P.G.) College in collaboration with OSCA dated July 10, 2021.
- Acted as a Member in “World Day of International Justice,” State Level online poster making competition by Department of Political Science, Public Administration and Legal Literacy Cell of G.M.N. (P.G.) College Ambala Cantt. in collaboration with Professor VIR Sen Vinay Malhotra Trust (Regd.) Ambala July 17, 2021.



- Acted as a Coordinator in online National Webinar on “Gandhi Chintan Evam Azadi Ke Vividh Aayam” organized by G.M.N. (P.G.) College in collaboration with OSCA and School of Studies, Political Science and Public Administration Vikram University, Ujjain (MP), on October 02, 2021.
- Participated in the 2 weeks online Refresher Course of Political Science and Public Administration organized by UGC Human Resource Development Centre Himachal Pradesh University, Shimla-171005 from December 13-25, 2021 and has obtained grade ‘A’.
- Online participated in National Webinar on, “Relevance of Marxism in contemporary Indian Society,” organized by G.M.N. (P.G.) College, Ambala Cantt. dated July 5, 2021.
- Participated online in International Webinar on, “Surge of Domestic Violence Cases During Covid Times and Its Impact on Children,” organized by Arya Girls College. Ambala Cantt on July 09, 2021.
- Participated online in National Webinar on “Indian Federalism: The Recent Trend,” organized by Department of Political Science Central University of Haryana, dated July 15, 2021.
- Department of Political Science and NCC Wing (Boys and Girls) of G.M.N. (P.G.) College, Ambala Cantt. in Collaboration with YARI (International Organization and Yoga Federation of Haryana Organized A Tree Plantation Drive in G.M.N. (P.G.) College and Holy Redeemer Church Ambala, on July 12, 2021.
- Participated online in International Webinar on “Indo-Pak relations” organized by Government Degree College, Pachmohani, Siddharthanagar, UP, India on September 27, 2021.
- Online participated in National Webinar on, “Modern Women: New Role, Challenges and Responsibilities,” organized by Organization for Social and Cultural Awareness (OSCA), dated March 8, 2022.
- Completed one week Faculty Development Programme organized by GMN College, Ambala Cantt. in Collaboration with IQAC Cluster, South India and sponsored by DGHE Haryana, from April 23-29, 2022.
- Acted as member in a program organized by the Department of Political Science on “Panchayati Raj Day” in collaboration with Public Administration Department on dated April 26, 22.
- Received a Voluntary Blood donate certificate presented by Blood Bank S.D.H. Ambala Cantt. on dated May 23, 2022 at Civil Hospital, Ambala Cantt.

### **Dr. Rajesh**

#### **Dept. of Mathematics**

- Participated in National one week Faculty Development Programme on “ICT Tools for Effective Teaching and Learning” organized by Kamla Nehru Mahavidyala, Nagpur, Maharashtra from May 23, 2022 to May 28, 2022.
- Participated in One week faculty development programme on “Academic Research Writing” organized by GMN College, Ambala Cantt. in collaboration with department of higher education, Haryana from April 23-29, 2022.
- Participated in FDP on “Recent Trends in Science and Technology” held from February 28, 2022 to March 02, 2022 by Guru Nanak Khalsa College, Yamuna Nagar (Haryana) in collaboration with DAV College, Karnal and BAR Janta College, Kaul (Haryana).

### **Dr. Tripti Sharma**

#### **Dept. of Political Science**

- Completed IMPRESS Research Project.
- Published an article “Revoking Article 35-A and 370: Economic Consequences and Implications for New Indian Policy”, in Jammu and Kashmir: Changing Dynamics, Weser Books, Germany, 2021.

- Published an article “ICT- Paving the gap between Educators and Learners: A Political Science Perspective”, in Role of Information and Communication Technology (ICT) during Covid-19, Amba International Publishers and Distributors, Ballabgarh, 2022.
- Paper Presented on “ICT- Paving the gap between Educators and Learners: A Political Science Perspective”, in International Conference Role of Information and Communication Technology (ICT) During Covid-19, Aggarwal College, Ballabgarh, January 29, 2022.
- National Seminar, Curriculum Enrichment Strategies, Sangameswar College, Solapur, Oct. 30, 2021.
- Participated in National Webinar on “Relevance of Postmodernism in 21<sup>st</sup> Century” organized by P.G. Department of Political Science and Public Administration, Sambalpur University, Jyoti Vihar on Sept 29, 2021.
- Participated in National Webinar on “Gandhi, Oceanic Circle and Participatory Democracy” organized by P.G. Department of Political Science and Public Administration, Sambalpur University, Jyoti Vihar on Oct. 02, 2021.
- Participated in NAAC sponsored Two Day online seminar on “NAAC Revised Accreditation Framework for Assessment and Accreditation of Teacher Education Institutes (TEI): Vision to Action” organized by Internal Quality Assurance Cell on October 04-05, 2021, Dev Samaj College of Education Sector-36/B, Chandigarh Affiliated to Panjab University, Chandigarh
- Participated in One week Faculty Development Programme on “Academic Writing for Research” from October 11-17, 2021 and obtained Grade A, Teaching Learning Centre, Ramanujan College University of Delhi In collaboration with M.O.P. Vaishnav College for Women (Autonomous) Chennai, Tamil Nadu under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching.
- Participated in Online one week Faculty Development Programme on “Teaching-Learning Methods: From Micro-Teaching to Peer Learning” from October 05-11, 2021 and obtained Grade A+, Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- Participated in Online Certificate Course Cum Workshop of 32 hours on “Open Source Tools For Research” organized by Sanatan Dharma College, Ambala Cantt from Oct. 21-30, 2021 and awarded with “A+” Grade.
- Participated in Faculty development program from November 18-24, 2021 on “Personal Finance and Tax Planning (An Interdisciplinary Approach)”, organized by Guru Angad Dev Teaching Learning Centre, a centre under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of Ministry of Education and Department of Business Economics, SGTB Khalsa College, University of Delhi.
- Participated in Online one week Faculty Development Programme on “Psychological Skills for Effective Teaching and Learning” from January 06-12, 2022 and obtained Grade A, organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- Online Certificate Course Cum Workshop of 10 days (32 hours) on “Mastering Excel: Tour from Beginners to Advance” organized by Department of Computer Science and Applications in Collaboration with Career Guidance Cell, Sanatan Dharma College, Ambala Cantt, Kurukshetra University, Kurukshetra from January 21-30, 2022 and awarded with A+ Grade.
- Attended “Three Day Workshop on Basic Statistical Data Analysis using SPSS” organized by A2Z Edu Learning Hub from November 05-07, 2021.
- Attended Online two - week Interdisciplinary Refresher Course on “Advanced Research Methodology” from August 20 – 03 September 03, 2021 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

- Attended Online two – week Refresher course in “Social Sciences and Humanities” from 12 - 26 July, 2021, Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

**Dr. Ritu Gupta**

**Dept. of Hindi**

- Completed Faculty Development Programme held during July 7-14, 2021 organized by Internal Quality Assurance Cell, Aggarwal College.
- Attended a Refresher course organized by Ramanujan College, Delhi from July 16-31, 2021.
- Presented a paper on “Kinnar Sabhyata, Sanskriti aur Sahitya” (Chintan aur Chunotiya) in Refresher programme from July 16-31, 2021.
- Presented a paper in National seminar on the topic “Hind Se Bahar Hindi” organized by P.G. Govt College Faridabad on August 26, 2022.
- Organized One day Extension Lecture on “Hindi ka Antar Rashtriya Vaibhav” on Sep 14, 2021.
- Published a paper in the edited book on the topic “Hindi Anusandhan aur Soochna Pradiyogiki Sambhwnnaye aur Seemaye” ISBN 978-81-954645-0-0.
- Participated in the online certificate course “Hindi Bhasa evam E -Siksha” organized under the joint aegis of Sanatan Dharma College Ambala Cantonment and ERDC from Jan. 23- Jan 31, 2022.
- Completed One Week Faculty Development Programme organized by G.M.N College, Ambala Cantt in Collaboration with IQAC Cluster, South India and Sponsored by D.G.H.E, Haryana from April 23-29, 2022.
- Research paper “Mulya Chetna aur Mahila Katha Sahitya” published in Gyan Vimarsha: An Inter-Disciplinary Research Journal vol 4, Issue 4, July 2021. ISSN: 2581-6845.

**Dr Rajinder Kumar**

**Dept. of Hindi**

- Kumar, R. (Eds.) (2022), Samkaleen Sahitya Mein Rashtriyata Sahitya Snachay: New Delhi. ISBN: 9789391602772.
- Kumar, R. (Eds.) (2022). “Karj Se Mukti Kahani Sangrah mein Vardh Vimarsh” in Hindi Sahitya: Vividh Aayam (Edited by Amit Singh). 9789384600678.
- Successfully completed Two Week Faculty Development Programme on “Sahitya, Rajneeti, Media aur Paryavaran: Samsamyik Sandarbh” from July 16-31, 2021 and obtained Grade 'A' from Teaching Learning Centre, Ramanujan College and Shyam Lal College, New Delhi under the PMMMNMTT.
- Successfully completed one week Faculty Development Programme on “Developing MOOCs: Concepts and Tools” from March 10-16, 2022 with Grade A+ from Teaching Learning Centre, Ramanujan College.
- Successfully completed one-week DGHE Sponsored Faculty Development Programme on “Academic Research Writing” organized by GMN College Ambala Cantt and IQAC Cluster South India.

**Dr Anish**

**Dept. of Hindi**

- Presented a paper in National seminar on the topic “Hindi ka vishav sandrabh” orgained by P.G. Govt college Faridabad on 26 August 2022.
- Presented a paper in National seminar on the topic “Yatayat Jagrukta Abhiyaan aur Sheyshnik Sansthanoo ka Utardayitav” organized by S.D college, Ambala cantt on March 5, 2022.

- Presented a paper in Two Day National seminar on the topic “Sarvbhom Ram” organized by Ramanujan college Delhi on March 28-29, 2022.
- Published an article in the Edited Book on the Topic “Hindi ki Antrastrkiye svikaryta” ISBN 978-81-954645-0-0
- Attended a Refresher Course Organized by Ramanujan College, Delhi, Nov 6-20, 2022.
- Acted as Resource person in a Webinar organized by Shri Durga Mahila Mahavidhyalay, Tohana on 31 July 2022.

**Dr. Anshu Chaudhary**

**Dept. of English**

- Research paper titled “Okonkwo is More Sinned Against than Sinning: Tragic Fall of Okonkwo in Chinua Achebe's Things Fall Apart” published in Gyan Vimarsha: An Inter-Disciplinary Research Journal. Vol.4, Issue 4, July 2021.
- Paper entitled “Swades: A Commentary on Progressive Rural India” presented in One Day National Webinar (Online) on “Re-Presenting the Rural: Literature, Cinema and Folklore” organized by the Department of English, C.R.M. Jat College, Hisar (Haryana) on November 13, 2021.
- Successfully completed a two-Week Online Refresher Course in English Studies “Re-Energizing Research: Interdisciplinary and Transcultural Approaches to Indian Literature” organized by Teaching Learning Centre, Department of English and IQAC Ramanujan College, Univ. of Delhi under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Scheme (PMMMNTT), Ministry of Education from 1 - 14 August, 2021. Awarded A+ Grade in the Course.
- Participated in One Week Online Faculty Development Programme on “Academic Research Writing” organized by Gandhi Memorial National College Ambala Cantt. in collaboration with IQAC Cluster, South India and sponsored by Department of Higher Education, Haryana from 23rd -29th April 2022.
- Attended a Workshop on “Synergy of NEP-2020 and NAAC Assessment and Accreditation for Quality and Value-Based Education” organized by Gandhi Memorial National College, Ambala Cantt. 14 June 14, 2022.
- Co-edited College Magazine, Gandhi Path.

**Dr. Neena**

**Dept. of English**

- Presented a paper titled “Feminine Responsiveness in Anita Nair's The Better Man” in One Day Online National Seminar on “Indian Writing in English: Contemporary Trends and Concerns” Organized by Department of English, Sanatan Dharma College, Ambala Cantt., in Collaboration with Directorate of Higher Education, Haryana, held on March 12, 2022
- Attended three days online orientation programme on “Combating Violence against Women and Girls for College/University Teachers” organized by The Regional Centre Mohali of the Institute, from Jan. 5-7, 2022.
- Completed Two-Week Refresher Course in English Studies “Re-Energizing Research: Interdisciplinary and Transcultural Approaches to Indian Literature” Organized by Teaching Learning Centre, Department of English and IQAC Ramanujan College, Univ. of Delhi under the aegis of Pandit Madan Mohan Malviya National Mission on Teachers & Teaching Scheme (PMMMNTT), Ministry of Education from Aug. 01-14, 2021.
- Attended five days International Workshop “Zero to Infinity: International Workshop on Career Awareness” organized by S. U. S. Govt. College, Matak Majri (Karnal) under aegis of DGHE, Haryana on January 18-22, 2022.



- Completed One week Faculty Development Programme on “Academic Research Writing” organized by Gandhi Memorial National College, Ambala Cantt in Collaboration with IQAC Cluster South India and sponsored by DGHE, Haryana from April 23-29, 2022.
- Member, Organizing Committee, One-day National Webinar on “English Language and Health Literacy: Need of the Hour” organized by Gandhi Memorial National College, Ambala Cantt. on January 29, 2022.

### **Dr. Jyoti Sorout**

#### **Department of English**

- Presented a Research Paper entitled “From Suppression to Emancipation: Zaitoon's Progression in The Pakistani Bride” in One day Online National Seminar on “Writings from the Marginalized: Nature and Scope” organized by Dept. of English, Government P.G. College, Naraingarh (Ambala) on July 14, 2021.
- Presented a Research Paper entitled “Display of Communication Skills in *The Merchant of Venice* with special reference to Portia and Shylock” in One day Online International Seminar (DGHE Approved) on “Communication Skills in Shakespeare” organized by Hindu Girls College, Jagadhri on March 04, 2022.
- Presented a Research Paper entitled “Quest for Homeland in Jhumpa Lahiri's *The Lowland*” in One day online National Seminar (DGHE Approved) on “Indian Writing in English: Contemporary Trends and Concerns” organized by Sanatan Dharma College, Ambala Cantt. on March 12, 2022.
- Delivered an Extension lecture as Resource Person on the topic “Effective Verbal and Non-Verbal Communication Skills during Interviews” on March 19, 2022 in a training programme on “Role of Communication Skills in Competitive Era” organized by Students' Counseling and Placement Cell in collaboration with Young Journalism Cell, CCSHAU, Hisar from March 17-30, 2022.
- Attended a National Webinar on “Current Studies in English Literature” organized by Saraswati Mahila Mahavidyalaya, Palwal on March 28, 2022.
- Participated in One Week Faculty Development Programme (Sponsored by DGHE Panchkula) on “Academic Research Writing” organized by Gandhi Memorial National College, Ambala Cantt. in association with South India IQAC Cluster held from April 23-29, 2022.
- Attended and obtained 'A+' grade in a Two-Week Online Refresher Course in English studies on the theme “Re-Energizing Research: Interdisciplinary and Transcultural Approaches to Indian Literature” organized by Teaching Learning Centre, Ramanujan College, University of Delhi from Aug. 01-14, 2021.
- Research Paper entitled “Deliverance from Marginalization through Resilience and Will-Power: A Woman's Struggle in *The Pakistani Bride*” published in an edited book with ISBN.
- Attended a Workshop on “Synergy of NEP-2020 and NAAC Assessment and Accreditation for Quality and Value-Based Education” organized by Gandhi Memorial National College, Ambala Cantt. on June 14, 2022.
- Edited College Magazine, *Gandhi Path* during the session 2021-22.

### **Mr. Shyam Raheja**

#### **Dept. of Computer Applications**

- Attended 7 days faculty development program on “Academic Research Writing” organized by IQAC in association with IQAC cluster sponsored by DGHE from April 23-29, 2022 .
- Participated in the two day online National Level workshop "Transformation through NAAC Accreditation Process for Higher Educational Institutions & Health Science Institutions" held from June 20-21, 2022 conducted by "Institute for Academic Excellence, Hyderabad" in collaboration with "Collegiate Education & Technical Education Department, Telangana State."





प्राध्यापक सम्पादिका

डॉ० राजेन्द्र

छात्रा सम्पादिका

तमन्ना

स्नातक (तृतीय वर्षम्)

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## सम्पादिकायाः लेखन्या

गाँधीपथस्य संस्कृतविभागः भवतम् हस्तेषु समर्पयन्तुलं मुदमहमावहे। संस्कृतत्वाद् दैवी वाग्वैदिकभाषा-आर्यभाषा एव संस्कृतभाषा कथ्यते। इयं हि भाषा व्यवस्थितक्रियाकारकविभागसंयुक्ता, व्याकरणादि सर्वदोष शून्या। अतः देववाणी, गीर्वाणवाणी-अमरभाषा-देवभाषा-सुरभारती चेत्यादिपदैः व्यर्वहियते। भाषागतमुदारत्वं, मार्दनं, मनोतत्त्वं चास्याः वैशिष्ट्यम्। अत एव इयं दिव्या, मधुरा, मुख्या च भाषासु मन्यते। तथा चोक्तमपि-



‘भाषासु मुख्या मधुरा दिव्या गीर्वाणभारती।’

विश्वस्य सर्वासु भाषासु संस्कृतभाषा एव अतिशेते। यतो हि अस्याः व्याकरणं सवर्वाङ्गपूर्णम् शब्दकोषोऽप्रतिमः लिपिश्च वैज्ञानिकी। तदियं संस्कृतभाषा सम्पन्ना, वैज्ञानिकी चास्ते। छात्राणां कृते अयं सन्देशः यत् संस्कृत भाषा अवश्यमेव पठनीया। येषां/यासां वा लेखाः प्रकाशिताः, तेषां/कृते अयं सन्देश यत् ते निराशीनः न स्युः।

डॉ० राजेन्द्र

संस्कृतविभागाध्यक्षा

## देशभक्ति

संसारे सर्वे जनाः सुखं सवोत्तमं मन्यन्ते, किन्तु तत्सुखं केवलं काल्पनिकं वर्तते । जन्मदात्री जननी अधथ च जन्मभूमिः अस्मभ्यं यानि सुखानि यच्छति तानि स्वर्गादपि गुरुरतराणि सन्ति । अतएव उक्तम्-

“जननी जन्मभूमिश्च स्वर्गादपि गरीयसी ।”

स्वस्य देशभक्ति कृते मनुष्याणां हृदये यः आदरस्य भावः भवति स एव देशभक्तिः कथ्यते । माता पुत्रं जनयति, महता कष्टेन तस्य पालनं करोति, मातुः अङ्के बालः स्वर्गादपि अधिकं सुखम् अनुभवति, अतः जननी स्वर्गादपि गरीयसी मन्यते किन्तु जन्मभूमिः, अस्माकं मातृभूमिः वर्तते । माता तु बालं प्रसूय द्वित्रीणि वर्षाणि यावद् दुग्धं पाययति, परञ्चमातृभूमिः यावज्जीवनं बालाय, यूने, वृद्धाय च नाना विधाविधानि खाद्यानि यच्छति, यानि वयं भक्षयामः शतेराणि च पोषयामः । किं बहुना, मातृभूमिः अस्माकं स्वान् अभिलाषान् साधयति । एतादृशी जननी जन्मभूमिः प्रति अस्माकमपि कर्तव्यम् पत् मातुः आज्ञापालने, वार्धक्ये च सेवया तां प्रसीदयामः ।

यदि कदाचित् शत्रुदेशः अस्माकं देशोपरि आक्रमणं कुर्यात् तदा वयं प्राण व्यये नापि तस्याः रक्षायै तत्पराः भवेम । अस्याः रक्षायै स्वजीवनस्यापि बलिदानं कुर्याम् ।

अभिषेक कुमार  
स्नातक (प्रथम वर्ष)

## पर्यावरणम्

इदम् तु विदितमेव यत् विश्वस्मिन् पर्यावरणस्य समस्या सर्वत्र सुरसेन विजृम्भिता वर्तते । वस्तुतस्तु पर्यावरणं न स्यात् तर्हि जगति लोकस्य स्थितिरेव दुष्प्राप्या स्यात् । अतः प्रकृत्या पर्यावरणस्य संरचना कृता । परितः आवृयते जीवः अनेनेति व्युत्पत्त्या इदं सिद्धयति यत् सांसारिकस्य जीवस्य संरक्षणाय स्वास्थ्यलाभाय च वर्तते किमपि महत्त्वं पर्यावरणस्य । ये खलु प्राणिना इह संसारे सन्ति जीवन्ति तेषां सर्वेषां कृते पर्यावरणस्य आवश्यकता प्रतिपदं भवतीति, कृत्वा पर्यावरणस्य संरक्षणं अत्यावश्यकं वर्तते । पृथ्वी-जल-तेज-वायुकाशदीनि तत्त्वानि जीवनाधायकानि पर्यावरण पदवाच्यानि च भवन्ति । एषां वस्तुनां संदूषिते सति सर्वे प्राणिनः संदूषिता भविष्यति । न हि केवलं इयं समस्या भारतवर्षे विद्यते अपितु सम्पूर्णे विश्वे इयं समस्या प्रवर्तमाना अवलोक्यते । अतः पर्यावरण संरक्षणमति अनिवार्यम् ।

ऋतु  
स्नातक (प्रथम वर्षम्)

## देशभक्ति

यस्मिन् देशे वयं  
जन्मधारण कुर्मः स हि  
अस्माकं देशः जन्मभूमिः  
वा भवति । जननी इव  
जन्मभूमिः पूज्या  
आदरणीया च भवति । अस्याः  
यशः सर्वेषां देशवासिनां  
यशः भवति । अस्याः गौरवेण  
एव देशवासिनां गौरवम्  
भवति । ये जनाः  
स्वाभ्युदयार्थं  
देशस्याहितं कुर्वन्ति  
ते अधमाः सन्ति ।  
देशभक्तिः सर्वासु  
भक्तिषु श्रेष्ठा कथ्यते ।  
अनया एव देशस्य  
स्वतंत्रतायाः रक्षा भवति ।  
अनया एव प्रेरिताः बहवः  
देशभक्ताः भगत सिंहः,  
चन्द्रशेखर आजादः  
प्रभृतयः आत्मोत्सर्गम्  
अकुर्वन् । झांसीज्वेरी  
लक्ष्मीबाई, राणा प्रताप  
मेवाड़केसरी, शिववीरः च  
प्रमुखाः देशभक्ताः  
अस्माकं देशे जाता ।

मनोजपालः

स्नातक (प्रथम वर्षम्)

## संस्कृत महत्त्वम् (गीतम्)

जयति जयति संस्कृत जनाति भाति सन्ततम् ।  
जनसहस्रत्रजीवकं जन्मपुण्यदायकम् ।  
सकलवेज्ञोभितं सर्वकार्यपूरितम् ।  
निखिलशास्त्रपोषकं नित्यनिर्मलं परम् ॥  
प्रायःयोगन्यायवैशेषिकादि' -बहुविधैः ।  
अति-गभीर-दर्शनैर्ग हनं तत्त्व गर्भितम् ॥  
कविपिकेन वर्णितैः समचन्द्रसुचरितैः ।  
लसित ललित सुन्दरादि काव्यरत्नसयुतम् ॥  
अतिविशाल भारते न्याये वेदपञ्चमे ।  
कपित चन्द्रवेशादीर्च गाथया च संकुलम् ॥  
चिरपुरातनं परं नित्यनूतनं - वरम् ।  
सकलवाणि जन्मदंसुजनप्रकीर्तितम् ॥

जस्विनि

बी.एस.सी. (द्वितीय वर्षम्)

## वेदोऽखिलो धर्ममूलम्

वेदशब्दः विद् ज्ञाने, विद् लाभे, विद् सत्तायाम्, विद्  
विचारणे इति चतुर्भ्यः व्युत्पन्नो भवति । इष्टप्राप्तये अनिष्ट  
परिहाराय च लौकिकमुपायं यो वेदयति सः वेदः इति । वेदाः  
एव धर्मस्य प्रतिपादकाः । वस्तुतस्तु सर्वेषां धर्माणां मूलं वेद  
एव- “वेदोऽखिलो धर्ममूलमिति ।” प्राचीनकालादेव अयं  
भारतवर्षः धर्मेण सदाचारे सर्वेषां वेदानाम् उद्गमभूमिः, यासां  
सदुपदेशपीयूषेण पाविता सर्वधर्माः । प्रवृत्तिनिवृत्तिलक्षणस्य  
द्विविधस्य धर्मस्य मन्त्रब्राह्मणात्मको वेद एव गायकः । सर्वेषां  
धर्माणामादिस्त्रोतः वेदः संसारं ज्ञानेन प्रकाशयति । वेदस्य  
ज्ञानाभावे संसारे अन्धकारस्यैव साम्राज्यं भविष्यति । अतः  
वेदोऽखिलो धर्ममूलम् इति कथनं सर्वथा समीचीनम् ।

शगुन

स्नातक द्वितीय वर्षम्



## मम मातृभूमिः

“जननी जन्म भूमिश्च स्वर्गादपि गरियसी”

मातृभूमि जन्मत्: आरभ्य मृत्युपर्यन्तम्

अस्माकं रक्षण पोषणं च कोति

माता भूमिः पुत्रोऽहं पृथिव्याः सर्वैः

नरैः वन्दनीया भवति ।

येन केन-प्रकारेण मातृभूमेः रक्षणं ! कारणीयम्

### प्रकृतिः

प्रकृतिः माता सर्वेषाम्

बहूनाम अपि फलानाम्

बहूनाम् अपि वृक्षणाम्

पुष्पाणाम् चापि मानेयम्

भ्रमराणां, पशूनां च ।

तमन्ना

स्नातक (तृतीय वर्षम्)

## गो महिमा

‘गावो विश्वस्य मातरः।’ धर्मदा अर्थदां मातरम् ।

कामयां मोक्षयां मातरम् वन्दे धेनु मातरम् ॥

‘न केवलं पयसा प्रसूतिम्

वे हि मां कान दुधां प्रसन्नाम् ।’

“गावः प्रतिष्ठा भूतानां गावः स्वस्वययनं महत् ।

गावो भूतं च भव्यं च गावः पुंसिः सनातनी ॥”

‘गां मा हिंसीः’

शिवानी

स्नातक (तृतीयवर्षम्)

## चिकित्साविज्ञानम्

साम्प्रतं प्रचलितं चिकित्सापद्धतिं मुख्यरूपेण विभागत्रये विभक्तुं शक्यते । औषधि चिकित्सा, शल्यचिकित्सा मनोवैज्ञानिक चिकित्सा च । एषां सर्वेषां चिकित्सा पद्धतीनां मूलोः प्रायेण वेदेषु मुख्यरूपेण अथर्ववेदे स्थले-स्थले दरीदृश्यते । तत्र मृच्चिकित्सा जलचिकित्सा अग्निचिकित्सा धर्मचिकित्सादीनां प्राकृतिक चिकित्सानामपि उल्लेखः प्राप्यते । ऋग्वेदस्यानुशीलेनैव नैव ज्ञायते यत्तस्मिन्काले चिकित्सापद्धतेः विकासं चरमसीम्नः आसीत् । औषधिचिकित्सायाः उदाहरणरूपेण अश्विनीकुमाराभ्यां च्यवनऋषेः वृद्धत्वमोक्षणस्योल्लेखं यत्र वैधौ अश्विनौ च्यवनं वृद्धत्वेन मुक्त्वा युवकं अकुरुताम् ।

शल्यचिकित्सायाः अप्युल्लेखं तत्रैव दृश्यते । मनोवैज्ञानिक चिकित्साविषये अथर्ववेदस्याभि चा मन्त्राः दर्शनीयाः ।

तरूण कुमार

स्नातक (प्रथम वर्षम्)

## विद्यार्थी जीवनम्

एतत् कथ्यते मनुष्यः यावज्जीवं विद्यार्थी अस्ति । सत्यं खलु इदं वचनम् । यदि मनुष्यः विद्याम् अर्जितुं तत्परः भवति तर्हि सः जीवने साफल्यं सुखं च प्राप्नोति । वस्तुतः प्रत्येक मनुष्य पञ्चविंशतिवर्षः पर्यन्तं विद्यार्जनं करोति ।

विद्यार्थीजीवनस्य प्रारंभः विद्यालयात् भवति । ततः विद्यालयात् शिक्षां प्राप्नोति । प्राचीन काले छात्राः गुरुकुलं गच्छन्ति स्म । तत्रैव ब्रह्मचर्यं पालयन् विद्याप्राप्तं कुर्वन्ति स्म । अधुना शिक्षानीतिः परिवर्तिता । अधुना कतिपयाः छात्राः प्राथमिकं शिक्षां गृह्णित्वा उच्चशिक्षार्थं परदेशगमनं कुर्वन्ति । विश्वविद्यालयेषु पठन् छायावासेषु वसन्ति । अधुना विद्यार्थिनां जीवनस्तर उच्चतरः अभवत् ।

विद्यार्थीजीवनं मानवजीवनस्य मुख्यः आधारः । विद्यार्थीजीवने यादृशी शिक्षां प्राप्यते, यान् संस्कारान् लभते, तेषाम् उपयोगः समस्त जीवने भवति । अतः विद्यार्थिनः प्रथमं कर्तव्यं यत् विद्यापठने कदापि आलस्यं न कुर्युः । विद्यार्थी जीवनं सदा अनुशासनपूर्णं भवेत् । यदि छात्रः अनुशासितः भवति, तदा तस्मै किमपि दुष्करं न भवति ।

छात्रेण सदैव प्रातः सूर्योदयात् पूर्वं उत्तिष्ठानम् । प्रातः काले कृतं स्मरणं चिरकालं तिष्ठति । छात्रस्य पठने रूचिः स्वाभाविकी भवेत् । यदि प्रसन्नमनसः पठति, तर्हि परीक्षायां श्रेष्ठान् अङ्कान् आप्नोति । विद्यार्थीजीवने पठनेन सह क्रीडनमपि आवश्यकम् । शुद्धवातावरणे क्रीडनेन शरीरं स्वस्थं भवति तथा मनः अपि पठने एकाग्रं भवति ।

यदि विद्यार्थी दिनचर्यानुसारं स्वकार्यं समये करोति, तर्हि सः जीवने साफल्यं प्राप्नोति । विद्यार्थिनः देशस्य भावी नागरिकाः सन्ति । आदर्शः छात्रः देशस्य आदर्शः नागरिकः खलु ।

संदीप कौर

स्नातक (प्रथम वर्षम्)

## विश्वस्य नेत्रं संस्कृत-भाषा

विश्वस्य आदिभाषा संस्कृतभाषा न केवलं मनसः भाषाभिव्यक्तं ये अन्यासां भाषणमिव भाषापदवाच्या । अधिकन्तु विश्वहितैषिणी विबुधतोषिणी एषा संस्कृतमन्दाकिनी स्वस्याः परमपूतसुधाधारया अनादिकालात् परिवारयति अखिलसंसारम् । अतः यथार्थेन उक्तमिति एषा संस्कृतभाषा विश्वस्य नेत्रं अस्ति । यथा नेत्रस्य उन्मोचनेन सुदिगन्तविस्तृता पृथिवी परिदृश्यते । अपरं च मुक्तः वायुः गृहाभ्यन्तरं प्रविश्य पवित्रीकरोति तथैव संस्कृतभाषायाः सेवनेन विश्वं यथा सादृश्यं भवति तथैवापि विश्वं पवित्री भूयते अनया भाषया । एतदर्थं प्राचीनकालादाराम्य महर्षयः विद्वांसः संस्कृतभाषाया- विभिन्मैः विभागैः परितोषयन्ति संसारम् ।

रिया

स्नातक (द्वितीय वर्षम्)

## पर्वतराजः हिमालयः

हिमालयः अस्माकं भारतमातुः गर्वोन्नतं मस्तकम् इति शोभते । पर्वतराजः अस्माकं देशस्य उत्तरदिशायां स्थितोऽस्ति । अत्र सम्पूर्णं हिमं भवति । अतः अयं हिमालयः कथ्यते । हिमालयस्य क्रोडे काश्मीरः, हिमाचलप्रदेशः, उत्तराखण्डं, मेघालयः, मणिपूरं, असमः आदयः भारतस्य प्रान्तानि सन्ति । नेपालः भूटानः च प्रतिवेशिनौ देशौ स्तः ।

भारतस्य पवित्राः नद्यः हिमालयात् प्रादुर्भवन्ति । हिमालये हिमं भवति ततः जलरूपेण नदीषु आगच्छति । जलेन बिना जीवनं न सम्भवति । हिमालयात् खनिजानि औषधयः च जलेन सह प्रवहन्ति । अतः नदीनां जलं लाभदायकं भवति ।

हिमालयः भारतस्य प्राकृतिकप्रतिहारिरूपे अस्ति । हिमालयस्य कंदरासु बहवः ऋषयः मुनयः च तपस्यां कुर्वन्ति । हिमालये ऋषीणां मुनिनां च आश्रमाः अस्यैव पर्वतराजस्य कैलाशिखरे सन्ति । हिमालये अस्माकं अनेकानि धार्मिकानि स्थलानि तीर्थानि च सन्ति । अमरनाथः, केदारनाथः, बद्रीनाथः इत्यादीनि तीर्थानि हिमालये सन्ति ।

हिमालयक्षेत्रे जलबन्धेभ्यः विद्युत्स्य उत्पादनं भवति । अस्माकं देशः पर्यटकेभ्यः विदेशीमुद्रा अपि अर्जयति । महाकविः कालिदास अपि हिमालयस्य प्रशंसायां कथयति

“अस्त्युत्तरस्यां दिशि देवातात्मा हिमालयो नाम नगाधिराजः”

दीपा

स्नातक (तृतीय वर्षम्)

## सर्वेभ्यः शिक्षाकेभ्यः शिक्षाकेभ्यः च समर्पितम्

किम् अस्ति तत् पदम्

यः लभते ही सम्मानम्

किम् अस्ति तत् पदम्

यः करोति देशानाम् निर्माणम्

किम् अस्ति तत् पदम्

यम् कुर्वन्ति सर्वे प्रणामम्

यस्य छायायाः प्राप्नोति ज्ञानम्

किम् अस्ति तत् पदम्

यः रचयति चरित्रं जनानाम्

गुरुः अस्ति अस्य पदस्य नाम

सर्वेषाम् गुरुणाम् मम शतं शतं प्रणामम् ।

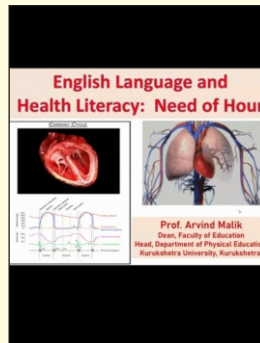
आशा

स्नातक (तृतीय वर्षम्)

# Departmental Activities

## DEPARTMENT OF ENGLISH

- Ms. Avni, a student of B.A. (Hons.) English, won National level Podcast Competition organized by R.K.S.D. (P.G.) College, Kaithal on July 20, 2021.
- Celebrated “World Senior Citizen's Day” in collaboration with NSS Units at Apna Ghar on Aug. 14, 2021.
- Organized a Rally in collaboration with NSS on the occasion of National Unity Day on Oct. 30, 2021.
- Organized a National webinar on “English Language and Health Literacy: Need of the Hour” in collaboration with the Dept. of Physical Education on Jan. 29, 2022.
- Celebrated Safe Motherhood Day at Anganwadi Centre, Ambala Cantt. on April 11, 2022.
- Students of M.A. (Eng.) Sem. II



organized a Farewell party for the outgoing students of M.A. Sem IV on June 18, 2022.

- University Positions:
  - ✓ Harshita – 6<sup>th</sup> in KUK in B.A. (Hons.) English (Sem. V)
  - ✓ Palmeet Kaur – 8<sup>th</sup> in KUK in M.A. English (Sem. I)

## DEPARTMENT OF HINDI

- Organized Nukkad Natak collaboration with Rashtra Bhasa Vichar Manch (MOU) on July 17, 2021.
- Organized various campaigns for Practical Use of Hindi :-
- Propagated Hindi through posters on Sept. 04, 2021.
- Hindi Varnamala distribution campaign on Sep 07, 2021.
- Expert Lectures by Dr. Shashi Dhamija on 'Hindi ka Antarrashtriya Vaibhav' on Sep 14, 2021.



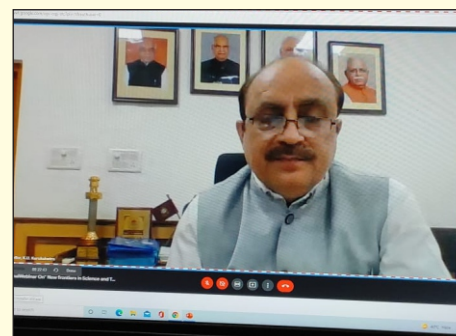


- Kavya Path competition organised in collaboration with Rotary Club Ambala on Sep. 15, 2021.
- Organized Extension Lecture on “Vaishvik Chunotiyan aur Hindi” on Jan. 10, 2022.
- Organized All India Trilingual Kavi Sammelan and Mushaira in collaboration with Principal Lal Sharma Memorial Charitable Trust and the Poetry Junction, Saharanpur, Saanjh on June 5, 2022.
- Organized 'Beti Bachao, Beti Padhao campaign' in collaboration with N.S.S and Department of History on June 8, 2022.
- Organized Educational Trip for Kasauli Hills on June 9, 2022.



### DEPARTMENT OF CHEMISTRY

- Department of Chemistry under MoU with Gupta Scientific Industries, Ambala Cantt. organised Online Industrial Training Programme for science students on July 10, 2021.
- Department of Chemistry, Physics, Computer Science & Electronics organised a National Webinar on “Technological Advancements in Science” on Jan. 07, 2022.



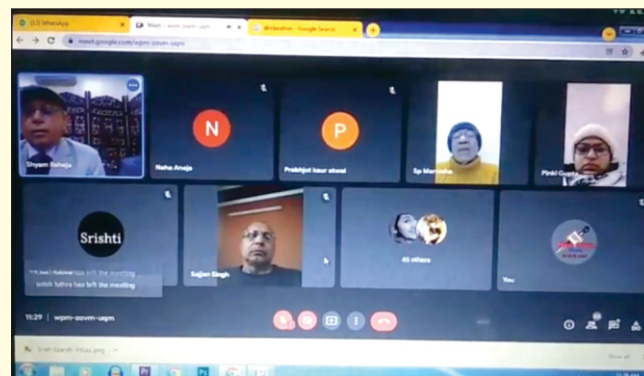
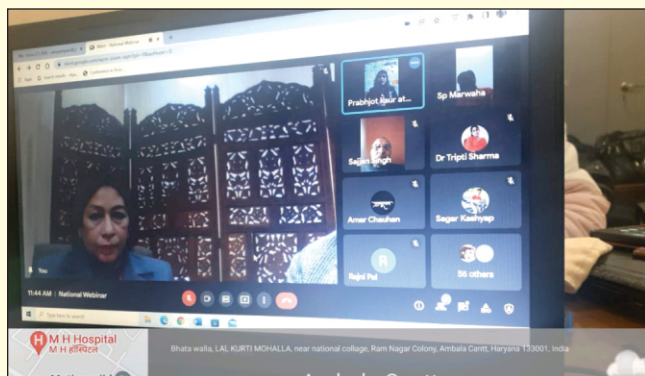
### DEPARTMENT OF PHYSICS

- Department of Physics in collaboration with Departments of Chemistry, Computer Science and Electronics organised a National Webinar on “Technological Advancements in Science” on Jan. 07, 2022.
- Three students of the B.Sc. (N.M.), Khushi, Rahul and Manish won Silver medal in State level Science Quiz organized by at M.N. College, Shahbad on June 07, 2022.



### DEPARTMENT OF COMPUTER SCIENCE

- Organized one day National Webinar on “Technological Advancements in Science” on Jan. 07, 2022.
- Organized one day International Webinar in collaboration with Department of Sanskrit on the occasion of Makar Sankranti on Jan. 14, 2022.





## DEPARTMENT OF MATHEMATICS

- Organized Tree plantation and a Rally on National Mathematics Day to commemorate the Birth Anniversary of Mathematician Srinivasan Ramanujan in collaboration with NCC Unit (Girls Wing) on Dec. 22, 2021.



## DEPARTMENT OF POLITICAL SCIENCE

- Organized AIDS awareness Rally in collaboration with Department of Mass Communication, Youth Red Cross on Dec. 01, 2021.
- Celebrated Constitution Day on Nov. 26, 2021 with NSS unit of the college.
- Department of Political Science and NCC in collaboration under MOU with YARI - a Non-profit organization organised a tree plantation drive on July 12, 2021 in which students from NCC and department of political science very actively participated.
- Organized State level poster making competition on July 17, 2021.
- Organized the “Panchayati Raj” celebration on April 26, 2022 to commemorate the decentralization of power bodies at village level.
- Organized Felicitation Function for University Position Holder students of M.A. Pol. Sc. Sem. I and III.
- University Positions in M.A. 3rd Semester 2022:**
  - ✓ Radhika- 2<sup>nd</sup> in KUK (472/500)
  - ✓ Satnam- 7<sup>th</sup> in KUK (454/500)
  - ✓ Rajni- 8<sup>th</sup> in KUK (447/500)
  - ✓ Priyanka- 9<sup>th</sup> in KUK (446/500)
- University Positions in M.A. 1st Semester 2022:**
  - ✓ Diksha Anand – 2<sup>nd</sup> in KUK (458/500).
  - ✓ Gurpreet Kaur – 3<sup>rd</sup> in KUK (437/500).
  - ✓ Surbhi- 4<sup>th</sup> in KUK (432/500)
  - ✓ Lovejeet Kaur- 5<sup>th</sup> in KUK (429/500)
  - ✓ Parteek – 7<sup>th</sup> in KUK (427/500)
  - ✓ Riya Gambhir- 9<sup>th</sup> in KUK (420/500)



## DEPARTMENTS OF BOTANY AND ZOOLOGY

- Celebrated International Disaster Day on Oct. 13, 2021.
- Organized Blood Donation Camp on Dec. 27, 2021.



- Organized one day National Webinar, “Integrated Approach in Science & Technology for Sustainable Future” on Feb. 11, 2022 in collaboration with Indian Science Congress Association, Rohtak Chapter.
- Organized one day National Webinar, “Water Resource Management in Hard Rock Terrain” on March 22, 2022 in collaboration with Indian Science Congress Association, Rohtak Chapter.
- Organized online Inter-College State Level Poster Making Competition on the theme, “Integrated Approach in Science & Technology for Sustainable Future” on Feb. 08, 2022 in collaboration with Indian Science Congress Association, Rohtak Chapter.

### **DEPARTMENT OF COMPUTER APPLICATIONS**

- Department of Computer Applications in collaboration with IQAC and OSCA organised one day National webinar on "Single Girl Child Day" on Feb. 17, 2022.
- Organised one day Industrial Visit to Grezitte company at Chandigarh with more than 00 students of BCA.
- Saloni of BCA Sem. III and Yatin of BCA Sem. VIII secured third and fourth positions respectively in Kurukshetra University, Kurukshetra.

### **DEPARTMENT OF PSYCHOLOGY**

- Organized National Webinar on “Positive Youth Development: Way out to Pandemic” on June 29, 2021.
- Organized Slogan Writing Contest on “World Population Day” on July 11, 2021.
- Organized Poster making and Slogan writing competition on “Drug/Substance Abuse” on Dec. 10, 2021.
- Organized National Webinar on “Positive Mental Health: Need of the Hour to face Pandemic” on Jan. 15, 2022.
- Organized Rally on Schizophrenia Awareness on May 23, 2022.

### **DEPARTMENT OF HISTORY**

- Organized an Online Group Discussion on the topic “Life and Vision of Swami Vivekananda” in collaboration with Department of Hindi and NSS Units of the college on Jan. 12, 2022.
- Organized an Awareness rally on “Beti Bachao, Beti Padhao” in the college premises by, in collaboration with Hindi Sahitya Parishad, Department of Hindi, NSS Units, on June 08, 2022.
- Organized a one-day educational/Historical visit on June 17, 2022.



## DEPARTMENT OF SOCIOLOGY

- Celebrated 'Human Rights Day' Dec. 11, 2021.
- Celebrated 'National Girl Child Day' on Jan. 24, 2022 in collaboration with Dept. of Computer Applications. Dr. Prabhjot Kaur, State Project Coordinator, Chandigarh was the Resource person.

## DEPARTMENTS OF MUSIC (V) AND MUSIC (I)

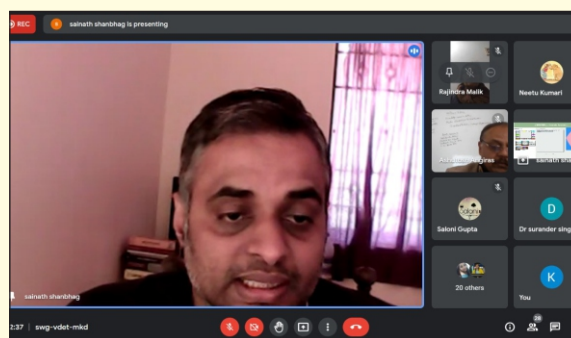
- Celebrated “International Dance Day” on April 29, 2022.
- Prepared students for participation in Zonal and Inter-Zonal Youth Festival.

## DEPARTMENT OF MANAGEMENT

- Organized Orientation Programme held on Nov. 09, 2021.
- Organized Quizomania on Dec. 02, 2021.
- Organized National Webinar on “Entrepreneurial Skills” on Jan. 15, 2022.
- Held Group Discussion on Feb. 17, 2022.
- Held Mock Drill – Retail Lab on April 28-30, 2022.
- Students of BBA II organized Farewell for BBA III on June 13, 2022.

## DEPARTMENT OF SANSKRIT

- Dev Vani Parishad in collaboration with Sanskrit Akademi, Haryana and Idrish Foundation (N.G.O) celebrated Sanskrit Divas on Aug. 23, 2021.
- Organized an Online Shlokachcharan Competition in Sept. 2021.
- Organized three interdisciplinary webinars in collaboration with other departments of the college
- Organized Training on Computational Sanskrit and Linguistics from June 25 to July 09, 2021
- The department organized several webinars and other activities in collaboration with various colleges like S.D. College, Ambala Cantt., Arya Girls College, Ambala Cantt. and R.K.S.D. College, Kaithal.



## DEPARTMENT OF ECONOMICS

- Department of Economics in collaboration with Department of Management organized a National Webinar on “Economics: A Vision and Philosophy of Life” on July 07, 2021.



- Department of Economics and Department of Psychology in MoU with Seva Trust, UK (India)



organized an Online State Level Slogan Writing Contest on the occasion of 'World Population Day' on July 11, 2021.

## DEPARTMENT OF COMMERCE

- Formed Commerce Association on Dec. 10, 2021.
- Organized a One-day National Webinar on 'Entrepreneurial skills' on Jan. 15, 2022.
- Organized an Online Debate Competition on “Online Learning - 21st Century Approach to Education” on Jan. 17, 2022.
- Organized a Power Point Presentation Competition on “Business Model of FMCG Companies” on Feb. 18, 2022.
- Organized a Poster Making Competition on the topic “Digital Marketing” on Feb. 17, 2022.
- Organized a two minute Video Competition on the topic “Go Green” on Feb. 17, 2022.
- Organized a One day National Webinar on “Professional Ethics” on Feb. 25, 2022.
- Organized a Faculty Development Programme through ICT Based Teaching Programme in March 2022.
- Organized an Extension lecture on “Best Out of Waste” on May 09, 2022.
- Organized a Model Making Competition on the related topics of commerce on May 13, 2022.

## DEPARTMENT OF MASS COMMUNICATION

- Organized an Online E-Workshop on the topic “Role of Communication, Media and Technology in Youth Development” in collaboration with OSCA on July 10, 2021.
- Organized an Extension lecture on “Role of Media in Re-building the Post-COVID Economy” in collaboration with Department of Economics on Feb. 21, 2022.

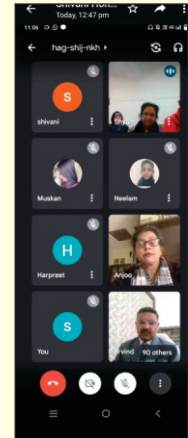




- Celebrated, “World Health Day” in collaboration with YRC and OSCA, on April 12, 2022.
- Organized an outreach activity, Nukkad Natak on the topic, “Good Touch Bad Touch” in collaboration with Red Ribbon Club, YRC and OSCA, at S.D. School Ambala Cantt on May 04, 2022.

## DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

- Organized a National Webinar on “Physical Literacy: Need for Modern society” on July 09, 2021.
- Organized a Health Programme on “Fitness Ki Dose, Aadha Ghanta Roz” on Aug. 13, 2021.
- Organized a National webinar on “English Language and Health Literacy: Need of the Hour” in collaboration with the Dept. of Physical Education on Jan. 29, 2022.



## PLACEMENT CELL

**Convenor – Dr.Rajindera**

- Placement Cell organized a canopy programme with industry for the guidance of students. 30 students were placed for internship. 15 students were placed in various companies.
- An educational linkage was done with Stiffen Technologies Pvt. Ltd.
- 15 students were placed in Flying Colors Ltd.
- Students were sent for internship through Internshal University
- A webinar of Placement Cell was organized with Stiffen Technologies Pvt. Ltd. On July 10, 2021. Keynote Speaker, Ms. Deeksha Nagpal of Stiffens Technologies explained in detail various fields of career. She elaborated through her power point presentation, the scope of career opportunities in every sphere of education. Ms. Heena discussed the challenges before the students while choosing their career. In the question-answer session, the resource persons answered the queries of students. Dr.Rajindera presented vote of thanks in the webinar.



## CULTURAL COMMITTEE

Convenor – Dr. Krishan Kumar Poonia

- Participated in Zonal Youth Festival at MDSD Girls College, Ambala City.
- The college won First Prize and Recommendation in Classical Vocal (Solo), Classical Instrumental (Solo), Folk Song General (Solo), One Act Play and Mimicry.
- The college got First Commendation in Light Vocal (Solo), Haryanavi Group Song, Mime, Saang and Quiz.
- The items of Sanskrit Drama and Western Group Song got Second Commendation.
- The college created history by winning Overall Theatre Trophy.





## INTERNAL QUALITY ASSURANCE CELL (IQAC)

**Co-ordinator- Mrs. Rachna Khanna**

- Organized an online National Seminar on the topic “Professional Ethics” on Feb. 22, 2022.
- Organized one week Faculty Development Programme on “Academic Writing in Research” in collaboration with IQAC Cluster, South India, sponsored by D.G.H.E. Haryana from April 23-29, 2022.
- Organized one day Workshop on “Synergy of NEP-2020 and NAAC Assessment and Accreditation and Value Based Education” on June 15, 2022.



## RED RIBBON CLUB

**Co-ordinator: Dr. Rakesh Kumar**

- Rotract Club of G.M.N. (PG) College, Ambala Cantt organised Installation Ceremony by Rotary Club Ambala in Industrial Area on Oct. 25, 2021.
- Swachh Bharat Mission and Harit Haryana Abhiyan organized a Sanitation Drive and Tree Plantation Drive in collaboration with Youth Red Cross Society in college Campus on Nov.30, 2021.
- Red Ribbon Club organized AIDS Awareness Rally in collaboration with Youth Red Cross Society and Department of Political Science on Dec. 01, 2021.
- Youth Red Cross Society organized a workshop on “Nation Building and Youth” in collaboration with RRC and Road Safety Club on Dec. 06, 2021.
- Youth Red Cross Society celebrated, “World Health Day” in collaboration with Red Ribbon Club, Department of Mass Communication and Video Production and OSCA, on April 12, 2022.
- Youth Red Cross Society of GMN (PG) College Ambala Cantt. organized an outreach activity, Nukkad Natak on the topic, “Good Touch Bad Touch” in collaboration with Red Ribbon Club, Mass Communication and OSCA, at S.D. School Ambala Cantt on May 04, 2022.
- Swachh Bharat Mission Cell organized a special Swachhta Camp in the College Campus in



collaboration with Youth Red Cross, Red Ribbon Club and NSS Units of the college on May 15, 2022

- Harti Haryana Abhiyan Cell of the college organized an Oath Taking Ceremony on “Go Grass Sankalp” in collaboration with Dainik Jagran on May 21, 2022.
- Youth Red Cross Society organized, “Beti Bachao Beti Padhao” in collaboration with Department of Hindi, Red Ribbon Club and NSS units of the college on June 8, 2022.

## **NCC (Boys)**

**In-charge-Capt. S.S. Nain, A.N.O.**

**Cadets Enrolled:** 53 (Ist year - 14, IInd year - 22, IIIrd year - 17)

- 20 Cadets attended Annual Training Camp held at Panchkula for 'B' Certificate from Oct. 26-30, 2021.
- 17 cadets attended ATC held at S.D. College, Ambala Cantt. for 'C' Certificate from Oct. 26-Nov. 01, 2021.
- 07 Cadets donated blood in the Blood Donation Camp on Dec. 27, 2021.
- 19 Cadets appeared in 'B' Certificate Exam 2022.
- 17 Cadets appeared in 'C' Certificate Exam 2022.
- Organized two SwachhtaAbhiyans was on Sept. 30, 2021 and June 10, 2022.
- Celebrated World Bicycle Day on June 13, 2022.
- Organized Digital Transaction Campaign at Village Ugara on June 20, 2022.
- Celebrated International Yoga Day on June 21, 2022 in the college campus.



## **NCC (Girls)**

**In-charge-Ms. Sujata Goyal**

- Organized Tree Plantation Drive and Rally on the occasion of National Mathematics Day on Dec 22,2021 in collaboration with Department of Mathematics.
- Organized Career Counselling lecture on “Entry into Indian Air Force” on Feb 17,2022 by Group Capt. Joginder Maini, Senior Education Officer, Airforce station Ambala.
- Organized Swachhta Abhiyan activity on Jun 10,2022.
- Cadet Rabnoor participated in Republic Day Parade 2022, New Delhi.





## NATIONAL SERVICE SCHEME (NSS)

**Programme Officers: Dr. Saroj Bala, Dr. Dharamveer Saini and Dr. Anish**

- Organized a Nukkad Natak on the theme “Environmental Issues” in the adopted villages, Ugara and Nanhera on July 17, 2021
- Organized a Tree Plantation Drive in collaboration with Prayaas Society, Ambala Cantt. on Aug. 28, 2021
- Celebrated Teachers' Day to commemorate the Birth anniversary of Sarvepalli Dr Radhakrishnan on Sept. 07, 2021
- Organized a One Day Special Camp on Dec. 10, 2021 on theme “Cleanliness”
- Organized Online Group Discussion on the Vision of Swami Vivekananda on Jan. 12, 2022
- Organized Seven Days Special Camp from Feb. 14-20, 2022.
- Organized a Special Camp in the College premises on April 02, 2022
- Organized a Special Camp in the College premises on May 20, 2022
- Celebrated World Bicycle Day in collaboration with NCC, YRC, and Red Ribbon Club on June 03, 2022
- Celebrated World Environment Day in the collaboration with Eco club on June 05, 2022
- Organized 'Beti Bachao Beti Padhao' rally in the collaboration with Departments of Hindi and History on June 08, 2022
- Organized an Educational Trip to Kasauli in collaboration with Department of Hindi on June 09, 2022.



## **IMPORTANT DAYS CELEBRATION COMMITTEE**

### **Convenors – Dr. Neena & Dr. Rakesh Kumar**

- Departments of Psychology and Management celebrated 'World Population Day' on July 11, 2021.
- NCC cadets celebrated 'Kargil Day' on July 26, 2021.
- Celebrated Teej Festival in college campus on Aug. 07, 2021.
- Department of English celebrated World Senior Citizen's Day in collaboration with N.S.S. units of the college on 14.08.2021 at G.M.N. College, Ambala Cantt.
- Students of the college celebrated 'Teacher's Day' on Sept. 05, 2021.
- Departments of Botany and Zoology celebrated 'International Day for Disaster Risk Reduction' on Oct. 13, 2021.
- Department of Sociology celebrated 'World Human Right's Day' on Dec. 10, 2021.
- NSS Units celebrated 'National Girl Child Day' by organizing a programme, "Selfie with Daughter" on Jan. 24, 2022.
- The college celebrated 'Republic Day' on Jan. 26, 2022.
- Harit Haryana Cell celebrated 'Harit Diwas' on Feb. 07, 2022 in the college campus.
- The college celebrated 'Smriti Diwas' in memory of its alumnus, Vir Chakra Awardee, Late Captain Jintu Gogoi on Feb. 17, 2022.
- Legal Literacy Cell celebrated 'World Day of Social Justice' on Feb. 21, 2022.
- Women Cell organized Nukkad Natak on 'Gender Equality' on Feb. 23, 2022.
- N.C.C. Cadets celebrated 'World Civil Defense Day' on Feb. 28, 2022 at G.M.N. College, Ambala Cantt.
- N.S.S. Units of the college organized an Oath Taking Ceremony on the occasion of 'No Smoking Day' on March 10, 2022.
- Department of English celebrated 'National Safe Motherhood Day' on April 11, 2022.
- Youth Red Cross, Red Ribbon Club and Department of Mass Communication celebrated 'World Health Day' on April 12, 2022.
- Department of Political Science celebrated 'Panchayati Raj Day' on April 26, 2022.
- Department of Music celebrated 'World Dance Day' on April 29, 2022.



## WOMEN CELL

**In-Charge- Dr. Seema Kansal**

- Celebrated Teej festival on Aug. 07, 2021 with the faculty members of the college.
- Organized Mehendi competition on the occasion of Karva Chauth on Oct. 24, 2021. On this occasion, the students showed their creativity by applying henna in the hands of the teachers.
- Organized a Food Fest on December 11, 2021 in the college auditorium. 60 students displayed the food items prepared by them on 25 food stalls. The main objective of the event was to develop an important life-skill among students. The slogan of the event was “You Make, You Serve and You Earn.”
- Organized a Nukkad Natak on 'Condition of Women in Society in India' on Feb. 23, 2022.
- Organized a workshop on Personal Hygiene on April 09, 2022.
- Women Cell in collaboration with NIINE Foundation, New Delhi organized a programme for distribution of material/products for personal hygiene on June 09, 2022. More than 100 persons including female staff and girl students received the products for personal hygiene.



## LEGAL LITERACY CELL

**In-charge- Dr. Surender Kumar**

- Organized an Online Poster Making Competition in collaboration with Dept. of Political Science, Dept. of Public Administration and Prof. Veersen Vinay Malhotra Trust on July 17, 2021.
- Organized an Awareness Rally on “Female Foeticide” on Dec. 28, 2021.
- Celebrated 'World Day of Social Justice' on Feb. 21, 2022.
- Organized an Extension Lecture to celebrate 'World Day of International Justice' on Feb. 22, 2022.



## ACT OF PHILANTHROPY

### **Blood Donation Camp**

Blood Donation Camp was organized in the college premises under the joint aegis of NSS, Youth Red Cross, Dispensary, Eco Club and "Prayas Sanstha" on Dec. 27, 2021. The camp was organized in the memory of CDS Bipin Rawat and his team of brave soldiers who got martyred in a helicopter crash. Principal, Dr. Rajpal Singh welcomed the Chief Guest, Mr. Jaswant Rai Jain ji, President, GMN College Trust and thanked all the volunteers who had gathered there for the noble cause. He specially



thanked Dr. Jogender and his team of doctors from Civil Hospital, Ambala Cantt. for their support and cooperation in organizing the camp. He inspired the people by giving example of retired faculty member of the college, Dr. Maniram who had donated blood several times. He said that every unit of blood donated can save four lives at the same time. A total of 76 units of blood were collected in the camp.

### **College Magazine, Gandhi Path**

The college publishes its annual magazine, Gandhi Path which provides a wonderful platform to all such enthusiastic writers who wish to showcase their talents by expressing themselves through their interesting and creative articles.

### **Students' Council**

The college has formed a Students' Council comprising of the achievers of curricular and co-curricular fields so that they could develop a sense of responsible citizenship and active community leadership.

### **Alumni Association**

Alumni are important stakeholders of an institution. The college has a registered Alumni Association which provides a forum for bringing together the old students of the college so that they can provide their expertise in the form of suggestions, financial support and other such benefits to the present students of their alma mater.

## SPORTS

In-Charge- Mr. Brijesh Kumar

### Artistic Gymnastic (Women)

Our college got 1<sup>st</sup> position in Inter-College Artistic Gymnastic (Women) held at Kurukshetra University Kurukshetra from 05.03.2022 to 06.03.2022.

#### Ms. Kritika, B.A.-I

- Got 1st position team.
- Got 3rd position on Vaulting Table
- Got 3rd position on Balancing Beam

#### Ms. Sunita Shahi, B.A-II

- Got 1st position team.
- Got 3rd position on Floor Exercise
- Got 3rd position on Uneven Parallel Bar

#### Ms. Simran, B.A.-II

- Got 1st position.

#### Ms. Nancy, B.A.-II

- Got 1st position team.

#### Ms. Komal Chayal, B.A.-I

- Got 1st position team.

#### Ms. Nidhi, B.A.-I

- Got 1st position team.



### Rhythmic Gymnastics (Women)

Our college got 1<sup>st</sup> position in Inter-College Rhythmic Gymnastic (Women) held at Kurukshetra University Kurukshetra from 05.03.2022 to 06.03.2022.

#### Ms. Richa Proch, BBA-II

- All Round 2nd Best Gymnast
- Got 1st position team.
- Got 1st position in Ball event
- Got 2nd position in Ribbon event
- Got 3rd position in Hoop event
- Got 3rd position in Club event

#### Ms. Priyanka, B.A.-III

- Got 1st position team.

#### Ms. Megha, M.A.-II

- Got 1st position team.

#### Ms. Heena, B.A.-II

- Got 1st position team.





## **FENCING**

Our college got IIIrd position in Inter-College Fencing (Men) in Foil event held at Kurukshetra University Kurukshetra on 30.12.2021.

### **TEAM MEMBERS**

1. Mr. Chirag, B.Com-III,
2. Mr. Tarun, B.A.-II
3. Mr. Mandeep, B.A.-I
4. Mr. Mayank, BBA

Our college got IIIrd position in Inter-College Fencing (Men) in Epee event held at Kurukshetra University Kurukshetra on 30.12.2021.

### **TEAM MEMBERS**

1. Mr. Chirag, B.Com-III
2. Mr. Tarun, B.A.-II
3. Mr. Shubham, B.A.-II
4. Mr. Mohammad Adnan, B.Com-II Hons.

## **BOXING**

### **Mr. Amit, B.A.-I**

- Got 1<sup>st</sup> position in Intercollege Boxing (Men) held at Kurukshetra University Kurukshetra from 01.12.2021 to 03.12.2021 (Weight Cat. 67-71 KG).

### **Mr. Sagar Chand, B.A.-I**

- Got 2<sup>nd</sup> position in Intercollege Boxing (Men) held at Kurukshetra University Kurukshetra from 01.12.2021 to 03.12.2021 (Weight Cat. 54-57 KG).

### **Ms. Nidhi, B.A.-I**

- Got 3<sup>rd</sup> position in Intercollege Boxing (Women) held at Kurukshetra University Kurukshetra from 01.12.2021 to 03.12.2021 (Weight Cat. 40 KG)

## **TAEKWONDO**

### **Mr. Vinay Rana, B.A-I**

- Got 2<sup>nd</sup> position in Intercollege Taekwondo (Men) event Poomsal held at Kurukshetra University Kurukshetra from 14.02.2022 to 15.02.2022 (Individual).

## **WUSHU**

### **Mr. Parichay**

- Got 3<sup>rd</sup> position in Intercollege Wushu (Men) held at Kurukshetra University Kurukshetra on 18.02.2022.

### **State Level**

### **Mr. Vinay Rana, B.A-I**

- Got 1<sup>st</sup> position in Haryana cup Taekwondo (Poomsal event senior) held at Ambala from 23.12.2021 to 25.12.2021.



## **ALL INDIA INTERVARSITY**

### **TAEKWONDO (MEN)**

#### **Mr. Vinay Rana, B.A-I**

- Got 3<sup>rd</sup> position in All India Intersarsity Taekwondo (Poomsal) team held at Kerala University from 21.03.2022 to 24.03.2022.

### **ARTISTIC GYMNASTIC (MEN)**

#### **Mr. Prem Kumar, B.A.-III**

- Got 3<sup>rd</sup> position in All India Intersarsity Artistic Gymnastic (Men) team held at G.N.D.U. Amritsar from 23.03.2022 to 25.03.2022.

### **ARTISTIC GYMNASTIC (WOMEN)**

#### **Ms. Kritika Verma, B.A.-I**

- Got 3<sup>rd</sup> position in All India Intersarsity Artistic Gymnastic (Women) team held at G.N.D.U. Amritsar from 29.03.2022 to 31.03.2022.

#### **Ms. Sunita Shahi, B.A.-II**

- Got 3<sup>rd</sup> position in All India Intersarsity Artistic Gymnastic (Women) team held at G.N.D.U. Amritsar from 29.03.2022 to 31.03.2022.

### **RHYTHMIC GYMNASTIC (WOMEN)**

#### **Ms. Richa Proch, BBA-II**

- Participated in All India Intersarsity Rhythmic Gymnastic (Women) team held at G.N.D.U. Amritsar from 29.03.2022 to 31.03.2022.

### **HOCKEY (MEN)**

#### **Mr. Rudra Pratap, BCA-I**

- Participated in All India Intersarsity Hockey (Men) held at Pune from 09.03.2022 to 20.03.2022.

#### **Mr. Himanshu, B.A.-I**

- Participated in All India Intersarsity Hockey (Men) held at Pune from 09.03.2022 to 20.03.2022.

### **NORTH ZONE HOCKEY (MEN)**

#### **Mr. Rudra Pratap, BCA-I**

- Got 3<sup>rd</sup> position in North Zone Intersarsity Hockey team held at G.N.D.U. Amritsar from 26.02.2022 to 02.03.2022.

#### **Mr. Himanshu, B.A.-I**

- Got 3<sup>rd</sup> position in North Zone Intersarsity Hockey team held at G.N.D.U. Amritsar from 26.02.2022 to 02.03.2022.

### **BADMINTON (MEN)**

#### **Mr. Manik Malik, B.Com-II**

- Participated in North Zone Badminton Intersarsity held at Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat on 20<sup>th</sup> February, 2022.



# *Commerce Section*

Staff Editor  
**Mrs. Pinki Gupta**

Student Editor  
**Karan Ahuja**  
B.Com (Gen) Final

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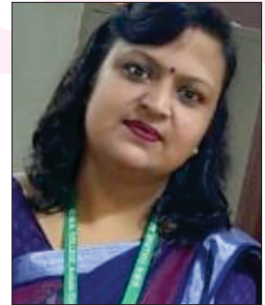
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# Editorial

Dear students,

**“Not all dreamers are winners, but all winners are dreamers. Your dream is the key to your future.” —Mark Gorman**

Welcome to the Commerce Section of annual magazine of Gandhi Memorial National College, Ambala Cantt. We are really proud and exuberant to acclaim that we are ready with all new hopes and hues to bring out opinions of students, which is going to surely unfold the unraveled world of their valuable thoughts.



It is a matter of pleasure that we put forward the next dynamic piece of creativity, freedom, self-expression and enthusiasm in the form of annual college magazine which is a blend of the work of talented students along with their unique interest who have contributed for this magazine.

This is not just a magazine as potential talents, achievements and visions of a college get reflected through this. Commerce section of this college magazine throws light on burning topics and trends in the field of business and other territory sectors.

I believe that all the students have different talents so they excel in the fields they have their interest. So do your work at your best level in your respective field of interest and nobody can stop you from being successful.

**Mrs. Pinki Gupta**  
Assistant Professor  
Dept. of Commerce



# *Student's Editorial*

*It gives me immense pleasure to be the Student Editor of Commerce Section of college magazine, **Gandhi Path**. The magazine is a reflection of students' creativity and achievements. Herein, the students have put forth their ideas and thoughts that are too deep to be expressed and too strong to be suppressed.*



*The magazine is to be viewed as a launch pad for the student's creative urges to blossom naturally. As the saying goes, mind like parachute works best when opened. This humble initiative is to set the budding minds free, allowing them to roam freely in the realm of imagination and experience to create a world of beauty in words.*

*I take the opportunity to thank all the contributors for making Commerce Section endearing for our readers.*

*Happy reading!*

**Karan Ahuja**  
B.Com (Gen) Final

## BOOMING TRENDS IN COMMERCE EDUCATION

Commerce is arguably the most popular academic choice in India and is one of the three central academic streams. The other two are humanities and science. While pursuing a course in the commerce field, one acquires knowledge related to corporate finance, stock markets and the innerfinancial functioning of various profit and non-profit instructions inter and the economy, on the whole.



The concept of trade and trade and commerce consists of a wide range of inter-disciplinary branches such as Accountancy, Business Administration, E-commerce, Economics and taxation laws etc. Indian economy is one of the fastest growing economies in the world. The need for gifted specialists, who can add to the economic growth of the country, is also snowballing.

To serve this surging demand innumerable commerce colleges around the country are now offering quality education and training, to millions of students in this field. Some of the emerging career option for a commerce student are:

### **CERTIFIED MANAGEMENT ACCOUNTANT (C.M.A)**

ICWAI used to offer the CWA course. The name of ICWAI's course has been changed now. It is now known by the name of CMA. CMA stands for certified management accountant. This course, chartered accounting and CS course have few common elements presents in them. CMA course has three levels : foundation, intermediate and final. 12th standard passed students may take the first step foundation level and start CMA course.

### **LAW**

Usually, only Graduates are allowed to pursue L.L.B. But thanks to new rules, it is also possible for 12th commerce students to pursue law course from law schools after selection. But to do so, they will have to select an integrated law course. Such integrated course last 5 years. These integrated courses are combination of a Degree course and traditional L.L.B course. For example B.com with L.L.B.

### **CHARTERED ACCOUNTANT (C.A)**

C.A stands for Chartered Accountant. Job of a C.A is to see to it that financial affairs of business and companies are in accordance with the laws set by Government Authorities. Their tasks include looking into tax affairs, look into financial transaction through auditing, creating necessary report etc. To become a C.A., one has to successfully complete Chartered Accountant Course and become a member of ICAI (Institute of Chartered Accountant of India). In case of 12th Commerce Passed Students they may start off by applying for CPT (Common Proficiency Test). This test managed by ICAI.

### **BACHELOR OF BUSINESS ADMINISTRATION**

B.B.A stands for Bachelor of Business Administration. It is a 3years long Degree Course. After Completion, one may also follow it up with an M.B.A (Master of Business Administration)

### **BACHELOR OF ECONOMIC**

Commerce stream students will find it relatively easier to deal with B.Eco. After completing this course (which last 3 years), one may land jobs in private as well as Government Sector.

### **COMPANY SECRETARY (C.S)**

For any company to function properly, a company secretary is needed. And to become a C.S., one has to appear for Company Secretary Course from ICSI and clear the exam associated with course. In case of 12th commerce passed students, to get selected for the C.S course offered by ICSI, they must go through 3 stages. The stages are – Foundation, Executive and Professional Program.

### **BACHELOR OF HOSPITAL MANAGEMENT (B.H.M)**

It is an undergraduate Hospital and Health Care Management Course. Hospital Management is a field relating to leadership management and administration of hospital, hospital networks and health care system.

### **BACHELOR OF STATISTICS (B.STAT.)**

This program is suitable for those who are interested in mathematics and love playing around with data and numbers. Indian statistical Institute (ISI) is the place where you may pursue Bachelor of Statistics Program. It is a very reputed institute. Commerce students are eligible to pursue this course from ISI.

### **FINANCIAL ANALYSIS**

It is sought after in IT, manufacturing, banking, consulting, BIO and KPO sectors. The job includes managing accounting transactions and system interface in general ledger and providing analytic support business activities.

### **BACHELORS OF FINANCIAL MARKETS (BFM)**

A degree in commerce or economics is suitable for entry into this profession. Broker and all stock markets trader have to be certified. The certifying authority is the National Stock Exchange of India.

**Jatin Kumar**  
M. Com (Final)

## **EVOLUTION OF CRYPTO CURRENCY**

Crypto currencies have been introduced in the 21st century and have since evolved and adapted to the needs of the market and consumer. A crypto currency is a digital currency that is secured by cryptography, which makes it nearly impossible to counterfeit or double-spend.

The running of crypto currency is done on public ledger called block chain, a record of all transactions updated and held by currency holders.

Units of crypto currency are created through a process called mining, which involves using computer power to solve complicated mathematical problems that generate coins. Users can also buy the currencies from brokers, then store and spend those using cryptographic wallets. Some famous examples of crypto currency are bit coin, ripple, lit coin, etc.

Currently, crypto currency market is worth over 100 billion US dollars, but since its inception the currency has seen major shifts in usage and format. The market for crypto currency has been evolving as well, based on the buying trends of consumers and gradual stringency of government regulations for digital methods of payments and other transaction.

Therefore, in this study the evolution of crypto currency as an alternative to traditional cash or cash-less payment methods is analyzed.



**Guneet Kaur**  
B.Com (hons) 1st Year

## EFFECT OF GST ON MIDDLEMEN

GST is an indirect tax which has replaced many other indirect taxes in India which used to exist before. The Goods & Services tax act was passed in the parliament on 29th march, 2017. This act came into effect on 1st July, 2017. Goods and Services tax law in India is a comprehensive, multi-stage, destination-based tax that is levied on every value addition.



GST affected middlemen directly, as with the GSTs implementation, the middlemen will come into the organized bracket & will have to pay taxes for the very first time. Being the middlemen, they make gains from unbilled goods that do not attract VAT. For instance, if a product which should have cost the wholesaler Rs.112.5 (assuming 12.5% VAT & Rs.100 product cost) it will cost him only Rs.100, so it was a profit for the wholesaler.

With introduction of GST they have to pay tax at every level. This leads to an increase in compliance costs and taxation for them. The result of GST at every level of distribution chain made the companies to think over their direct network to reach retailers.

FMCG (Fast Moving Consumer Goods) companies such as Emami, Dabur and Bajaj corporations that totally relied upon layers of middlemen are now setting up their direct network to reach the retailers. Companies say that decision to reduce dependence on the wholesale network while increasing focus on direct distribution will help to mitigate challenge of GST. From Emami Ltd. to Dabur India, is trying to reduce their dependence on wholesale market. Before GST implementation wholesale contributed 50-52% on Emami's overall sales, but after GST implementation it reduced to 40-42%. Dabur India is also planning to significantly increase its direct reach to its retailers because of implementation of GST. Sunil Duggal, the CEO said "we plan to increase it (direct reach) by at least 20%.

After the implementation of GST the profit margin of the wholesalers remains as low as 1 percent. Since under the GST regime every invoice pertaining to taxable supply has to be uploaded on GSTN's common portal and has to be accepted by the buyer, the wholesalers are unable to escape their tax liability.

The only possibility for tax invasion for wholesalers would rise if the entire supply chain is outside the tax network and did not file a return under GST, which is very unlikely. Nowadays, the wholesale sector is undergoing a major change in the way they do business. The implementation of GST has reduced the cost advantage of wholesalers drastically. They are in very big loss.

**Tamanna Kumari**  
M. Com (Final)



## BUSINESS PROCESS MODELING

BPM is a tool that analysts and project managers use to identify weaknesses and redundancies in companies. It is the graphical representation of a company & business processes or work flows, as a means of identifying potential improvements. This is usually done through different graphing methods, such as the flowchart, data-flow diagram, etc.

Business process modeling is meant to map out how your team, department or business gets work done. It visually describes a process from start to finish, so anyone can see how your company operates.

Business process modeling has become an increasingly popular tactic in the corporate world. For the past several years, McKinsey has published an analysis on business process management to reflect current trends in business process modeling and tracking the use of BPM by global companies.

“Business process management in the future will not only be about cost, efficiency and agility, but it will also impact the experience of your customers, staff and suppliers. Simply put, process management will actively contribute to meeting your business needs in 2022.

To align your organization towards experience management, you should ask yourself the following question: Which of my processes touch which of my experience components and how?”- Rouven Morato, Co-General Manager, Business Process Intelligence, SAP

### HOW TO INTRODUCE BPM TECHNIQUES TO YOUR COMPANY?

The first step to test BPM is to review the materials you need to create a successful map. Without allowing the necessary information, your process will have gaps that prevent you from seeing the potential for change.

The essential components of a business process model if you want it to drive change in your organization are:

- a. The desired outcome driving you to run through the process.
- b. The customer needs (the start point) and the customer fulfillment (the end point).
- c. The actions that need to be performed to reach the desired outcome in their exact order.
- d. The people who are in charge of executing these activities.
- e. The documents, forms, and materials used throughout the process.

Following techniques can be used to implement BPM and also to check the functionality of it:

**Start Small and Then Expand:** Do not invest in expensive tools to understand how mapping out your business process can help save time and money. Instead create flowcharts of all the organizational process. It is a low-tech but effective way to start reviewing a few of your processes.

**Test Changes to See How Employees Respond:** It is advised not to rely on automation for everything. While a common tool to help companies save money, automation is the solution to everything. In fact, can actually hold employees back if the process becomes more complex.

**Software Options:** If you do choose to invest in a BPM software tool, or are ready to make the jump to digital modeling, make sure the program you use has the right features to meet your company & needs.



**Tanvi Gupta**  
M.Com (Final)

## E-COMMERCE

E-commerce popularly known as e-commerce Refers to commercial transactions performed online via. They involve the use of computers and the internet to serve the business entities and customers. E- Commerce has grown tremendously over the years due to the widespread usage of internet. Not so long ago, Commerce has changed with the introduction of e-commerce. Thanks to e-commerce, the world has now become a global village Since business transaction are usually conducted online. An individual or a business entity can advertise their products online being at home at the same time. Such transactions are possible due to the numerous Online payment system such as master cards and online mobile payment system. The widespread usage of e-commerce has made the cost of doing business easier and cheaper than it is before. E-commerce in today's world can be explained as:



- **Electronic banking:** Many banks have introduced mobile apps for electronic banking using a computer or mobiles phones customers can now contact to the bank's computer system via the internet and control their daily financial dealing from the comforts of their home. This reduces the staff and building of banks.
- **Electronic shopping:** Shopping has become very easy for people using the internet from their home. Different manufacturers present their products Online at their websites. Consumer browses the websites, place orders and even make payments using a credit card.
- **Conducting Auctions:** Numerous websites provide auctions facilities for various products. Individuals can participate in the auctions and purchase the products of their choice. They can make payments through by using credit cards, debit cards etc.
- **Marketing and Advertising:** E-commerce offers an important platform for marketing and advertising products all over the world. Popular websites can be effective way of introducing new product to customers.
- **Providing customers services:** Websites offers businessman an opportunity to communicate with their customers over the internet. They discuss various issues relating to their products. They can deal with their complaints and give solution and a variety of service to them.
- **Online Travel Reservations:** One popular use of e-commerce is booking tickets on their air flights, hotels or car via the internet. Online travel reservations save time and hassle of finding available options at travel destinations.
- **Video conferencing:** Video calling has reduced the distance and removed boundaries that kept people away. With the advancement of internet, it is now very much possible to connect with anyone, anywhere and anytime. Video conferencing is a meeting using video cameras and microphones and discussions. This provides an environment as in physical normal meeting. It enables participants to see, hear and present material to each other and interact as if they are in the same room. In corona time, video conferencing helps the employees and the students most.
- **Online Trading:** Online trading is a process of accomplishing business using the internet. The Stockbrokers can trade electronically on various stocks and in real time.

**Vaishnavi**  
B.Com

## IMPORTANCE OF TIME IN STUDENT LIFE

Are you a student facing time management issues? Well, the majority of student's today struggle with managing their time effectively leading to a decrease in their productivity levels along with an increase in stress. Time management is an art that not only brings discipline in a student's life but also optimizes their overall growth. Thus, all students must know effective ways of time management. If you are one of those students looking for ways to manage your time, this blog is for you! Here we will discuss the importance of time management for students and also provide tips for the same. Take a look each one of us has 24 hours a day and how we spend it completely depends on us.



As the term suggests, time management is organizing your time and making the most of your daily routine. It is the ability to use each hour effectively. Managing time not only makes us complete our work but also give us ample time for ourselves. People can work smarter when they learn to manage their time effectively. However, each human is wired uniquely different. Hence, it is important to know that each one of our schedules might depend on several intrinsic factors and can be influenced by multiple external factors. Time management for students is of utmost importance to balance their studies with other daily essential tasks. Good time management reflects on your health and also adds to your energy to achieve more. Here are a few reasons why time management should be of utmost importance for all students.

**It Increases Your Productivity** if you manage your time effectively, it adds to your productivity levels. Assigning a fixed time for all the tasks to be done in a day lets you plan your day in advance and enables you to do more tasks in less time. But you should remember that this will only be effective if you do your work on time, procrastination will definitely have a negative effect on your productivity. **Positive Effect on Health** Good time management efforts also reflect on your health. When you manage your time effectively, you don't have to stay up late to finish your tasks. Cutting down on your sleep time will lead to tiredness, which will hamper your schedule for the day.

**It Keeps Your Work Organized** the best way of time management for students are to create and follow a fixed timetable for each day. This is beneficial for students since they will have a clear idea of the different tasks to be done each day, and they could also easily mark the tasks as done after completing them.

**It Helps in Stress Reduction** Not completing your studies, assignments and projects can cause you to be stressed out. Taking care of our mental health is very important for everyone, and since students often get increased stress and anxiety levels due to the pressure of studies, it reflects on their poor performance. Effective time management can help you in lessening this mental pressure, which will also boost your confidence and energy levels.

**No Last-minute Cramming of Syllabus** One problem that students often face is not completing their syllabus on time. This leads to them cramming up all the chapters just before the exams, which undoubtedly makes them get lower scores than they expected. With proper techniques of time management for students, they can not only complete studying the chapters in their syllabus on time, but also have some extra time left for their revisions.

### **Tips for Time Management for Students**

Now that you know the importance of time management for students, you should start on working on managing your time better. If you are clueless about how you should start with this, worry no more! Here are some tips on time management for students that you will find useful:

- Create a daily timetable or schedule with all the tasks to be done
- Start your day early
- Divide your tasks
- Take short breaks between studies or doing your tasks
- Do not procrastinate
- Work on one task at a time instead of multitasking
- Get enough sleep
- Do your tasks with full focus
- Practice healthy eating

### **Conclusion**

Conclusion, time management is a very important skill to be learned and to be mastered in order to have a better lifestyle. By managing well time, you will no longer suffer from stress and your works/tasks will be done on time and with great quality. Remember that it is important to have the attitude to change your schedules and to change procrastination. Also, take into account all of the explained strategies that are very helpful to achieve a better time management. It is important to add, that sports also provide a helpful hand for time management, and also permit your body to be healthy and to have a better social circle.

**Yogita Rawat**  
B.Com General (1st Year)

## **THE IMPACT OF SOCIAL MEDIA ON SOCIETY**

Almost a quarter of the world's population is now on Face book. Nearly 80% of all internet users are on this platform. Because social networks feed off interactions among people, they become more powerful as they grow. Thanks to the internet, each person with marginal views can see that he is not alone. In addition, when these people find one another via social media, they can do things-create memes, publications and entire online worlds that booster their worldview, and then break into the mainstream.



Without social media, social, ethical, environmental and political ills would have minimal visibility. Increased visibility of issues has shifted the balance of power from the hands of a few to the masses. While social media activism brings an increased awareness about societal issues, questions remain as to whether this awareness is translating into real change. Some argue that social sharing has encouraged people to use computers and mobile phones to express their concern on social issues without actually having to engage actively with campaigns in real life. Their support is limited to pressing the Like button or sharing content.

At the end of the day, sharing is about getting people to see and respond to content. As long as the content is still relevant and the need for information still exists, it is always worthwhile for any organization to use social media to keep publishing.

**Jasmeet Kaur**  
B.Com Gen (2 Year)



## GREEN MARKETING

Green marketing is a relatively new concept, which involves the promotion of products and services which are safe for the environment. It involves development, manufacturing, promotion, distribution, consumption and disposal of the products and services in a sustainable fashion so that least damage is caused to nature.

In this way the marketing of the company & offering is done on the basis of its environmental advantages. Activities may include product adjustments, change in the process of production, change in advertising and sustainable packaging of products.

The primary aim is to reduce the adverse effects of the products and its consumptions and disposal, on the environment. This means that the products and services are either eco-friendly or produced in an eco-friendly manner, which does not harm the environment.

Now the question arises how green marketing works? It is one of the components of a broader movement towards socially and environmentally conscious business practices. Increasingly, consumer has come to expect companies to demonstrate their commitment to improve their operations alongside various environmental, social and governance. To that end many companies will distribute social impact statements on an ongoing basis in which they periodically self report their progress towards these goals.

Green marketing practices may include using recycled and renewable material for production, reduce product packaging or use eco-friendly packaging, not using toxic materials which are harmful to the environment, making products which are renewable and recyclable.

So, basically green marketing is all about developing and promoting products and services that fulfill customer requirements in terms of quality, affordability, performance and safety but without any damage to environment.



**Komal**  
M.com Final

## DIGITAL BANKING

Digital banking is the automation of traditional banking services. digital banking enables banks customer to access banking products and services via and electronics/online platform. Digital means to digitize all of the banking operations and substitute the banks physical presence with an everlasting online presence, eliminating a customers need to visit a branch.

Elaborating on the convenience offered digital banking let's user carry out banking work around the clock with 24/7 availability of access to banking functions. Digital banking - enabled found transfers reduce the risk of counterfeit currency. Digital transformation in banking Digital banking emerged with height and customers demands for more efficient ways to access banking records and complete financial transactions outside of local branches. The digital banking transformation initiated with limited online banking services before advancing into a digital only market. Online banking can be offered by both traditional banking institutions as well as tax service startups and refers to the most basic banking operations like bill payment and account transfer these services usually take place on a bank website where customers enters specific logic information to access there financial accounts. While most legacy banks now offer online services digital only banks are developed entire electronically digital only banks don't lean on the financial customer support from and established physical location instead their powered via digital platforms that appeal to the millennial and genz populations. Online banking substantially inspired mobile banking which offers essentially the same services but from the tablet or smartphone mobile banking refers of offering uses the ability to execute routine banking task through mobile channels and digital banking.



**Mansi**  
B.Com (CAV) 1st Year

## GANDHI PATH & COMMERCE

Gandhi path in commerce is a way of doing business. It is a model of political, economic and societal change that is based on the leadership of Mahatma Gandhi. His philosophy was based on civil rather than military resistance and peace rather than war. It has been applied in various countries in different continents.



Gandhi path does not aim to change governments but works for peaceful and inclusive societal transformation, especially among the marginalized sections like Dalits, Adivasis, and women etc. who are often excluded from the political process.

Gandhi path is based on the understanding that economic transformation, which is created and driven by peace, social harmony, gender equality and decentralization of power can bridge gaps. By reducing inequalities, marginalization and discrimination, it can create a new economy that serves the needs of all rather than elite section. It may require changes in existing policies including taxation so that they become more equitable and mitigate social gaps. Applying the principles of Gandhi path in commerce educational institutions and business must be placed on a democratic footing, with power resting with the students and teachers, after which implementation falls onto the management. In turn, appropriate funding can be allocated from state coffers. Administrative structures should also apply a graded approach to decisions so that there is no room for corruption. A transparent process must be followed for selection and appointment of key management personnel to ensure that people are chosen for their competence rather than their caste or religion.

It is necessary to eliminate all forms of untouchability from society and recognize everyone as an equal member of a community. It has been proven that no country will prosper if its population does not progress economically or socially. Education also plays a key role in ensuring that every citizen is empowered.

In order to create a new social structure, it is important to understand the manner in which our sub-continent was created. The caste system of India is one that has been growing for thousands of years, and continues to be an active part of the Indian culture despite being illegal in the modern age. Caste systems are still practiced today within these communities and are most commonly seen in areas of India that historically were never under the influence of British rule.

**Karan Ahuja**  
B.Com Gen Final

## E-COMMERCE AND COVID-19

E-commerce or electronic commerce is the trading of goods and services on the internet. It is your bustling city centre or brick and mortar shop translated into zeros and ones on the Internet super highway. This year an estimated 2.14 billion people worldwide will buy goods and services online and the number of prime members shopping Amazon stores now tops 150 millions. E-Commerce one way among many that people buying and selling things in retail. Some companies sell products online only. But for many E-Commerce is a distribution channel that's part of a broader strategy that includes physical stores and others revenue streams. Either way E-Commerce allows startups small businesses and large company to sell their products at the scale and reach customers across the world. Electronic commerce draws on technology such as mobile commerce, electronic funds transfers, supply chain management, internet marketing etc. Corona virus impact the whole E-Commerce of the world. It has changed the nature of business according to search 52% of consumers awarding to go brick and mortar shopping and crowded areas. Furthermore 36% avoiding brick motor shopping until they get corona virus vaccine. Corona virus affects different nature of products means the impact of covid-19 on several product is very high and some product less impact. Overall sale of e-commerce increases because of this virus people awarding to go out keeping social distance and buying from home working from home such as Walmart grocery. Moreover, the media uses also increased in this time and Facebook Google updated their features to connect more people in single time suggest Facebook introduced messengers which is completing with zoom similarly Google also launched updated versions in 2020.

Covid-19 has significant impact on E-Commerce of the world and in some case negative impact but overall E-Commerce is growing rapidly because of virus. Corona virus compared to customers to use internet and make it habit in their routine in this article we have reviewed and deliberate disparagingly China's covid-19 outbreak. We are primary interested in how corona virus spread in efforts the E-Commerce of not only China's rather it affects globally awareness almost this topic can counter signed better information in people and deliberation to how ecommerce business and economies of countries affected by corona virus how ecommerce provides alternative way to people to meet there demands. E-Commerce enhanced by covid-19 how it impacted E-Commerce will win outraging more deeply in this area such as E-Commerce trends how changed by corona and future trends.



**Khushboo Kaushik**  
B.Com (1st Year)

## ONLINE MARKETING

Online marketing is a set of tools and methodologies used for promoting products and services through the internet. Online marketing includes a wider range of marketing elements than traditional business marketing due to the extra channels and marketing mechanisms available on the internet. Online marketing can deliver benefits such as:



- Growth in potential
- Reduced expenses
- Elegant communications
- Better control
- Facilitate return and exchange

In 1995 CSNL launched its internet services in India, which was the origin of digital marketing in India. It did not perform well initially, as only 0.5% of the population used the internet till 2020.

The online marketing gets less popularity in its starting year. Because people are less aware about the online transaction. Main cause of it's that "people are less aware about latest technological changes". But in 1998, with the birth of Google. Microsoft launched the MSN search engine and yahoo brought the market yahoo search. Benefits of online marketing:-

- 24\*7 marketing :- on online platforms there is no time limit just as traditional market , all services are available for 24 hours in a week.
- Employment: - when someone purchases something, it is benefitted to seller as well as agent (commission), delivery charges, etc.
- Reduce paper work: - it will reduce the pear work because many banking transaction such as- loan approval, payment, legal formality, etc. is done online and helps to environment.
- Green consumerism: - reducing paper work, recycling policy of various organizations, etc. all proves to eco-friendly.
- Convenient: - it is very convenient, because there is no bargaining system (from point of view of seller and no need to go to particular place (from point of view of purchaser).
- Worldwide: - because of advertising facility on various platforms, seller can sell their product throughout the world.
- Income: - things are selling at convenient prices because of discounts and various coupons. It adversely affects the income level of purchase

**Sanjana**  
B Com (Hons.) 1st Year



## INDIAN ECONOMY

Indian economy was on a roll riding on a positive GDP data and some great economy management by the government. During the last quarter of 2013, the general outlook on the economy was so bleak, that most of the rating agencies such as Finch, and Moody's had downgraded India to a negative. Huge trade deficit, alarming levels of Current Account deficits and high Inflation made matters worse for the growth and development of the country during the period. Foreign exchange was disastrous with rupee falling continuous against all major foreign currencies from 42 rupees a dollar in 2008-09 to 65 rupees one dollar in 2013-14. Dollar appreciated approximately 50% during this period against India Rupee. Stock market had been highly volatile and that forced investors and FIIs to flee.



The government of India has set a target of 5 trillion-dollar economy by the end of the financial year 2024- 25 and everything seemed to be in the right track. Then the disaster hit the Indian economy in the form of Covid19 Pandemic, which was believed to be originated from Wuhan province of China.

The subsequent lockdown of all the economic activity, not only in India but also across the world brought disaster to the developing economies like India. The economy shrunk by a whopping 23.9%, largely due to the complete lock down of all the economic activities during April/May 2020.

### Effect of Covid 19 on the economy

The impact of corona virus pandemic on India has been largely disruptive in terms of economic activities as well as loss of human lives. Almost all sectors have been adversely affected as domestic demand and exports sharply plummeted with some notable exceptions where high growth was observed.

Pandemic causes a short-term fiscal impact on the nations around the world. It involves health system expenditure to provide health facilities to infectious cases and arrangement of consumable such as antibiotics, medical supplies and person protective equipment.

Pandemic can also result in declined tax revenues and increased expenditure which causes fiscal stress especially in lower middle-income countries where fiscal constraint are higher and tax system still needs improvement.

The economic impact severity was during Ebola virus in Liberia due to rise in public health expenditure, economic downfall and revenue decline due to government inability to raise revenue because of quarantine and curfews.

Other than labour shortage, disruptions of transportation, closed land borders are reason for the pandemic's economic slowdown. In the pandemic where every sector of economy was facing a downfall, the pharmacy industries enjoyed the huge profit rate as medicines, sanitizers, masks etc were need of the time.

The finance minister's Budget speech 2021 revealed the government's plans to establish an Asset Reconstruction Company to take over bad debt from the books of public sector banks for eventual disposal. That suggests that the ARC route rather than recapitalization would in the coming months be the main means of refurbishing capital in the public banking system. Since there are as many as 28 ARCs already in existence, the reason why the creation of one more would resolve a problem that is expected to worsen over the coming year is unclear. In fact, past experience indicates that ARCs have not helped enhance the actual recovery of lock-up in stressed assets. This suggests that the move is a means to postpone the problem of bad debt resolution so as to avoid having to recapitalize the banks with budgetary resources, which would widen the central fiscal deficit.

**Diya Bhanot**

B.Com 1 Year General



# *Planning Forum*

Staff Editor  
**Dr. Bharti Vij**

Student Editor  
**Shewta Sharma**  
BBA II Year

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# Editorial

Dear Reader

**'Education is not the learning of the facts but the training of the mind to think' - Albert Einstein.**

It is indeed a great pleasure for me to present the planning forum section of the college magazine 'GANDHI PATH'. Being on the editorial board of the college has truly been a paralleled honour filled with gratitude for the opportunity.



Our budding talents have expressed their thoughts, ideas, hopes, aspirations and convictions in a creative way. The college magazine 'GANDHI PATH' reflects how the college has been able to live up to its aim, providing quality education to the students.

I am very thankful to our esteemed members of the editorial board and student members for their co-operation and support that they have input to their best in bringing out this issue of our college magazine.

**Dr. Bharti Vij**  
**Assistant Professor**  
**Department of Management**



# Student Editorial

It gives me immense pleasure in acknowledging the fact that the college magazine, **Gandhi Path** has provided a wonderful platform to all the students to express their creativity and bring out their hidden talents to the fore. Through this academic venture, the students get the opportunity to put forth their ideas and thoughts to the readers. It gives them a confidence to present themselves in a better way to the world outside.



I feel humbled in acknowledging the contributions of all the students for making this section interesting and full of knowledge.

Thanks

Enjoy Reading!

**Shweta Sharma**  
**BBA II**

## JEWELLERY INDUSTRY IN INDIA

Indian jewellery is unique in its sign and workmanship. India and jewellery, jewellery and Indian women - terms are linked inherently. The art of making beautiful ornaments, with delicacy and acumen, has been developed throughout historical times. Jewellery is made for almost all parts of the body and it is and it is also designed to match the attire. To make jewellery more attractive, it is topped with diamonds and various types of gems. Indian jewellery inspires passion unlike any other object of desire. Every woman in India loves to wear at least a small piece of gold jewellery either in the form of glittering neckwear ornament, dangling earrings or exquisitely crafted bangles. Even men wear simple gold ornaments like rings, bracelets and chains. Thus, we can say that everyone has been moved by the beauty of gold jewellery and it has become a part of our culture and tradition.



The industry is dominated by family jewellers, who constitute nearly 96 per cent of the market. Organised players such as Tata with its Tanishq and Gitanjali have entered the market with branded jewellery which constitutes the remaining 4 per cent.

The jewellery retail future in India is bright. There is around Rs. 80,000 crore domestic jewellery market in India, in which the growth of branded jewellery is approximately 40 per cent every year. The owner of the jewellery shops was the determining force of all deals. This system has been replaced by professionalism in retailing and marketing. Jewellery retailing in India is undergoing a slow transformation from a largely unorganised sector to a more organised one. The Indian jewellery retail segment is going global. Since Indian consumers are becoming more aware and quality-conscious, branded jewellery is becoming very popular. Jewellery retailers have started to use the latest technology, designs and layouts that meet international standards. Since many new generation retailers with specialisation in retailing have entered into the jewellery retailing business, this field is constantly growing with new methodologies. In an increasingly competitive and flexible market, the continuous improvement of processes is essential to the enhancement of effectiveness and efficiency. This approach has proved to be indispensable in generating change in the world of business so that companies can grow in size and scale and succeed in a global context. This study was developed at a company in the jewellery industry, more specifically in the area of production control. The objective was that of analysing and improving both the management process, as well as production control. By adopting tools from the Lean Thinking philosophy and a beta version of ME software (manufacturing-execution-system), the company was able to implement new strategies to minimise waste and ensure continuous improvement, thus contributing to greater customer satisfaction. By resorting to these tools, one saw marked improvements in the process studied, namely: better productive organisation; workers endowed with good organisational practices, and more thorough control of the entire production process.

### Conclusion

The jewellery industry is now one of the fastest-growing industries in the country. It occupies an important position in the Indian economy and is a leading foreign exchange earner. The wealth report of Karvy says that the amount of gold held by Indians is over 18,000 tonnes worth Rs.50 lakh crore. Worldwide roughly 52 per cent of the gold produced is used for making jewellery, about 12 per cent is used for industrial purposes, 18 per cent as investment holdings (Gold ETFs etc.) and the remaining 18 per cent is for central bank holdings.

The gem and jewellery sector is largely unorganised at present. Branded jewellery is a new concept in this sector and is gaining importance among people looking for quality, reliability and wear ability factors. Today, traditionally handcrafted jewellery is slowly giving way to machine-made jewellery.

The price of gold has increased to a level beyond expectation, but nothing seems to stop the gold-lust customers from buying and investing in gold. Industry experts say that the high prices had not affected the sales of gold jewellery. The Indian jewellery industry has been gaining prominence as an international sourcing destination for high-quality jewellery. Policy changes implemented by various governments over the past decade and even before have resulted in the overall development of the jewellery industry in India. Thus, emerging from relatively humble beginnings of a small and unorganised sector in the 1950s and 1960s, the Indian jewellery industry has now emerged as the manufacturing powerhouse of India.

**Muskaan Bhola**

BBA III

## WHAT IS TIME MANAGEMENT?

Working Smarter to Enhance Productivity.

### **Do you ever feel like there's not enough time in the day?**

We all get the Same 24 hours – so why do some people seem to achieve more with their time than others? The answer. **A Good Time Management.**

Time management is the process of organizing and planning how to divide your time between different activities. Get it right, and you'll end up working smarter, not harder, to get more done in less time – even When time is tight and pressures are high.



The highest achievers manage their time exceptionally well. And by wing Mind Tools “Time management resources, you too can make the most of your time-starting right now!

### **The Benefits of Good Time Management**

When you know how to manage your time effectively, you can unlock many benefits.

#### **These include:**

#### **Greater productivity, and efficiency:**

With higher labour productivity a company can produce more goods and services with the same amount of relative work," Mankins writes "In contrast to efficiency then, productivity is about expanding the numerator, the output, to deliver greater top-line growth from the same workforce.

#### **Less Stress :**

Time management helps you to reduce long-term stress by giving you direction when you have too much work to do. It puts you in control of where you are going and helps you to increase your productivity.

#### **A better professional reputation:**

Time Management can help you become a more reliable employee who always submits high-quality work by your due dates. This in turn will make you more valuable as a worker and improve your professional reputation, which can help. you find new opportunities to expand your career.

#### **Increased chances of advancement:**

By learning how to manage your time, you can improve your work life, increase your productivity, lower your stress and build a positive work-life balance. Overall, you start feeling more in control, with the confidence to choose how best to use your time. And by feeling happier, more relaxed, and better able to think, you're in a great place to help others reach then targets, too.

### **How Well Do You MANAGE YOUR TIME?**

Start by assessing your existing approach. How good are you at organizing your time? So that you get the Important things done well? Can you balance your time between different activities? And when you do make time to do something, are you able to focus and get it finished?

#### **Tip:-**

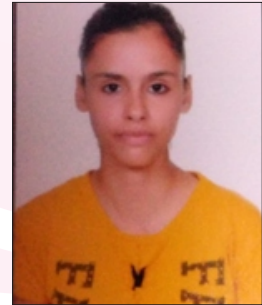
Good time management takes a shift in focus from activities to results. Being busy isn't the same as being effective. In fact, for many people, the more business they are, the Less they achieve.

**Dhruv Chaudhary**  
BBA-Ist Year

## LEADERSHIP AND MANAGEMENT - RELATIONSHIP & DIFFERENCES

Leadership and management are terms that are often considered synonymous. It is essential to understand that leadership is an essential part of effective management.

As a crucial component of management, remarkable leadership behaviour stresses building an environment in which every employee develops and excels. *Leadership is defined as the potential to influence and drive the group's efforts towards the accomplishment of goals.* This influence may originate from formal sources, such as that provided by the acquisition of managerial positions in an organization.



A manager must have traits of a leader, i.e., he/she must possess leadership qualities. Leaders develop and begin strategies that build and sustain competitive advantage. Organizations require robust leadership and robust management for optimal organizational efficiency.

### Differences between Leadership and Management

Leadership differs from management in the sense that:

1. While managers lay down the structure and delegate authority and responsibility, leaders provide direction by developing the organizational vision and communicating it to the employees and inspiring them to achieve it.
2. While management includes focus on planning, organizing, staffing, directing and controlling; leadership is mainly a part of directing function of management. Leaders focus on listening, building relationships, teamwork, inspiring, motivating and persuading the followers.
3. While a leader gets his authority from his followers, a manager gets his authority from his position in the organization.
4. While managers follow the organization's policies and procedures, the leaders follow their instinct.
5. Management is more of a science as the managers are exact, planned, standard, logical and more of mind. Leadership, on the other hand, is an art. In an organization, if the managers are required, then leaders are a must/essential.
6. While management deals with the technical dimension of an organization or the job content; leadership deals with the people aspect of an organization.
7. While management measures/evaluate people by their name, records, and present performance; leadership sees and evaluates individuals as having potential for things that can't be measured, i.e., it deals with the future and the performance of people if their potential is fully extracted.



8. If management is reactive, leadership is proactive.
9. Management is based more on written communication, while leadership is based more on verbal communication.

The organizations which are over-managed and under-led do not perform up to the benchmark. **Leadership accompanied by management sets a new direction and makes efficient use of resources to achieve it.** Both leadership and management are essential for the individual as well as organizational success.

### **Conclusion**

In summation, the role of leadership and management can work in different capacities, yet be the same when developing an organization. Leadership is nothing if it doesn't build a systems-based management structure, and management would have no support without the work of leadership as the backbone of ideals.

A review of this chapter's major conclusions includes:

1. Being ethically sound and sacrificing comforts for goals and objectives (classical ideals) makes leaders strive for innovation and the improvement of society (contemporary ideals).
2. Developing and systematically organizing hiring philosophies, institutional policies, budgeting processes, rewards, and decision-making styles are effective measures for managing organizations into the future.
3. Leadership and management are both the same and different.
4. Using the iceberg analogy and the five disciplines, leadership and management are both independent and dependent on each other, especially when achieving goals in a learning organization.

To offer parting words after this journey, it is important to understand that whatever leadership or management style is chosen, it has to relate to inherent beliefs. Essentially, the iceberg below the surface is not just made in one day, it is shaped and cultivated throughout life through natural and social occurrences, assumptions, and inherent beliefs. Leaders need to find their icebergs and self-reflect on what their beliefs mean to their leadership styles and how they develop their management strategies. As prospective leaders and managers in society, it is highly important to locate and cultivate a personal leadership style to become successful in a future society.

**Maninder Kaur**

BBA – I

## HUMAN RESOURCE MANAGEMENT

Human Resource Management (HRM) is the process of managing people in organizations in a structured and thorough manner. HR manager is responsible for managing employee expectations vis-a-vis the management objectives.



We look at the question "what is HRM?" by giving a broad overview of the topic and introducing the readers to the practice of HRM in contemporary organizations. Though as with all popular perceptions, the above imagery has some validity, the fact remains that there is much more to the field of HRM and despite popular depictions of the same, the "art and science" of HRM is indeed complex. We have chosen the term "art and science" as HRM is both the art of managing people by recourse to creative and innovative approaches; it is a science as well because of the precision and rigorous application of theory that is required.

As outlined above, the process of defining HRM leads us to two different definitions. The first definition of HRM is that it is the process of managing people in organizations in a structured and thorough manner. This covers the fields of staffing (hiring people), retention of people, pay and perks setting and management, performance management, change management and taking care of exits from the company to round off the activities. This is the traditional definition of HRM which leads some experts to define it as a modern version of the Personnel Management function that was used earlier.

The second definition of HRM encompasses the management of people in organizations from a macro perspective i.e. managing people in the form of a collective relationship between management and employees. This approach focuses on the objectives and outcomes of the HRM function. What this means is that the HR function in contemporary organizations is concerned with the notions of people enabling, people development and a focus on making the "employment relationship" fulfilling for both the management and employees.

These definitions emphasize the difference between Personnel Management as defined in the second paragraph and human resource management as described in the third paragraph. To put it in one sentence, personnel management is essential "workforce" centred whereas human resource management is "resource" centred. The key difference is HRM in recent times is about fulfilling management objectives of providing and deploying people and a greater emphasis on planning, monitoring and control.

Whatever the definition we use the answer to the question of "what is HRM?" is that it is all about people in organizations. No wonder some MNCs (Multinationals) call HR managers People Managers, People Enablers and the practice of people management.

In 21<sup>st</sup>-century organizations, the HR manager or the people manager is no longer seen as someone who takes care of the activities described traditionally. Most organizations have different departments dealing with Staffing, Payroll, Retention etc. Instead, the HR manager is responsible for managing employee expectations vis-à-vis the management objectives and reconciling both to ensure employee fulfilment and realization of management objectives.

In conclusion, this article has briefly touched upon the topic of HRM and served as an introduction to HRM. We shall touch upon the other topics that this field covers in other articles.

**Mayank**  
**BBA-II Year**

## SOME HALF-TRUTHS OF MANAGEMENT

There are nowhere any whole truths; all truths are half-truths. So here are a few in Management.

### **Management:-every business needs the direction this direction is given by management.**

We live in Times of Great Change. Have you heard this before -say in the last hour? Did you know that when a laptop detects a CEO about to type Speech it automatically enters? We live in times of great changes. Why bother the CEO to type it again, since just about every management speech in the past few decades has begun with this line? That never changes. Do we live in times of great change? What's my point? That we only notice what is changing, and most things are not, of course, some things are changing: information technology, most notably. zap, I hit a few keys and Wikipedia tells about buttons. I hope you have taken notice of this new technology because it is rendering great changes. But I hope that you are also taking notice of all the things that are not changing because they are not less important. Managing change without managing continuity is nothing.



### **The world is Becoming More Global**

Often when I work with groups of managers in various parts of the world, I ask them whose businesses have more than half their sales outside their home country. You would be surprised how few do. Think how much retailing, banking, food and so on, is local. On the other hand, more than a century ago, Singer sewing machines were sold as globally as are Apple phones Today. The fact of the matter is that some businesses have long been global, and a great many remain local.

### **Management sits on top**

Of what? The pay scale, to be sure and probably the headquarters building too. But mostly on the top of that ubiquitous chart. So what? If, as CEO, you see yourself on top of your organisation, does that you keep on top of what is going on in your organisation? No. This top is the worst place to manage an organisation: looking down on everybody else. Try the ground instead. Don't we have enough disconnected managing already?

### **From this Top comes Decision And Strategies For everyone else to implement**

Selling unassembled furniture so that we can take it home in our cars, which saves us and the company a lot of money.

A worker tried to put a table in his car, and it didn't fit, so he took off the legs. Then came the key insight that eventually changed the strategy, and the industry. If we have to take the legs off, don't customers do too. Who asked that a CEO be on top. Thus: from everywhere implementation included came little insights that can emerge into big strategies.

### **Organizations need heroic leaders**

Really? How often have heroic leaders ridden into the established organization great white horses, only to fall into black hole organisations may need aggressive leadership but most other engaged management are quite Humble and thoughtful. Enough narcissism in the executive suites.

### **People are human resources**

Not me? Feel free to let yourself called a human resource. I am a human being, thank you. Not even

a human asset, let alone human capital. Enough of that demanding vocabulary of economics- turning us all into things. Resources are things we throw away when we no longer need them. Is that how to build a great internship? Airlines used to refer to passengers as self-loadinggo. Are the HR words any better?

**If you can't measure it you can't manage it.**

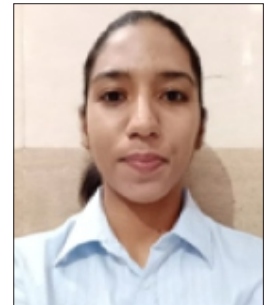
This is just plain silly. If you can't measure it, you had better manage it. And if you can measure it you had better manage it even more carefully. Think fall that matters in management and in life that is tough to measure: culture, essay, leadership, the market for a truly novel product, even management itself. And tell me did anyone who uttered this nonsense ever try to measure the performance of measurement, instead of assuming it is wonderful? I guess, then that we shall have to get rid of management and measurement too, not to mention truly products.

I could go on since too much management goes on and on with its half-truths. Instead. I'll just quote Winston Churchill, that human being who lived in times of greater Change than most of us can imagine.

**Perna  
BBA-I**

## **SOCIAL MEDIA: THE FUTURE OF SHOPPING**

The e-commerce sector is expanding rapidly, faster than anyone had predicted. According to Statista data, worldwide eCommerce sales will rise from \$1.3 trillion in 2014 to \$4.5 trillion in 2021, a 246.15% growth. After introducing shoppable pins in June 2015, data from 2016 demonstrated that Pinterest was ahead of the curve. Since then, it has added popular brands like ASOS, Zara, J. Crew, and Topshop to its platform through a number of purchases. However, Facebook re-released its "buy now" function in 2017 and has since dominated the market.



### **WHAT MAKES FACEBOOK SO PROFITABLE?**

Really, it is very easy. Social media strongly affects how consumers make purchases, and Facebook has the largest user base. Facebook had more than 2.20 billion monthly active users in May 2018, a 13% growth year over year, and 1.45 billion of those users log in at least once per day. The company is still growing at rates that seem to be surprising even themselves. According to Big Commerce,

- A purchase through Facebook would likely be made by 20% of internet shoppers.
- 18% of consumers said they would buy something that a friend liked on Facebook.
- 21% of internet buyers said they would spend money on an item from a brand's Facebook post.

A potent, effective combination is created by the combined force of social media and the enormous size of Facebook.



## **HAS INSTAGRAM CHANGED THE GAME?**

Instagram users are impacted by the content they view in a similar way to Facebook users. According to Big Commerce, 14% of online buyers are likely to make a purchase on Instagram.

In March 2018, Instagram began rolling out its shoppable posts to 44 nations, including the UK, Australia, Germany, and Canada, following an initial US-only trial. The ingenious Instagram tag system is now being used by an increasing number of major brands to give their customers a seamless buying experience.

Influencers on social media can have a significant impact on what people buy. They produce excellent, brand-consistent material, engage their fans to a great degree, and most crucially, have generated revenue in the past. According to a Tomoson report from 2015, businesses may recoup \$6.50 for every \$1 they spend on influencer marketing.

## **THE FUTURE OF COMMERCE**

We feel confident in predicting that a sizeable percentage of the anticipated growth in e-commerce over the next few years will come from shoppable social media. While social networks also continue to expand in size, social commerce (s-Commerce) appears to be developing at a rate that is quicker than anything we have witnessed in recent years. As a result, the potential income base will also continue to grow.

Instagram's next wave of s-Commerce is already under way. TechCrunch reported in May 2018 that Instagram is testing a feature that will let users in the US and UK book movie tickets, restaurant reservations, and beauty appointments easily through the app.

To achieve this, they integrated a native payment option into the app, enabling users to sign up for a credit or debit card and start making payments without leaving Instagram.

Instagram could also consider how to enable influencers to tag products directly, much like a company would, rather than using the brand's handle tag as the CTA. Fewer clicks to buy are required when products are immediately labelled on the influencer's and brand's accounts, which may significantly increase conversion rates.

## **WHAT COMES UP?**

Even if Facebook, Instagram, and Pinterest may already be used to shop, s-Commerce is still in its infancy, so it will be interesting to watch how it develops.

The platform with the most noticeable development at the moment appears to be Instagram. Businesses must make sure they have an eCommerce strategy that can alter with the rapidly evolving market because the integration of a native payment solution within the app is unquestionably a game-changer.

**Nazrina  
BBA III**

## WHAT IS ADVERTISING MANAGEMENT?

Advertising simply put is telling and selling the product. **Advertising Management though is a complex process of employing various media to sell a product or service.** This process begins quite early from the marketing research and encompasses the media campaigns that help sell the product.



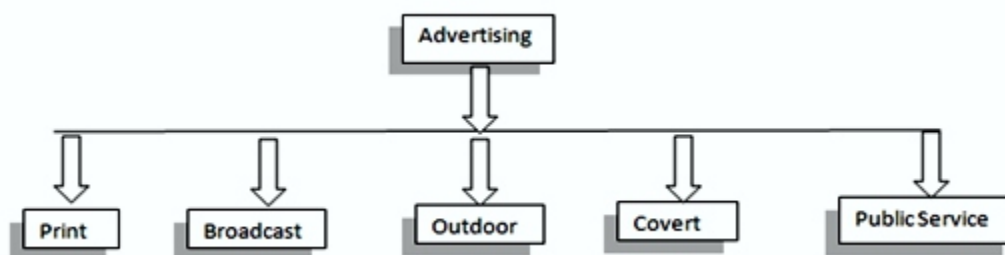
**Though is a complex process of employing various media to sell a product or service.** This process begins quite early from the marketing research and encompasses the media campaigns that help sell the product.

**Without an effective advertising management process in place, the media campaigns are not that fruitful and the whole marketing process goes for a toss.** Hence, companies that believe in an effective advertising management process are always a step ahead in terms of selling their goods and services

### Classification of Advertising

Advertising is the promotion of a company's products and services through different mediums to increase the sales of the product and services. It works by making the customer aware of the product and by focusing on customer's need to buy the product. Globally, advertising has become an essential part of the corporate world. Therefore, companies allot a huge part of their revenues to the advertising budget. Advertising also serves to build a brand of the product which goes a long way to make effective sales.

There are several branches or types of advertising which can be used by the companies. Let us discuss them in detail:-



### Print Advertising

1. - The print media has been used for advertising since long. The newspapers and magazines are quite popular modes of advertising for different companies all over the world.

### Broadcast Advertising

2. - This type of advertising is very popular all around the world. It consists of television, radio, or Internet advertising. The ads on the television have a large audience and are very popular. The cost of the advertisement depends on the length of the ad and the time at which the ad would be appearing.

### Outdoor Advertising

3. - Outdoor advertising makes use of different tools to gain customer's attention. The billboards, kiosks, and events and tradeshow are an effective way to convey the message of the company. Therefore, outdoor advertising is an effective advertising tool.

### Covert Advertising

4. - This is a unique way of advertising in which the product or the message is subtly included in a movie or TV serial. There is no actual ad, just the mention of the product in the movie. For example, Tom Cruise used the Nokia phone in the movie Minority Report.

### Public Service Advertising

5. - As evident from the title itself, such advertising is for the public causes. There are a host of important matters such as AIDS, political integrity, energy conservation, illiteracy, poverty and so on all of which need more awareness as far as general public is concerned. This type of advertising has gained much importance in recent times and is an effective tool to convey the message.

### Objectives and Importance of Advertising

Advertising is the best way to communicate to the customers. Advertising helps informs the customers about the brands available in the market and the variety of products useful to them. Advertising is for everybody including kids, young and old. It is done using various media types, with different techniques and methods most suited.

#### **Let us take a look on the main objectives and importance of advertising.**

**Four** main Objectives of advertising are:

- i. Trial
- ii. Continuity
- iii. Brand switch
- iv. Switching back

Let's take a look on these various types of objectives.

- 1. Trial:** the companies which are in their introduction stage generally work for this objective. The trial objective is the one which involves convincing the customers to buy the new product introduced in the market. Here, the advertisers use flashy and attractive ads to make customers take a look on the products and purchase for trials.
- 2. Continuity:** this objective is concerned about keeping the existing customers to stick on to the product. The advertisers here generally keep on bringing something new in the product and the advertisement so that the existing customers keep buying their products.
- 3. Brand switch:** this objective is basically for those companies who want to attract the customers of the competitors. Here, the advertisers try to convince the customers to switch from the existing brand they are using to their product.
- 4. Switching back:** this objective is for the companies who want their previous customers back, who have switched to their competitors. The advertisers use different ways to attract the

customers back like discount sale, new advertise, some reworking done on packaging, etc.

**Basically, advertising is a very artistic way of communicating with the customers. The main characteristics one should have to get on their objectives are great communication skills and very good convincing power.**

### **Importance of Advertising**

Advertising plays a very important role in today's age of competition. Advertising is one thing which has become a necessity for everybody in today's day to day life, be it the producer, the traders, or the customer. Advertising is an important part. Let's have a look on how and where is advertising important

- 1. Advertising is important for the customers-** Just imagine television or a newspaper or a radio channel without an advertisement! No, no one can any day imagine this. Advertising plays a very important role in customer's life. Customers are the people who buy the product only after they are made aware of the products available in the market. If the product is not advertised, no customer will come to know what products are available and will not buy the product even if the product was for their benefit. One more thing is that advertising helps people find the best products for themselves, their kids, and their family. When they come to know about the range of products, they are able to compare the products and buy so that they get what they desire after spending their valuable money. Thus, advertising is important for the customers.
- 2. Advertising is important for the seller and companies producing the products-** Yes, advertising plays very important role for the producers and the sellers of the products, because
  - a. Advertising helps increasing sales
  - b. Advertising helps producers or the companies to know their competitors and plan accordingly to meet up the level of competition.
  - c. If any company wants to introduce or launch a new product in the market, advertising will make a ground for the product. Advertising helps making people aware of the new product so that the consumers come and try the product.
  - d. Advertising helps creating goodwill for the company and gains customer loyalty after reaching a mature age.
  - e. The demand for the product keeps on coming with the help of advertising and demand and supply become a never ending process.
- 3. Advertising is important for the society-**Advertising helps educating people. There are some social issues also which advertising deals with like child labour, liquor consumption, girl child killing, smoking, family planning education, etc. thus, advertising plays a very important role in society.

**SARV BHARDWAJ**  
**BBA-Ist Year**



## BUSINESS / INTERPERSONAL COMMUNICATION

When talking about communication it has played as very vital role in our development as humans. It has helped us advance in future from our primitive stage and now has become an important part of both our social as well as work life.

Today our existence and advancement can't be thought of without effective interpersonal communication. In every field of business be it personnel, finance or sale much depend upon the efficiency and effectiveness of communication as it serves as a very important link between various parts of an organization. Therefore, the concept has an important place in modern globalized world and today you are further going to read what a layman or professional should know about it.



So, communication is derived from a Latin word “communis” meaning common. It means interchange of thought ,opinions, information by speech or writing or signs. But interpersonal communication is one in which there is transfer of information and understanding between different part and people of a business organization. It further consists of various modes and media for communication interchange.

When talking about it further, it should be concise and accurate to produce desired response without any ambiguity. It also serves various internal function such as providing info to management, giving order to worker and maintaining moral of employee. Then external function such as to maintain good relation with all outsider parties, to do good marketing and to report business operation etc.

This communication can be both verbal or non-verbal and involves following component in same order. The stimulus which is an event that create with an individual the need to communicate, the filter which means the unique perception of which message would be made off, meaning the info to be communicated, the medium include the way in which message would be send for example by telephone, report or e-mail etc and the at last the destination where the message reach the receiver and he decodes it with his understanding and give feedback.

Further there are many barrier in this process which every organization and before organization on individual faces. These barriers could be related to difference in backgrounds, emotions, rules and regulations of organization, lack of facilities to communicate, wrong choice of words etc.

Thus, in order to be a successful organization and before that a successful individual these barriers need to be removed by choosing right communication mode, proper feedback, knowing your purpose to communication and not over exaggerating etc.

Now you know much about business communication but here comes the bonus point. Below I am listing down some habit of good communicators which you can follow in your daily and work life to be more confident.

- Speak clearly
- Listen attentively
- Write clearly
- Question precisely, and
- The most important pause for feedback signals.

**Devansh Rastogi**

BBA II

# GLIMPSES OF COLLEGE ACTIVITIES



Poster Making Competition on the occasion of World Human Rights Day



Principal participating in signature campaign



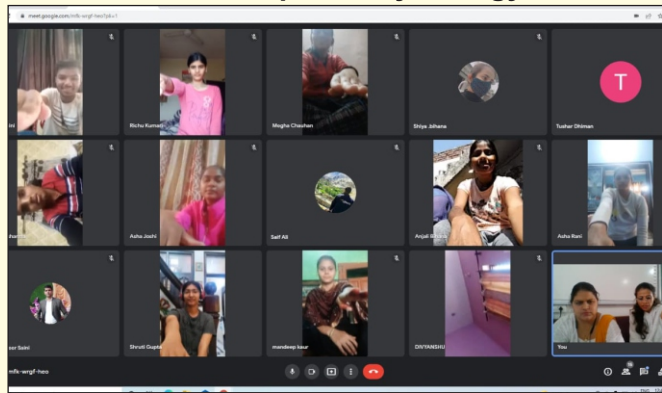
Principal Receiving Harit Award



Retirement of Mr. Sajjan Singh, Head, Dept. of Psychology



Selfie with Daughter- Celebration of National Girl Child Day



Students taking Oath for Non-Use of Tobacco



Students Performing Yoga



Students Performing Yoga



# GLIMPSES OF COLLEGE ACTIVITIES



NSS Tour



Blood Donation Camp



Celebration of Smriti Diwas



Celebration of World Citizen Day



Honouring the student for clearing UGC-NET exam



Participants of Photography Exhibition



Martyrdom Day



Martyrdom Day



# *Science Section*

*Staff Editor*

***Dr. Niyti***

*Student Editor*

***Kashish***

*B.Sc. II*



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## *Editorial*

It gives me immense joy and satisfaction to finally bring out the Science Section of our very own college magazine “Gandhi Path”. Just like the Gods and the Asuras churned the ocean of milk to extract the nectar, we have tried to churn out creativity from this mess of science. A lot of effort has gone into the making of this section and we sincerely hope you will like it. This section represents the creative side of our students to a fair degree-something that we think we all need to reconnect with.



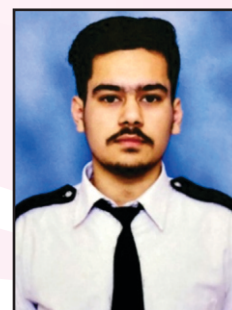
We hope you enjoy reading this issue as much as we have enjoyed making it.

Happy Reading!

Dr. Niyti,  
Assistant Professor,  
Department of Physics

## *Student Editorial*

Gandhi Memorial National College, Ambala Cantt. publishes its magazine "GANDHI PATH" annually. This magazine gives the way of life of students, their creativity and activities. This magazine is a platform that exhibits the literary skills and innovative ideas of teachers and students. Science section of "GANDHI PATH" presents the dedication of students and contributions of teachers. I hope readers will enjoy reading this edition and appreciate the efforts of contributors.



Thank you

Kashish  
B.Sc. II

# ROBOTS

What do you think about 'Robots'? If you think they are only stuff of space movies and science fiction novels then think again. Robots are the largest growing technological device in the world. Robots are controlled by a computer program or electronic circuitry. They may be directly controlled by humans. The definition of the word robot has a different meaning to many people. According to Robot Institute of America 1979, a robot is re-programmable multi-functional manipulator designed to move material, parts, tool or specialized device through various programmed motions for the performance of a variety of tasks. The use of robots continues to change numerous aspects of our everyday life such as



health care, education. Robots are going to be a major part of the world economy, they help ways to make our daily life easier and assist in producing more products. The use of robotics technology has made an impact on the world in several ways. As technological advances continue, research design and building new robots serve various purposes whether domestic, commercial or military.

- **History--** The most successful robot designs in the 20th century were not made to look like people. They were designed for use. George Devol made the first of these, the Unimate, in 1954, with one arm and one hand. General Motors bought it in 1960. The next year, it started work in a factory in New Jersey, lifting and stacking pieces of metal that were too hot for people to touch. Modern robots have many uses. Many factories use robots to do hard work quickly and without many mistakes. They do not look like people, because they are made to do things. These are 'industrial' robots. Some robots find and get rid of bombs. If someone makes a mistake, the robot is damaged or destroyed, which is better than a person being killed. There are also robots that help at home, to vacuum or run a lawn mower, for example. Such robots must learn about the area of work.
- **Uses of Robots--** In the modern world one can find robots anywhere, even in daily life:  
1) Robot vacuum cleaner: With a few instructions, the vacuum cleaner can clean the entire floor surface with no human intervention.  
2) Robot lawn mower: Again the owner can set a few instructions, and the entire lawn will be mowed while the owner can tend to other tasks.  
3) Drones: They are being developed as a surveillance device or for delivery of small items such as pizzas, etc.  
4) In factories, robots are used to set up assembly lines to minimize human labor. A lot of computer programs use robots to hack into other people's computers or software.
- **Benefits of Robots Benefits**
  - \* The robots can go far down into the obscure spots where the people would be squashed.
  - \* The robots can play out the assignments quicker than the people and substantially more reliably and precisely.
  - \* The majority of robots are programmed in such a way that they can move with no human impediment.
  - \* You can utilize the robots to create the items in the manufacturing plants, for example, collecting the autos.

**Khushi**

B.Sc. I (Electronics)



## ASTEROIDS

Asteroids were first discovered in 1801 and since then, there have been over 150 million discovered asteroids measuring over 100 meters in size. The first asteroid to be discovered was Ceres which is also the largest asteroid in our solar system.



- I. Asteroid-in-space** - Asteroids are the solid objects mostly made of rocks and metals. They are irregular in shape and have varying sizes from a few meters to a few hundred kilometers. Asteroids in our solar system mostly orbit around the Sun and are different from comets, moons, and planets.

Most of the asteroids in our solar were formed along with the formation of the planets around 4.5 billion years ago. Due to this reason, asteroids can be studied to find the condition of the newly born solar system.

- II. Composition of Asteroids asteroid-in-space-** Asteroids are the solid objects mostly made of rocks and metals. They are irregular in shape and have varying sizes from a few meters to a few hundred kilometers. Asteroids in our solar system mostly orbit around the Sun and are different from comets, moons, and planets.

**III. What is an Asteroid ?**

There are various types of asteroids that are in different parts of the solar system. So their composition also varies between rocky, icy, and metallic. Most of the asteroids have rocky composition along with metals. There are also many asteroids whose surface is covered with ice. The ice can be made of various substances, e.g. water, carbon dioxide, and ammonia.

**IV. Types of Asteroids :-**

Asteroids can be categorized in various ways, e.g. according to their size, color, and composition. But according to their composition, there are 3 main types of asteroids which are carbon, metallic, and stony asteroids.

Carbon Asteroids – These asteroids are black in color due to the high percentage of elemental carbon; they contain around 75% carbon. Metallic Asteroids – Most parts of these asteroids are metallic along with some rocky surfaces. There are various metals from which they are formed, but most common are iron and nickel. Stony asteroids are made of silicate materials and nickel-iron.

**Hardik**

B.Sc. I (Electronics)

## FORMATION OF RAINBOW

The rainbow is one of God's most adored creations, perhaps due to its multiple colors and unique shape. In most traditional societies the rainbow is used to convey information about the changes in weather. For instance, some African communities believe that if a rainbow appears in cloudy weather, chances of rainfall are narrow.



### How is the Rainbow Formed?

Earth, just like the other planets, relies on the sun for lighting purposes. The rays of the sun that are emitted towards the earth are comprised of multiple colors, such as green, red, and yellow, among many others. When the rays of sun land on the surface of the earth, they cause the temperatures of the earth to increase, leading to evaporation of water in the water bodies such as rivers and lakes.

When the water is evaporating, and by any chance it comes into contact with the rays of the sun, that is when the rainbow is formed. When the sun rays land on any given water particle, the multiple colors are dispersed. Since water is opaque, it allows the sun rays to penetrate and exit on the rear end of the water particles.

However, there are some rays that are bent by the water particles and the light that is bent is what is seen as the rainbow. The sun releases the rays in wavelengths: the sun rays are emitted in varied wavelengths, meaning that they travel at different strengths. Therefore, the strength of the wavelength is what dictates the color to be assigned to any given ray. The sun is a million miles away from the earth, but amazingly the rays that are emitted are parallel to one another and the space between them can never be overlapped until they land on an object. The rays that have short wavelength are blue, and alternatively the rays that have long wavelength are red in color.

Moreover, the bending of sun rays is influenced by their wavelength. In fact the colors that we see in a rainbow are not all because the ones that are not strong enough are not bent, and thus they are not displayed in the rainbow. Usually, the rainbow has seven colors: red, orange, yellow, green, blue, indigo, and violet.

Rainbows are usually visible during the day towards the evenings, and maybe if the clash between the sun rays and water particles took place before afternoon, say like at around lunch time, it would not be possible for us to see the rainbow. The timing of a rainbow is very crucial because towards the evening the sun is usually headed to the east, thus its rays do not cover the entire surface of the earth.

**Aanchal Sharma**

M.Sc. (Maths) I

## LIFE WITHOUT MODERN GADGETS

Technology has become a very important part of our lives nowadays. In the past few years, technology has evolved in many ways and without a doubt is even better than before. People are always developing something new that will improve human lives dramatically. Some of the creations that have changed our lives for good are the computer, telephone, mobile phone, tablet, internet, electronic and voice mail, etc.



What used to be bulky, expensive and at times, unreliable machines, gadgets now are faster, smaller and so affordable that every family member owns numerous of them. Needless to say, modern day gadgets are more of a necessity than a luxury. These days, it may seem, people have enslaved themselves to the modern day gadgets. This is why it is hard to imagine a life without them. They help people socialize, stay in touch with the world, world events, etc.

Modern day gadgets even make shopping an efficient and convenient experience and send messages and mails quicker than the postal service. Friends and relatives living in different parts of the world seem a lot closer all thanks to modern gadgets, such as web cam, etc.

Therefore, it is suffice to say that life without modern gadgets would slow down and become less efficient. Science has made life easy, convenient, comfortable, better and more beautiful. Its achievements, discoveries and inventions are wonderful. One we cannot think of our lives without gadgets as we would just be helpless without them. Every device or appliance has a unique purpose. They have revolutionized our life so much that without them we feel handicapped. Beginning from kitchen, gadgets like mixer, microwave oven, refrigerator and water purifier have proved to be a boon. Cell phones are the center of our life, have huge potential, we can listen to our favorite music while travelling and need not carry heavy radios.

Our life starts with the sound of an alarm clock, so we can say that our day begins with gadgets. They work as our personal assistant. In offices, meetings, trainings and all, we are dependent on them. Even at the shops, libraries, railways, banks, airports, a computer is required for booking tickets and keeping accounts. If for a day our internet does not work, we feel paralyzed. It feels as if something important is missing from our lives. Thus, these gadgets have left a remarkable impact on our lives and we cannot work or go without them.

**Amiti**

B.Sc. II (C.Sc.)

## GLOBAL WARMING

Global Warming is definitely the single greatest environmental challenge that the planet earth is facing at present. It is essential to understand the gravity of the situation. The fuel which you use in order to power your homes, cars, businesses and more is heating up the planet faster than expected. We are recording the hottest days and decades ever. What's alarming is that the temperature of the earth has climbed to the highest point it has ever been in the past 12,000 years.



### ● Impact of Global Warming

As the planet is getting hotter, we need to collectively act right now instead of waiting for more. The primary cause of global warming is fossil fuels. Human beings are addicted to burning them which produces coal, oil, greenhouse gases and more.

The power plants, cars, and industries produce Carbon dioxide which stays in the atmosphere for 5 decades or more. This is the reason why the temperature of the earth rises.

Due to this rise in temperature, the oceans are rising and the coral reefs are dying. Many aquatic species are going extinct while the glaciers are melting. Further, the Greenland and Western Antarctic ice sheets are at great risk of melting completely. Please note that these two ice sheets presently hold around 20% of the Earth's freshwater. The rise in sea levels will damage the coastal areas globally. Moreover, the regularity of hurricanes, tornadoes, and others may become more volatile spreading malaria and other deadly diseases.

### ● Ways to Tackle Global Warming

The time is now to do something to prevent global warming, otherwise, it will be irreversible. Electricity and transportation contribute largely to global warming, so we must begin there. It is important to note that there is no silver bullet and we must all come together to tackle global warming as a whole. Every home, business, industry, individual effort is required to tackle this crisis.

As coal produces tons of Carbon dioxide annually, we need to find ways to clean up coal. We can also tackle global warming by beginning with putting agriculture in the system. We must encourage farmers to adapt to greener farming practices. For instance, they must till land less often, and plant trees on vacant land.

Moreover, the same regime needs to be applied to other industrial producers of carbon dioxide. For instance, the transportation industry of cars, trucks, planes and more produce 28% of the carbon dioxide emissions. Thus, we must reduce these emissions by enhancing the fuel efficiency of the vehicles. Also, it is high time we got rid of oil and gasoline-based fuels and opt for greener alternatives.

**Kirti**

B.Sc. II (Non-Medical)



## HIGGS BOSON

Higgs boson is a particle. This particle show the presence of Higgs field. It is not a farming field but a invisible type of field which pervades the whole universe. It pervades the whole universe but we cannot see it just like air. We only detect the presence of air with very complex machines like our body, so its very difficult to detect that Higgs field is there or not because we cannot see it.



The role of this Higgs field is to give mass to all elementary particles. Elementary particles are the particles which have no structure, they can't be divided further. They are the building blocks of our universe. You might think that that the smallest particles are atoms but they are not. Atoms are made up of electrons, protons and neutrons. These electrons are fundamental particles but neutrons and protons are made up of fundamental particles called quarks. Our current understanding is called a standard model. In it there are two types of fundamental particles ,the fermions that make up matter and the bosons that carry forces. We often order there particles on their properties such as mass. But we really never knew where this mass came from or why they have mass. Well, when a particle passes through Higgs field it interacts with it and get mass, the more it interacts the more mass it has. If there is no Higgs field then nothing would exist. Just imagine you drop something in water. The water shakes and form a splash. The particle also get some energy from it and the splash is the Higgs boson itself. In fact all particles are excitation of fields.

So in 1964 a group of scientists including PETER HIGGS give the idea of Higgs particles. This idea helped in building world famous Large Hadron Collider(LHC) in Geneva, Switzerland leaving tracks for subatomic particles that scientists can study. And on rare occasions a Higgs boson can also be seen. This event finally occurred on July 4<sup>th</sup> 2012. Now we know that the Higgs boson actually exists. But this Higgs boson lives only for a short time before it breaks down and decays into lighter more stable particles. By measuring these particles we learn about the properties of the boson. And we are studying that these boson fits is standard model or helps in creating more models. That's how science works, it replaces old models with the new ones that explains better our observations. These boson opens new paths for exploration.

Many scientists speculate that help them gains insight of dark matter which they think account for 23% of universe. And many of them believe that these particle allow us to produce new particles that have particles uses.

**Kashish**

B.Sc. II (C.Sc.)

## SCIENCE IN TERMS OF SUSTAINABILITY: THE GREAT IMBALANCE

Science, the term well justified its role in the progress of human race from "Thales" era. But, turning to modern words or present reality, it seems it failed to do same in the book of sustainable development. To justify above statement following statistics and facts can be considered helpful.



In the beginning of 1980 percentage of Carbon Dioxide( one of the greenhouse gases) was 339ppm which sharply increased to 417ppm in the end of 2020. A steep increase of 100ppm was seen after Industrial Revolution. Also the annual Greenhouse Gas Index shows that over the past decade, increase in the percentage of Carbon Dioxide is responsible for the 84% of increase in heat trapping capacity of atmosphere. And the main cause responsible for day-by-day increase in CO<sub>2</sub> is burning of fossil fuels to run various industries and other human activities.

On the other side of dice, the three recent years 2016,2017 and 2018 experienced the three highest rate of loss of Primary forests. The available data states that 6,000,000 hectares in 2016, 5,000,000 hectares in 2017 and 3,80,000 hectares in 2018 of primary forests were cleared. And the major reasons found behind this are Infrastructure development, Dam construction, Mining and Agriculture expansion.

Coming to the water scene goes like this : in 2018, the North-East monsoon(which is responsible for 10%-20% rainfall in India) decreased by 44% and the South-West monsoon (which is responsible for 80% rainfall in India) was deficient by 10%. Also during first half of the year 2019, 91 major reservoirs of the country recorded a drop of 32% in water capacity, resulting in disaster like Chennai Water Crisis. From 2007 to 2017 the continued exploitation of ground water lead to fall in it by 61% stated by the Central Ground Water Board. Other causes of scarcity are Climate change, Increased corporate privatization and Improper disposal of Industrial waste in water bodies.

So, after studying the above data, we can realize that we have reached too far with the pace that science provided us and continuously providing. But in all this time no attention was given to sustainable development. Because till now it was choice but now it has become the need of hour. Time has come to give importance to Environmental Science along other branches of science.

Science has given us beautiful past and present, also it contains the potential to make our future beautiful.

**Aryan**  
B.Sc. II (Non-Medical)

## BLACK HOLE

Black holes are some of the strangest and most fascinating objects in outer space. They're extremely dense, with such strong gravitational attraction that even light cannot escape their grasp if it comes near enough. Albert Einstein first predicted the existence of black holes in 1916, with his general theory of relativity.

The term "black hole" was coined many years later in 1967 by American astronomer John Wheeler. After decades of black holes being known only as theoretical objects, the first physical black hole ever discovered was spotted in 1971.



So far, astronomers have identified three type of black holes:-

1. Stellar black holes
2. Super massive black holes
3. Intermediate black holes

### ● **Stellar black holes — “Small but deadly”**

When a star burns through the last of its fuel, the object may collapse, or fall into itself. For smaller stars (those up to about three times the sun's mass), the new core will become a neutron star or a white dwarf. But when a larger star collapses, it continues to compress and creates a stellar black hole.

Black holes formed by the collapse of individual stars are relatively small, but incredibly dense. One of these objects packs more than three times the mass of the sun into the diameter of a city. This leads to a crazy amount of gravitational force pulling on objects around the object. Stellar black holes then consume the dust and gas from their surrounding galaxies, which keeps them growing in size.

### ● **Supermassive black holes — “The birth of giants”**

Small black holes populate the universe, but their cousins, supermassive black holes, dominate. These enormous black holes are millions or even billions of times as massive as the sun, but are about the same size in diameter. Such black holes are thought to lie at the center of pretty much every galaxy, including the Milky Way. Supermassive black holes may be the result of hundreds or thousands of tiny black holes that merge together. Large gas clouds could also be responsible, collapsing together and rapidly accreting mass. A third option is the collapse of a stellar cluster, a group of stars all falling together. Fourth, supermassive black holes could arise from large clusters of dark matter. This is a substance that we can observe through its gravitational effect on other objects; however, we don't know what dark matter is composed of because it does not emit light and cannot be directly observed.

### ● **Intermediate black holes — “Stuck in the middle”**

Scientists once thought that black holes came in only small and large sizes, but recent research has revealed the possibility that midsize, or intermediate, black holes (IMBHs) could exist. Such bodies could form when stars in a cluster collide in a chain reaction. Several of these IMBHs forming in the same region could then eventually fall together in the center of a galaxy and create a supermassive black hole.

"Astronomers have been looking very hard for these medium-sized black holes," study co-author Tim Roberts, of the University of Durham in the United Kingdom, said in a statement. "There have been hints that they exist, but IMBHs have been acting like a long-lost relative that isn't interested in being found."

**Prashant Sharma**

B.Sc. II (C.Sc.)

## SCIENCE OF YOGA

Yoga is the product of perennial wisdom of India. It is considered as science of breathing and is developed by observing basic aspects of nature. It is reflected in various asanas and postures of yoga. Yoga is leading to harmony which is an amalgam of purpose of life and method of living. It has various aspects like asanas , pranayama , dhyana which balance endocrine and nervous system. This balance is very much required for the overall maintenance of internal organs of the body.



Yoga improves overall functioning of body parts. It acts as effective stress buster and improves circulation of blood in the body. It brings about better neuro-muscular coordination and strengthens the immunity of the body. It makes all the necessary corrections in different aspects of well being i.e. physical, social and psychological health. It enhances the endurance to face abnormal situations.

Biochemically, yoga has numerous positive effects on body fluids. It decreases the glucose and sodium level in the blood. Cholesterol types like VLDL are decreased by yoga.

Hemoglobin content and level of thyroid hormones are maintained by yoga. Yoga also has influential effect on the metabolism of calcium and other nutrients. Physiologically, yoga stabilizes the autonomic nervous system. It maintains the pulse and respiratory rate. It increases the cardio-muscular efficiency. Digestive enzymes and hormones are secreted in normal quantity.

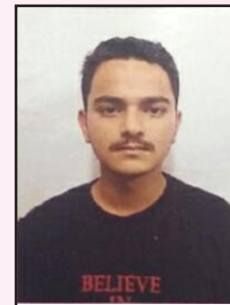
Meditation and Pranayama is very effective in anxiety and stress disorders. Meditation helps in balancing neurotransmitters. It is found to be associated in treating various chronic diseases. Practice of meditation increases activity in left prefrontal lobe of the brain – an area associated with positive emotions, self control and calm temperament. In Pranayama, the free acid radical content in the blood reduces because of reduced oxidation process. It reduces the secretions of stress hormones and maintains the Basal Metabolic Rate.

**Shelly Birla**  
B.Sc. II (Non-Medical)



## SUPER MOON

The moon isn't always exactly the same distance from Earth, because its orbit isn't perfectly circular. We call the closest point perigee, and the most distant point is apogee. 2018's closest perigee and most distant apogee both happened in January, and the difference was about 30,000 miles. The average distance between the two bodies is about 238,855 miles, so while not insignificant, this shift is far from earth-shattering.



The reason you care about this middling change in distance is that it turns a moon super. When a full moon happens close to perigee, it's going to look some what bigger. Honestly, the difference is not that profound, but if you're in a position to photograph the moon next to something that shows the slight increase in scale, it can look pretty cool.

Not all super moons are created equal, by the way: March 2019's super moon was super because the date of the full moon lined up with the closest the moon would get to us during March, but the moon was actually at its closest for the year in February.

A moon's super moon status is often the subject of fierce debate. This is because, as Earth-sky explains, the term super moon may have more scientific implications than terms like Blood Moon or Worm Moon, but it's still not a term with a strict and official scientific definition. In fact, it was coined not by an astronomer, but by an astrologer.

Basically, whether or not a particular moon is a super moon boils down to how different stargazers (amateur and otherwise) calculate just how relatively close a full moon has to be to be considered super.

And just to really remind you that words are meaningless and the moon is always just the moon no matter what we decide to call it, July 2019's black moon otherwise known as a new moon, which is not visible from the ground was also a super moon. Yes, the moon made its closest approach to Earth on a night we couldn't see it. Just because you can't snap a pic for your Instagram doesn't mean the moon isn't super.

**Vishal Trivedi**  
B.Sc. II

## SCIENCE FOR SOCIETY

Science is the greatest collective Endeavour. It contributes to ensuring a longer and healthier life, monitors our health, provides medicine to cure our diseases, alleviates aches and pains, helps us to provide water for our basic needs – including our food, provides energy and makes life more fun, including sports, music, entertainment and the latest communication technology. Last but not least, it nourishes our spirit.



Science generates solutions for everyday life and helps us to answer the great mysteries of the universe. In other words, science is one of the most important channels of knowledge. It has a specific role, as well as a variety of functions for the benefit of our society: creating new knowledge, improving education, and increasing the quality of our lives.

Science must respond to societal needs and global challenges. Public understanding and

engagement with science, and citizen participation including through the popularization of science are essential to equip citizens to make informed personal and professional choices.

Governments need to make decisions based on quality scientific information on issues such as health and agriculture, and parliaments need to legislate on societal issues which necessitate the latest scientific knowledge. National governments need to understand the science behind major global challenges such as climate change, ocean health, biodiversity loss and freshwater security.

To face sustainable development challenges, governments and citizens alike must understand the language of science and must become scientifically literate. On the other hand, scientists must understand the problems policy-makers face and endeavor to make the results of their research relevant and comprehensible to society.

Challenges today cut across the traditional boundaries of disciplines and stretch across the lifecycle of innovation -- from research to knowledge development and its application. Science, technology and innovation must drive our pursuit of more development.

**Ritu**

B.Sc. II (Non-Medical)

## ORGANIC FARMING AND ORGANIC FOOD

The food we eat today is assumed to be highly nutritious but very few of us know the number of chemicals that goes into cultivating that food. Let us discuss ever since there has been urbanization and industrialization, the population explosion has also been in one of the causes of concern for environmentalists and governments alike.

To fulfil the hunger of our growing population, harmful agricultural practices have been employed to increase crop production and decrease the time of production through artificial ways. These ways include the use of chemical fertilizers, harmful pesticides, fungicides, herbicides and insecticides to improve the production rate of the crops. While these techniques might help farmers to improve their yield, they are short-sighted in nature and can cause poisoning of the food we consume. Hence organic farming is the ultimate solution to prevent this disaster upon human civilization.

Organic farming is a technique in which cultivation of land takes place through sustainable manner using natural resources like air, water and soil. Organic farming does not necessarily mean that man-made chemicals are not used. In many organic farming methods, man-made fertilizers and pesticides are used not to improve crop production but to improve soil fertility. Which means that these chemicals are going directly into the soil and not into the food we consume.

The difference between organic and inorganic farming is that in organic farming the chemicals help improve soil fertility and does not percolate into the crops but in inorganic farming, the chemicals degrade the soil fertility and make the soil barren after agricultural output and also results in these chemicals percolating into the food and ultimately into our food chains.

Harmful chemicals such as zinc, lead and manganese that are present in pesticides and herbicides are consumed by human beings which can have grave dangers on our health. Some of the major advantages of organic farming are that the production of healthy and quality agricultural output is relatively more as compared to inorganic farming. Also, organic farming is environmentally friendly since it helps improve soil fertility and thereby the repeated usage of that particular patch of land for agricultural purposes is possible.

**Rahul Rana**

B.Sc. I (Electronics)



## MECHANICAL ENERGY

Have you ever wondered how a jet aircraft lifts its tremendous weight off the ground, or what gives a runner the stamina to reach the finish line in a race? In order to answer all these questions we must talk about the transformation of one sort of energy into another. The jet aircraft gets its power from jet turbines. These powerful jet engines create a high-pressure stream of very hot gases that push the aircraft forward as they leave the engine. This is an example of heat being transformed into movement. This is sometimes described as Mechanical Energy.



However, this transformation could not take place without the fuel that the aircraft gets within its wings or fuselage. Fuel is considered a source of chemical energy. Fuel can take the form of gases, solids or liquids. When fuels combine with oxygen from the air, they release their stored energy as heat. We recognize this process as burning. The individual relies on food for fuel which contains energy-giving substances that our bodies can store until we need this energy to use our muscles. When we do use our muscles within us, we may not always be sure that heat is given off.

Our bodies do not burst into flames but the perspiration on our skin is a clue to what is happening. The movement of the windsurfer has a different explanation. The windsurfer is propelled along by a sail which collects mechanical energy from the winds that sweep along the water. This energy has been produced by the sun which warms the earth's surface and sets the air above in motion. The sun's heat comes to the earth as a form of radiant energy. When the heat reaches the surface of the earth, it causes the land or seas to rise in temperature. The sun is very hot. In fact, the center of the sun can reach temperatures of up to 27 million degrees Fahrenheit.

- **Application of Mechanical Energy**

Let's now look at some examples of mechanical energy. A demolition machine is a great example of both potential and kinetic mechanical energy. The wrecking ball possesses potential mechanical energy when it is raised to a vertical position above the ground. The ball has the ability to do work due to its vertical position.

- **Conservation of mechanical energy**

According to the principle of conservation of mechanical energy, the mechanical energy of an isolated system remains constant in time, as long as the system is free of friction and other non-conservative forces. In any real situation, frictional forces and other non-conservative forces are present, but in many cases their effects on the system are so small that the principle of conservation of mechanical energy can be used as a fair approximation. Though energy cannot be created or destroyed in an isolated system, it can be converted to another form of energy.

**Sahil**

B.Sc. I (Electronics)

## HOW COVID-19 VACCINES WORK

- **The Immune System—the Body's Defense Against Infection**

To understand how COVID-19 vaccines work, it helps to first look at how our bodies fight illness. When germs, such as the virus that causes COVID-19, invade our bodies, they attack and multiply. This invasion, called an infection, is what causes illness. Our immune system uses several tools to fight infection. Blood contains red cells, which carry oxygen to tissues and organs, and white or immune cells, which fight infection. Different types of white blood cells fight infection in different ways:



- **Macrophages** are white blood cells that swallow up and digest germs and dead or dying cells. The macrophages leave behind parts of the invading germs, called “antigens”. The body identifies antigens as dangerous and stimulates antibodies to attack them.
- **B-lymphocytes** are defensive white blood cells. They produce antibodies that attack the pieces of the virus left behind by the macrophages.
- **T-lymphocytes** are another type of defensive white blood cell. They attack cells in the body that have already been infected.

The first time a person is infected with the virus that causes COVID-19, it can take several days or weeks for their body to make and use all the germ-fighting tools needed to get over the infection. After the infection, the person's immune system remembers what it learned about how to protect the body against that disease. The body keeps a few T-lymphocytes, called “memory cells”, that go into action quickly if the body encounters the same virus again. When the familiar antigens are detected, B-lymphocytes produce antibodies to attack them. Experts are still learning how long these memory cells protect a person against the virus that causes COVID-19.

- **How COVID-19 Vaccines Work**

Different types of vaccines work in different ways to offer protection. But with all types of vaccines, the body is left with a supply of “memory” T-lymphocytes as well as B-lymphocytes that will remember how to fight that virus in the future. It typically takes a few weeks after vaccination for the body to produce T-lymphocytes and B-lymphocytes. Therefore, it is possible that a person could be infected with the virus that causes COVID-19 just before or just after vaccination and then get sick because the vaccine did not have enough time to provide protection. Sometimes after vaccination, the process of building immunity can cause symptoms, such as fever. These symptoms are normal and are signs that the body is building immunity. Getting vaccinated is one of many steps you can take to protect yourself and others from COVID-19. Protection from COVID-19 is critically important because for some people, COVID-19 can cause severe illness or death. Thus vaccines work with your immune system so your body will be ready to fight the virus if you are exposed.

**Aanchal Sharma**

M.Sc. I (Maths)



## PHOTOCHEMISTRY

Photochemistry is the study of the interaction of electromagnetic radiation with matter resulting into a physical change or into a chemical reaction.



- **Primary Processes**
- One molecule is excited into an electronically excited state by absorption of a photon, it can undergo a number of different primary processes.
- Photochemical processes are those in which the excited species dissociates, isomerizes, rearranges, or react with another molecule.
- Photo physical processes include radiative transitions in which the excited molecule emits light in the form of fluorescence or phosphorescence and returns to the ground state, and intramolecular non-radiative transitions in which some or all of the energy of the absorbed photon is ultimately converted to heat.
- **Laws Governing Absorption of Light Lambert's Law**
- This law states that decrease in the intensity of monochromatic light with the thickness of the absorbing medium is proportional to the intensity of incident light.

$$-dI/dx \propto I$$

$$-dI/dx = KI,$$

on integration changes to

$$I = I_0 e^{-Kx}$$

Where,

$I_0$  = intensity of incident light.  $I$  = intensity of transmitted light.  $K$  = absorption coefficient.

- **Beer's Law:** It states that decrease in the intensity of monochromatic light with the thickness of the solution is not only proportional to the intensity of the incident light but also to the concentration 'c' of the solution.

$$\text{Mathematically, } -dI/dx \propto Ic$$

$$-dI/dx = \epsilon Ic \text{ on integration}$$

$$I = I_0 e^{-\epsilon CX}$$

Where,  $\epsilon$  = molar absorption coefficient or molar extinction coefficient

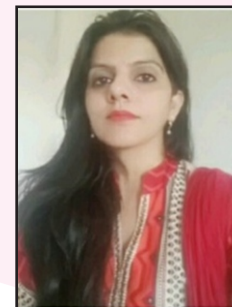
- **Grotthuss-Draper Law (First Law of Photochemistry):** Only the light which is absorbed by a molecule can be effective in producing photochemical changes in the molecule.
- **Stark-Einstein's Law (Second Law of Photochemistry):** It states that for each photon of light absorbed by a chemical system, only one molecule is activated for a photochemical reaction. The energy absorbed by one mole of the reacting molecules is  $E = N h \nu$ . This energy is called one Einstein.

**Dr. Neha Aggarwal**

Assistant Professor

## MOTIVATION AND EMOTIONS: A BIOLOGICAL PERSPECTIVE

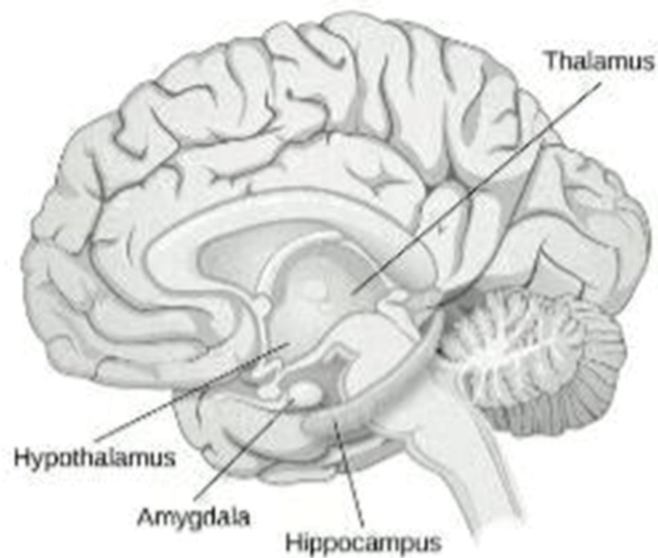
Psychology is the study of human behaviour and mental processes. Affect, behaviour and cognitions are interlinked with each other and these words have been used interchangeably. Affect is basically the experience of emotion or feeling. Emotions and motivation are the two important components of affect. Goal is an important aspect of motivated and emotional



behaviour. Both words, motivation and emotions have their basis in Latin word “to move”. Thus, motivation and emotion are the two psychological variables that drives the behaviour of individuals. Motivation is considered as a driving force that is responsible for directing behaviour. Motivation can be biological like food or water, and it can also be psychological, where individuals seek social acceptance and approval. Moreover, motivations can be intrinsic which are self-rewarding and extrinsic where some external reward is expected. Motivation can thus be considered as the behavioural response or a tendency to minimize the drive and towards the achievement of a desired goal.

The biological theory of motivation suggests that the levels of motivation are handled by neural patterns. It is due to subconscious drives that individuals feel competitive and seek excellence in achieving something. Motivated behaviours have also been recognized as the biological instincts according to the Instinct Theory. However, another theory that explains behaviour is Drive Reduction Theory. According to this perspective, motivated behaviour is the tendency of the individuals to lower down the tension produced by drives as triggered by various sensations. Sympathetic division of Autonomic Nervous System is responsible for arousal, which is a kind of bodily response with respect to motivation and emotions. The biological basis of motivation and emotion helps in the better understanding of behaviour. It is due to arousal that the sympathetic nervous system provides energy to respond to environmental demands. Consequently, extra sugar is placed in the bloodstream through liver and more blood is pumped by the heart. There is dilation of pupil and breathing or respiration increases. Moreover, stress hormones, epinephrine and norepinephrine are released.

Emotion is a physiological feeling state and has an adaptive role. Joy, sadness, anger, surprise, fear and guilt are some of the emotions. Emotions carry a valence i.e. they can be positive or negative. Joy is a positive or pleasant emotion, whereas sadness has been categorized as an emotion with negative valence. Productiveness is another characteristic, where surprise is unpredicted and guilt is a predictable response. There are a number of theoretical basis about the formation of emotions.



**Figure 1: Showing the Limbic System**

The area of brain that is responsible for emotions is known as limbic system. Hypothalamus, thalamus, amygdala and hippocampus constitutes the limbic system. Hypothalamus is responsible for the activation of SNS i.e. sympathetic nervous system and hippocampus has the role of integrating emotional experiences with memory or cognition. Hypothalamus is linked with the expression of emotions. Amygdala of limbic system is particularly related with emotional regulation. The emotional content or the information initially goes to thalamus and then to the amygdala. Amygdala does the processing of content and signals are later sent to hypothalamus. Amygdala is composed of basolateral complex and central nucleus, where basolateral complex is connected with sensory zones and central nucleus is related to attention. Hypothalamus further activates the autonomic nervous system. Damage to amygdala may result in inefficiency towards emotional reactions, especially results in the inappropriate processing of fear. Understanding the behavioural pattern suffice the psychotherapists, but the psychiatrists need to understand the biological basis of behaviour in order to prescribe medicines. Moreover, eclectic approach is adopted for the treatment of disorders and mental processes. Thus, the need to understand the biological basis of behaviour is more relevant for the well-being and quick recovery of the patients.

**Dr. Anupama Sihag**  
*Assistant Professor*  
*Department of Psychology*

## “THE LAWS OF NATURE ARE BUT THE MATHEMATICAL THOUGHTS OF GOD” – EUCLID

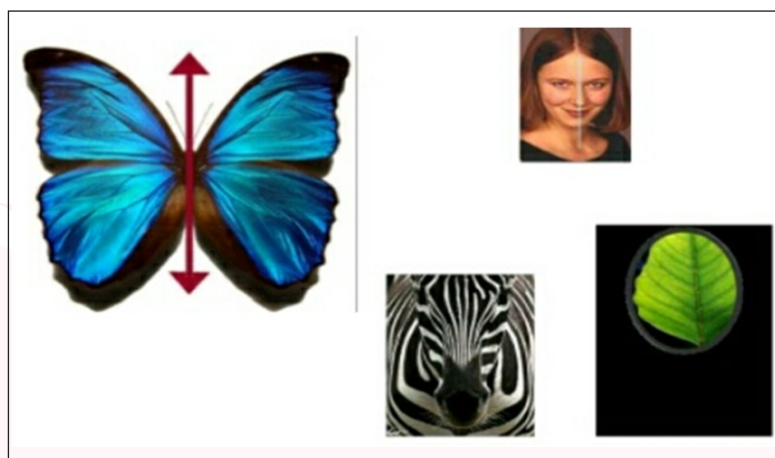
Mathematics is all around us. As we discover more and more about our environment we see that nature can be described mathematically. The beauty of flower, the majesty of a tree, the rocks etc. exhibit sense of symmetry. Let's see our nature mathematically:



- **Shapes:** Earth is the perfect shape for minimizing the pull of gravity on its outer edges- a sphere (although centrifugal force from its spin makes it oblate spheroid, flattened at top and bottom). Geometry is the branch of Mathematics that describes such shapes. For a Beehive, close packing is important to maximize the use of space. Hexagon fit closely together without any gaps so hexagonal wax cells are what bees create to store their eggs and larvae. Many examples of **Fibonacci spiral** can be seen in nature including in the chambers of nautilus shell, pine apple, branches of trees as shown in figure:



- **Symmetry** is everywhere in nature. Symmetry is when a figure has two sides that are mirror images of one another. The human body, butterfly, leaves are the excellent examples that has bilateral symmetry.





- **Radial symmetry** is rotational symmetry around a fixed point known as the center. Starfish, sea anemones, jellyfish, spider web and some flowers have radial symmetry



**Dahlia**

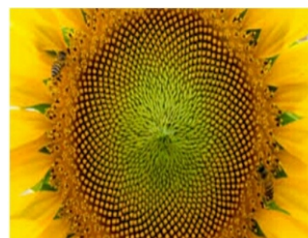


**Spider Web**

- **Starfish** provide us a Dihedrals 5 symmetry. Not only we have 5 rotations of 72 degrees each but also have 5 lines of reflection. The ratio of consecutive numbers in the Fibonacci sequence approaches a number known as The Golden ratio or phi. The aesthetically appealing raition is found in much human architecture and plant life. **A golden spiral** formed in a manner similar to the Fibonacci spiral can be found by tracing the seeds of sunflower from the center outwards.



**Starfish**



**Golden spiral**

A Fractal is never ending pattern. Fractal are infinitely complex patterns that are self similar across different scales. They are created by repeating a simple process over and over in an ongoing feedback loop. **Araucaria araucanaplant** show the **fractal** nature of math



Mathematics is everywhere in this universe. We seldom note it. We enjoy nature and are not interested in going deep about what mathematical idea is in it. Mathematics expresses itself everywhere in all most every facet of life- in nature all around us.

**Ms. Rashminder Kaur**

Department of Mathematics

## MAJOR ACHIEVEMENTS OF SRINIVASAN RAMANUJAN



- Ramanujan discovered a series for calculating  $\pi$  that converges rapidly. His formula computes further eight decimal places of  $\pi$  with each term in the series.
- Ramanujan published a paper titled "On certain Arithmetical Functions". In this paper he has proved three conjectures. His first two conjectures were later used to develop Hecke's theory. Third conjecture also known as Ramanujan conjecture played a pivotal role in the Langlands program.
- A partition of positive integer  $n$  is the no. of ways the integer can be expressed as a sum of positive integers. Ramanujan along with G.H. Hardy invented the circle method which gave the first approximations of partition of numbers beyond 200.
- Ramanujan gave the remarkable congruences for the partition function  $p(n)$ .



$$P(5n+4) \equiv 0 \pmod{5}$$

$$P(7n+4) \equiv 0 \pmod{7}$$

$$P(11n+6) \equiv 0 \pmod{11}$$

Ramanujan's work on partition theory has applications in particle physics and probability theory.

- Ramanujan did groundbreaking research related to Fermat's last theorem which states that if  $n$  is a whole number greater than two then there are no whole numbers  $x, y$  and  $z$  such that

$$x^n + y^n = z^n$$

- Ramanujan discovered an object more complicated than elliptic curves which was later named as K3 surfaces by Andrew Wiles. K3 surfaces play key role in String theory and quantum physics.

- Ramanujan extensively studied Theta functions. These functions has several important applications. It is used to determine the critical dimensions in Bosonic string theory, superstring theory and M-theory.

**Sujata Goyal**  
Assistant Professor  
Department of Mathematics

## CORONA VIRUS

Coronavirus is a large family of viruses which may cause illness in humans and animals. In humans this virus cause respiratory infections ranging from common cold to more severe diseases. We also called it Covid-19 ("CO" means Corona , "VI" means Virus and "19" is the year in which it appeared). The new virus and disease were unknown before the outbreak in Wuhan, China in December 2019. Coronaviruses vary significantly in risk factor. Some can kill more than 30% of those infected and some are relatively harmless ,such as the common cold. The most common symptom of Covid-19 are fever ,tiredness and dry cough. In most cases infection can cause pneumonia, severe acute respiratory syndrome and even death. Coronavirus affects older people and those with co-morbidities more as their immunity is low. It spreads from being in contact with a Corona positive patient even only with a touch. We can reduce the chance of being infected or spreading covid-19 by taking some simple precautions like:-



- Regularly clean hands with an alcohol based hand rub or wash them with soap and water.
- Keep a safe distance of at least one meter from people and always wear a mask. The virus is contained in saliva droplets and can be transmitted by breathing at long range.
- Avoid touching eyes, nose and mouth because hand touch many surfaces and can pick up viruses.
- Avoid shaking hands and hugging and covering nose while sneezing and cough by bend elbow or tissue.

**Amiti**  
B. Sc. II (C.Sc.)



## उज्ज्वल प्राण का लावण्य का जा.एन.एन.

### कालेज को मिली ए++ रैंकिंग

अम्बाला छावनी, 1 जून (कोचर): कुश्केत्र विश्व विद्यालय के अंतर्गत आने वाली संस्थाओं में नैक के नए तरीके के मूल्यांकन में केंद्र के जी.एम.एन. कालेज ने 3.56 रैंकिंग के साथ ए++ रैंकिंग प्राप्त की है।



डा. सुदर्शन गासो को पुरस्कार देकर सम्मानित करते मुख्यमंत्री मनोहर लाल खट्टर।

## गाया गभारपाल परमल फालज फ ज. पुस्तक

### गासो को मिला संतोख सिंह पुरस्कार

मुख्यमंत्री ने पुरस्कार देकर किया सम्मानित  
अम्बाला छावनी, 24 फरवरी (कोचर): स्थानीय गांधी मेमोरियल नेशनल कालेज, अम्बाला छावनी में पंजाबी विभाग के अध्यक्ष डा. सुदर्शन गासो को हरियाणा पंजाबी साहित्य अकादमी पंचकुला द्वारा 'बडीगढ़ के टगोर थियटर में आयोजित पुरस्कार वितरण समारोह' में हरियाणा के मुख्यमंत्री मनोहर लाल खट्टर द्वारा वर्ष 2015 के लिए 'संतोख सिंह पुरस्कार देकर सम्मानित' किया गया।

## दस विद्यार्थ्या न मारट

### सूची में बनाई जगह



वार्षिक परीक्षा में मेरि सूची में स्थान प्राप्त करने वाले विद्यार्थियों के साथ शिक्षक।

## जी.एम.एन. कॉलेज के संस्कृत विभाग ने के.यू.के. के मानचित्र पर 2 पेटेंट प्रकाशित कर नया कीर्तिमान बनाया

अम्बाला छावनी, 28 मई (कोचर): केंद्र के गांधी मेमोरियल नेशनल कालेज के संस्कृत विभाग द्वारा कुश्केत्र विश्वविद्यालय कुश्केत्र के मानचित्र पर 2 पेटेंट प्रकाशित कर एक अनाखा और अद्भुत शोध उन्मुख महाविद्यालय होने का कीर्तिमान स्थापित किया है।  
कालेज प्राचार्य डा.



जी.एम.एन. कॉलेज की विजेता टीम व मौजूद प्राचार्य सहित अन्य स्टाफ सदस्य।

2 तर्बल उत्पादों पर प्रार्थान है। प्राचार्य ने बताया कि इन दोनों इर्बल उत्पादों का ट्रेडमार्क महाविद्यालय का प्राण है जिसका शौर्यक आयुर्वेदित जीवनमनुष्य है। कालेज को प्रबंधन समिति के प्रधान डा. गुरुदेव सिंह व अन्य सदस्यों सहित कालेज के संस्कृत विभाग

## जी.एम.एन. कालेज के विद्यार्थियों ने जीते मैडल



हुआ, जिसमें जी.एम.एन. कालेज अम्बाला केंद्र के विद्यार्थियों ने प्रथम स्थान पाकर कालेज का नाम रोशन किया। रिटार्किंग जिम्नास्टिक में छात्र रिचा प्रोच ने ऑलराउंड में केन्द्र जिम्नास्टिक का खिताब अपने नाम किया और बाल इवेंट में गॉल्ड मैडल, रिचन इवेंट में मिल्वर मैडल, हूप इवेंट व क्लब इवेंट में ब्रांज मैडल अर्जित किया। आर्टिस्टिक जिम्नास्टिक विमेन में छात्रा कृतिका वर्मा ने बैलेरिंग बॉन और बालिंग टेबल प्रतियोगिता में

## प्लेसमेंट ड्राइव में हुआ 15 बच्चों का चयन



अंबाला। जीएमएन कॉलेज की ओर से बुधवार को प्राचार्य डॉ. राजपाल सिंह के नेतृत्व में प्लेसमेंट ड्राइव का आयोजन किया गया। इसमें बीबीए, बीए, बीकॉम, बीएससी, बीसीए फाइनल के इस दौरान 15 विद्यार्थियों को फ्लाइंग क्लर्क माणिक गौर ने विद्यार्थियों को उनकी प्रतिभा चयनित किया। चयनित विद्यार्थियों ने अपनी प्रशासन और प्राध्यापकों को दिया। डॉ. राजेंद्र कुंडू, डॉ. रवनीत गुलाटी, डॉ. अनुपमा, डॉ. और उनके उज्ज्वल भविष्य की कामना की

## जीएमएन कॉलेज में 50 विद्यार्थियों को दी स्कॉलरशिप



अम्बाला। जीएमएन कॉलेज के प्रिंसिपल डॉ. राजपाल सिंह ने बताया कि मेधावी व जरूरतमंद स्टूडेंट्स के लिए स्कॉलरशिप शुरू की गई है। निम्नलिखित छात्रों को स्कॉलरशिप प्रदान की गई। डॉ. राजपाल सिंह ने बताया कि यह एक

## जीएमएन के पांच विद्यार्थियों ने उत्तीर्ण की नेट की परीक्षा



अंबाला। गांधी मेमोरियल नेशनल (जीएमएन) कालेज छावनी के विद्यार्थियों ने विश्वविद्यालय अनुदान आयोग के अंतर्गत हुई परीक्षा में एक विद्यार्थी ने जेआरएफ और चार ने नेट की परीक्षा उत्तीर्ण की। प्राचार्य डॉ. राजपाल सिंह ने विद्यार्थियों विकास भोला, धनंजय शर्मा, ज्योति शर्मा, आशीष शर्मा व रूबी बराड़ को शुभकामनाएं दीं। उन्होंने कालेज के प्रांगण में पुष्पगुच्छ देकर विद्यार्थियों को सम्मानित किया। इस अवसर पर राजनीतिक विज्ञान विभाग के अध्यक्ष डॉ. एसएस नेन, डॉ. केके पुनिया, डॉ. राकेश कुमार, डॉ. प्रवेश कुमार, डॉ. सरोज बाला, डॉ. तृप्ति शर्मा आदि मौजूद रहे। संवाद

## परिवार, समाज, राष्ट्र का गौरव हैं बेटियां



जीएमएन कॉलेज में बेटों-पढ़ाओ विषय पर आगराकरता रानी निकालने विद्यार्थियों संवाद न्यूज एजेंसी से ही स्त्री की भूमिका अकथ्य है, जिस इतिहास में नकारा नहीं जा सकता। कालेज प्राचार्य ने बताया कि

## जी.एम.एन. कॉलेज के नवीकृत सभागार हॉल का उद्घाटन करते हुए गीता मनीषी परम पूज्य स्वामी ज्ञानानंद।

अम्बाला छावनी, 6 मई (मनीष) : जी.एम.एन. कॉलेज के नवीकृत सभागार हॉल का उद्घाटन अंतरराष्ट्रीय ख्याति प्राप्त गीता मनीषी स्वामी ज्ञानानंद द्वारा पूरा किया गया। इस मौके पर जी.एम.एन. कॉलेज गवर्निंग बॉडी के प्रधान गुरुदेव सिंह, महासचिव अजय अग्रवाल, उप प्रधान के.जे.एस. भलया व कोषाध्यक्ष आलोक गुप्ता और कालेज मैनेजमेंट एवं ट्रस्ट के प्रधान जयवंत राय जैन, सचिव डी.एस. माधुर जिव अन्य गणमान्य लोग उपस्थित रहे।

## राष्ट्र निर्माण पर युवाओं की भूमिका को अहम बताया

अंबाला। जीएमएन कॉलेज में 'राष्ट्र निर्माण एवं युवा शक्ति' विषय पर कार्यशाला आयोजित की गई। गांधी मेमोरियल नेशनल कालेज अंबाला छावनी के प्रांगण में आयोजित इस कार्यशाला की अध्यक्षता कालेज प्राचार्य डा. राजपाल ने की। इस मौके पर राष्ट्र निर्माण में युवाओं की भूमिका को अहम बताया।



जीएमएन कॉलेज में आयोजित कार्यशाला में मौजूद लोग। संवाद

इस मौके पर मुख्यातिथि डॉ. अमित कंसल निदेशक स्वतंत्र प्रभार, ऊर्जा मंत्रालय भारत सरकार ने कहा कि राष्ट्र निर्माण में युवाओं की अहम भूमिका होती है। युवा-वर्ग व्यक्तित्व और सामूहिक प्रयत्नों से राष्ट्र निर्माण और राष्ट्रीय एकता स्थापित करने में सहयोग प्रदान

आग्रह किया कि भारत को आत्मनिर्भर बनाने में वे अपना महत्वपूर्ण योगदान दें व अन्य लोगों को भी इसके लिए प्रेरित करें। इसी श्रृंखला में विशिष्ट अतिथि, डॉ. धर्मपाल ने अपने वक्तव्य में कहा कि राष्ट्र

अवसर पर डा. सीमा कंसल, डा. एसएस नेन, डा. राकेश कुमार, डा. प्रवेश कुमार और डा. चन्द्र पाल पुनिया व अन्य प्राध्यापकों की उपस्थिति तथा विद्यार्थियों की सक्रिय सहभागिता से कार्यक्रम का सफल आयोजन



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