

NAAC ACCREDITED

GRADE 'B' COLLEGE

महाराणा प्रताप राजकीय स्नातकोत्तर महाविद्यालय
विद्या ऽमृतमश्नुते
अम्बा जि. ऊना (हि.प्र.)



AMBIKA

2024-2025

Email : govtcollegeamb@gmail.com
Ph: 01976-260032
Website : www.mpgcamb.com



Message from the *Principal*

Dear Students, Faculty, and Staff

It is with immense pride and a deep sense of honour that I extend my warmest greetings to all the readers of this new edition of our college magazine, Ambika. Each edition of this publication marks not just a tradition, but a celebration of the talent, passion, and creativity that thrive within the walls of our institution.

Ambika has always served as a vibrant platform for students to express themselves, explore their thoughts, and share their perspectives on a wide array of topics. Whether it is through poetry that touches the heart, articles that provoke thought, essays that showcase intellectual rigor, or stories that captivate the imagination, every contribution is a reflection of the diverse and dynamic spirit of our student community.

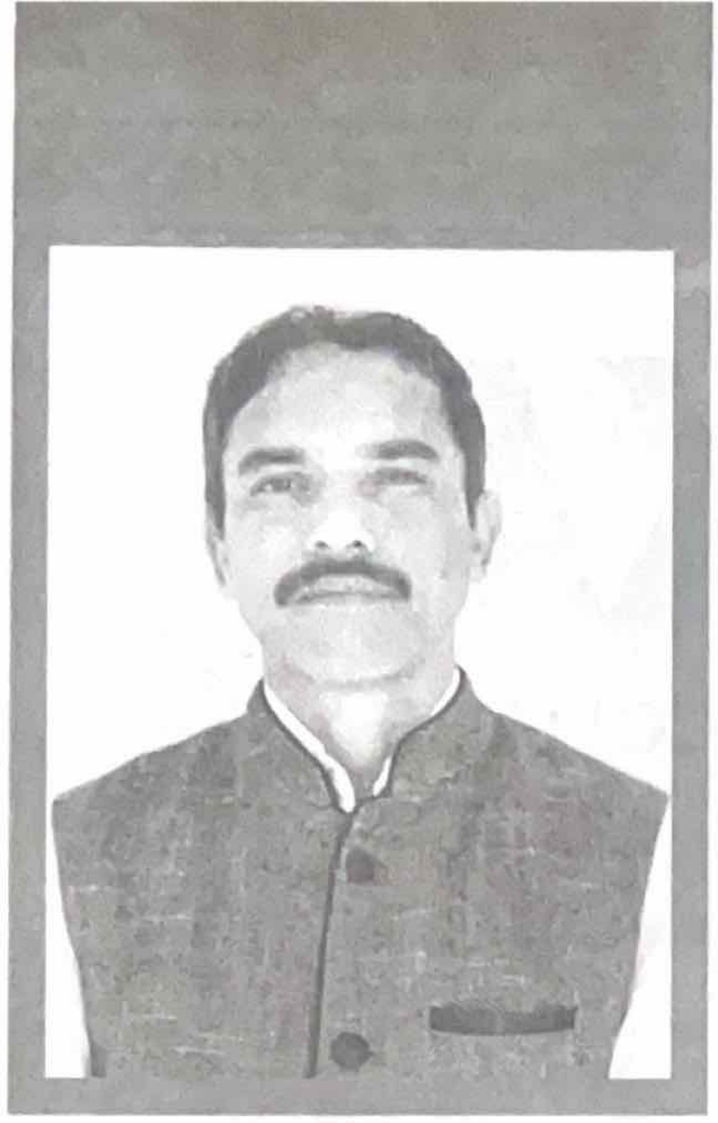
The magazine not only nurtures a culture of literary and artistic expression but also encourages students to challenge themselves and strive for excellence. These creative endeavours often serve as the stepping stones for higher aspirations, motivating others to participate, engage, and develop their own voices. It fosters a sense of community, collaboration, and healthy competition—an essential part of holistic education.

I would like to take this opportunity to convey my heartfelt congratulations to the entire editorial team, faculty coordinators, and especially the student contributors whose tireless efforts have brought this edition to life. Your commitment to excellence, attention to detail, and creative vision are truly commendable.

My sincere thanks also to the printing agency for their professionalism and timely support in ensuring the magazine reaches our readers in its finest form.

As you turn the pages of Ambika, I hope you find inspiration, joy, and a deeper connection to the vibrant life of our college. May this magazine continue to flourish as a beacon of student expression and academic enthusiasm in the years to come.

Warm regards,
Jai Hind!
Prof. Darshan Kumar Principal.



Message from the *Chief Editor*

I am grateful to the administration of the college to provide me the opportunity to be the chief Editor of the magazine, Ambika for the current session.

I am thankful to all the staff editors, student editors and my worthy colleagues for their cooperation during the preparation of Ambika. I feel that the publication of the magazine every year provides an opportunity to all the creative students to bring forth their hidden talent in the shape of Poetry, Articles, Essays etc.

I convey my good wishes to all the readers for the publication of the annual editon of 'Ambika.' The creative works of all the students will surely benefit all the readers My thanks to the printing Agency and all the associate staff for the printing of the magazine timely.

Sukh Dev
Chief Editor

AMBIKA

MAHARANA PRATAP GOVT. COLLEGE
AMB UNA (H.P.)

2024-25

ENGLISH SECTION



STAFF EDITOR
DR. VANDNA KAUNDAL



STUDENT EDITOR
NIDHI THAKUR
23M.A.ENG001

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Women's Safety in India

Women's safety in this country is a major concern and therefore should be talked about as much as possible. She is strong,she is worshiped in this country. She is a mother,she is a sister,a grandmother and a wife. She plays many roles and yet,she is not safe. She lives in terror and fear. She is scared to go from her house to a shop nearby at night. Women's safety is a big concern that must be addressed in a country that has been known for worshiping goddesses like The Durga, Laxmi and the Kali. We clearly need to start worrying about the issue of how unsafe women have become in country. Women of all ages are currently facing some sort of crime against their rights and are suffering in the worst ways. The more we keep letting things like these happen, the more they will continue to grow. We need to make sure that the safety of the women in our country is something that we talk about all the time. Only when we plan on making the most regular everyday activities for the women in our country safe, will we be able to call ourselves a successful nation.

Name Nidhi Thakur

Roll No. 23MAENG001

Teamwork

Teamwork is working together of people to achieve a certain goal. Teamwork is the basic need for an organization to function. Every organization has a division of several teams to perform specific tasks. Without teamwork nothing is possible. Individuals have their own set of skills and strengths. When the whole team works as a unit, everyone has an opportunity to learn from each other. This process leads to resource building and enable the team to become better equipped to deal with new challenges. Teamwork can improve efficiency and productivity.

Name :- Prachi Sandal

Roll No. :- 24BCM01

Artificial Intelligence

With the advent of chat GPT , Google Board , Midjourney and canva's magic features, Artificial Intelligence (AI) is quickly becoming an integral part of our everyday lives , transforming industries and reshaping the way we work , learn and communicate. This rapid technological advancement highlights the importance of incorporating AI education into the curriculum not only to ensure that all student are well- equipped for their academic futures but also workforce developement . AI has the potential to revolutionized the education sector by enhancing learning experiences , supporting teachers and offering more personalized learning opportunities for students . We must equip teachers with the knowledge and strategies , they will need to use this new technology to improve and streamline everyday process as well as classroom implementation . AI – Powered virtual tutors can provide round- the clock support to students , while customized learning solutions can improve students with special needs to reach their full potential . More over, AI is transforming the job

market , with increasing demand for professionals skilled in AI and related fields . Excluding any student group either deliberately or by neglect from learning due to large artificial intelligence can lead to several negative consequences, both for individual and society at large . These digital devices decrease knowledge skills and brings wider skill gap, economic inequality, loss of creativity and innovation.

Name - Sunidhi

Roll no. – 24 BCM0 11

Discrimination Against Men : A Neglected Issue

While the concept of discrimination often brings to mind the plight of woman, man too can face prejudice and inequality under the law in society. This form of discrimination , though less recognized , can have significant consequences for men's lives .

Legal discrimination :

- Child custody laws : In many jurisdictions , mothers are often favoured in child custody disputes. This can lead to men feeling alienated from their children and experiencing emotional distress.
- Workplace protections: While laws like maternity leaves offer protection for women, similar provisions for men, such as paternity leave, may be limited or non-existent

Societal discrimination:

- Violence against women: While violence against women is a significant issue, men can also be victims of domestic violence, sexual assault, and other form of abuse.
- Emotional expression: Men are often discouraged from expressing emotions, leading to mental health issues and difficulties forming healthy relationships. Addressing discrimination against men required a shift in societal attitudes and legal frameworks. This includes promoting gender equality, challenging harmful stereotypes, and ensuring that man have access to the same right and protections as women's. By recognizing and addressing the unique challenges faced by men, we can create a more just and equitable society for all.

Name :- Kushal

Roll Ni. :- 24BCM045

Importance of Education

Education is the most important factor for the development of human civilization. Education provides the nation with manpower and promotes national unity and uplifts public awareness. A country needs different kinds of manpower such as doctors, engineers, teachers administrative officials, economists, judges and other technical hands. Education provides the nation with educated hands. If people are educated they can understand their duties and rights in order to uplift the human society. People should be able to understand each other, they should be united. Thus education can promote national unity. In order to uplift the society. Education plays a prime role. It makes all the people conscious. They will not follow the old evil traditions. Educated people can reform the society. They can understand what is wrong and what is right. They can save good traditions. Education profoundly enhances human prosperity.

Education is the foundation of the future……..

Name :- Ritika

Roll No. :- 24ENG011

"You Can"

If you think you're beaten, you are.....
If you think you dare not, you don't....
If you like to win... but think you can't...
It's almost certain, YOU WON'T!!
If you always try your best
Then you'll never have to wonder
About what you could have done.
If you think you'll lose, you're lost....
For out of the world you'll find....
Success begins with a fellow's will...
It's all in a state of mind.
You've got to be sure of yourself before....
You can ever win the price.
Life's battles don't always go...
To the stronger or faster man...
But sooner or later the one who wins...
IS THE ONE WHO THINKS HE CAN!!!

Name :- Yukti Devi
Roll No. :- 24ENG027

Prevention of Rapes and Violence

Each time our eyes hit the newspaper, the headlines provoke outrage with news of gang rape, violence, molestation and harassment of women. The species which consists half of our population is still subject to violence and discrimination .Women continue to live in fear and under the domination of men in present day India.

When we talk of freedom and independence of the country from outside forces we are proud of what we have achieved today but women who were equal contributors to the freedom struggle, continue to remain shackled by chains of partriarchal mindset. Women are often denied their freedom of choice. Nobody asks a girl what her dreams are? Or what role she aspires to play in life ? Rather her role status is confined to the conventional roles that the society has assigned to her. To make this country a free and enjoyable place for women, we first need to empower the police and government (in order to provide a safe environment to women so that they can travel wherever and whenever they want). We also need to improve our law and order situation and get serious about the investigation, prosecution and traits. More investments need to be made in promoting equality and improving ways for the women to take a stand for themselves.

Name :- Gargi
Roll No.:- 24ENG020

" We must accept finite disappointment, but never infinite hope."

Never losing hope is a powerful mindset that can transform even the darkest of times into opportunities for growth and resilience. When faced with challenges, it's easy to feel overwhelmed and defeated, but holding onto hope can provide the strength needed to persevere. Hope acts as a beacon, guiding us through uncertainty and reminding us that better days are ahead. It fuels our determination, encourages us to find solutions to seemingly insurmountable problems. Remember every setback is a setup for a comeback and maintaining hope can turn obstacles into stepping stones towards success. So, no matter how tough the journery gets, never lose hope, for it is the light that leads us out of the darkness.

Name :- Ashish Kumar

Roll No. :- 22 ENG034

Never Give up

If I made a mistake, then I would have to retake, and do it once again, even feel the pain. But there also lays a prize, and that made me realize that, even if I fail, it would be a learning trail, If I hope for medals and a cup, I can't just rely on luck, I must do hard work, to show the world my worth. That the essence of never giving up.

Name:- Ripul Salota

Roll No :- 22ENG003

Don't Quit

When things go wrong as they sometimes will, when the road your'e trudging seems all uphill, when the funds are low and the debts are high and you want to smile , but you have to sign, when care is pressing you do a bit, rest if you must , but don't you quit. Life is queer with its twists and turns , as everyone of us sometimes learns, and many a failure turns about when he might have won had he stuck it out, don't give up though the pace seems slow you may succeed with another blow. Success is failure turned inside out the sliver tint of the clouds of doubt, and you never can tell how close you are. It may be near when it seems so far, so stick to the fight when you're hardest, hit it when things seem worst that you must not quit

Name :- Heena Jaswal

Roll No.:- 22ENG006

Discipline

Introduction:- Discipline is a fundamental quality that helps individuals achieve their goals. It involves self-control, organization, and commitment to rules and standards. Discipline plays a crucial role in every aspect of life, including education, work, and personal relationships. Without discipline, it is challenging to maintain focus and accomplish tasks efficiently.

Importance Of Discipline:- The importance of discipline cannot be overstated. It helps in managing time

effectively, ensuring that tasks are completed on schedule. Discipline also fosters a sense of responsibility and accountability. Moreover, discipline contributes to better mental and physical health, as it encourages regular exercise, proper diet and sufficient rest.

Conclusion:- In conclusion, discipline is essential for success and personal growth. It enables individuals to stay focused on their goals. Ultimately, discipline is the key to achieving long-term success and leading a balanced and fulfilling life.

Name :- Komal Sandhu
24ENG029

The Importance of English Language in Modern Life

In today's interconnected world, the English language has become an indispensable tool for communication, education, and career advancement. As the global language of business, science, technology and international relations, English proficiency has become a vital skill for individuals seeking to succeed in the modern world.

English is the most widely spoken language globally, with over 1.5 billion speakers. It is the primary language of international communication, used by diplomats, business leaders, scientists and scholars. English is also the language of the internet, with most online content available in English. In education, English is the language of instructions in many universities worldwide, providing access to a vast array of academic resources and research materials. Proficiency in English opens doors to international education and career opportunities, particularly in fields like business, engineering and technology. In conclusion, the English language plays a vital role in modern life, facilitation global, communication, education and career advancement. Individuals who speak English fluently have a distinct advantage in today's competitive job market and are better equipped to navigate the complexities of global interactions.

Name:- Abhishek Sharma
Roll No.:- 24POL003

HUMAN PARADOX : ARE WE REALLY HUMAN?

The question "are we really human? "in the context of rape against women challenges the very essence of our humanity and ethics. When we consider the widespread prevalence of sexual violence , it raises disturbing questions about the nature of society and our collective empathy ,morality and justice. Rape is not just physical violence ; it's a violation of a women's dignity and humanity. The fact that sexual violence persists, often with impunity, highlights social failure in valuing women's rights and equality. Women are dehumanized by partiarchial norms, objectified and subjected to victim blaming . This devaluation is worsened by societal indifference and sufficient justice for survival revealing a deep crisis in empathy. When perpetrators go unpunished or face lenient consequences, it reflects complicity in the volant of women. To restore our humanity, we must address the roots of sexual violence. This includes education about consent, reforming legal systems to hold offenders accountable and providing holistic support to survivors. A cultural shift is needed to dismantle. misogyntic attitudes and partiarchial powers structures that fuel this violence. Being truly human means recognizing the dignity of every individual. Until we, as a society, stand up for the rights of

women and ensure their safety, our collective humanity remains in questions . How we respond to rape, reflects our moral integrity and the values we wish to uphold.

Name:Priyani

Roll No.:- 24POL002

The Power of Forgiveness

Forgiveness is a profound act that can transform relationships and heal emotional wounds. It involves letting go of resentment and the desire for retribution, allowing individuals to move forward in a more positive way. The power of forgiveness lies not only in its impact on the person being forgiven but also on the one who forgives.

Emotional healing...

Forgiveness plays a crucial role in emotional healing. Holding onto grudges can lead to prolonged feelings of anger and sadness, negatively affecting mental health. By forgiving , individuals can release these burdens, promoting a sense of peace and emotional well-being.

Strenghthening relationships...

Forgiveness can also strengthen relationships. In personal connections, conflicts and misunderstandings are inevitable. When one party chooses to forgive , it opens the door to reconciliation and deeper understanding.

Personal growth....

The process of forgiveness encourages personal growth.it often requires introspection and a willingness to empathize with the other person's perspective. This can lead to greater emotional intelligence and maturituy. By confronting and overcoming fellings of hurt, individuals can cultivate resilience and develop a more compassionate outlook.

Conclusion :

Forgiveness is a powerful tool for emotional liberation and personal information. While it may not always be easy, the benefits -both for the forgiver and the forgiven-can lead to profound healing and stronger relationships. By embracing forgiveness, individuals can free themselves from the shackles of past grievances and pave the way for a brighter,more connected future. As Mahatma Gandhi says ,"The weak can never forgive. Forgiveness is the attribute of the strong".

Name :- Gracy sharma

Roll No. :- 24ENG007

India : A Land of Diversity and Resilience

India the world seventh largest country is a vibrant tapestry of cultures, languages, and landscape with a rich history dating back to the Indus valley Civilization.

(3300-1300 BCE) , India has been shaped by various empires, dynasties and colonial powers.

{Cultural Heritage}

. 22 official language with Hindi and English widely spoken

. 16,00 languages and dialects

. Diverse faiths : Hindusim (79%), Islam (14%) Chrisitanity (2%) Sikhism (2%)

. Iconic landmarks : Taj Mahal , Red fort , Varanasi Ghats

{Economic Growth}

. Fastest growing major economy (7%) GDP growth rate

. IT and software Hub (Bengaluru, Hyderabad)

. Manfacturing and services drive growth

. Agricultural sector employs 50% of workforce.

{CHALLENGES AND REFORMS}

. Poverty initiatives (e.g) Aadhar Program)

. Digital India initiative for e.governance.

Swachh Baharat Abhiyan for sanitation and cleanliness

{KEY FIGURES}

. Mahatma Gandhi (Independence leader)

. Jawaharlal Nehru (First Prime Minister)

. Indira Gandhi (First Female Prime minister)

. Narendra Modi (Current Prime Minister)

{KEY EVENT}

. Independence From British Rule (1947)

. Partition of India and Pakistan (1947)

. Economic liberalization (1991)

. Recent electoral reforms (e.g.) Electronic Voting Machines)

{LOOKING AHEAD}

India's growth story is marked by resilience and adaptability.
As the country continues to navigate challenges, its diverse
population, vibrant culture and entrepreneurical spirit will prepel it toward becoming a global leader.

Name- Vanshika

Roll No- 24ENG003

Education

Education plays a very important role in everyone life. Education is a basic human right. It provides freedom and empowerment to everyone. It makes us independent . It provides us a good status in the society and makes us self confident . It also helps us to be healthy, boosts economic growth ,promotes peace in the society, eradicate poverty, removes gender discrimination and inequality, promote women and children rights ,bring good governance ,removes corruption and may more . It is true that educated people make an educated nation. Only educated people can take their nation to greater heights . We must also remember that , education not only means getting bookish knowledge but it involves us having knowledge that help us to be a better human being. At last ,I would like to end this with a quote "education is the most poweful weapon which you can use to change the world".

Name – Taniya Thakur

Roll no. 24 ENG015

Beautiful Minds , Better than a fair Complexion

Someone has very rightly said, "It is not about having pretty face, It is about having a pretty mind, pretty heart and most importantly a beautiful soul. However, there are still many people who look this moral and run after appearance, rather than personality. In India, people are also obsessed with fair Complexion. Just they rejected Girls for marriage and same girls rejected Boys for dark Complexion.

Whereas for Job ads, everyone demands fair complexion. It is totally in contrast to people of western countries where they are Crazy about getting tanned skin. Also they pay a good. We have to understand that we all have different skin. And it is perfectly what matters is we have beautiful heart under the skin. We should focus on being good human beings. Beauty will only stay for a short period of time, whereas, a positive character is eternal. So instead of giving preference to fair complexion, one should look at the inner beauty which provides us perceptual experience, pleasure and satisfaction, inspiring us to perfrom good deeds. Our real success will occur when we get rid of such racist mindset within the general masses of our society.

Outer beauty Attracts
But INNER Beauty
Captivates.

A Beautiful Mind is
Worth more than a
Pretty face

Looks fade with
time, but the heart
and mind only grow
More Beautiful

Name: Robin
Roll no: 24ENG009

Essenc of life

"Youth advancements"

Because of the youth, young people have to be given proper and motivate knowledge about the incoming hurdles in there life as no one is always prepared for it. There training is to be developed to a level where they are capable of competing with the different phases of life and other thing like be able to capture the way with which they could access to the unitary world with new ideas and advancement to maintain a positive and proper balance in there activities and in there own actions.

"Reflect before you respond"

Think before you speak is the most important and old saying words which depicts the human not only to sprinkle your words on someone with your tongue but it is also important to have the knowledge about what you speak to other because what you speak creates an effect on your own identity in front of people. As someone's words could be stroke of arrow to someone or could also be on medicines to one's disease and the words could be a spark to a war or could be a medium for end of a war.

Name :- Paras Rana
Roll NO :- 24BCM009

How to deal with peer pressure

First of all peer pressure refer to the influence exerted on someone usually a friend , schoolmate or anyone with similar interest to do something or push them towards something. They may be resistant to do or may not otherwise choose to engage in peer pressure. Often involves conformity, where the person change there behaviour , value or attitudes to align with those of their peer. So this is flow you can deal with peer pressure.

1. If you are unsure , take a time out
2. Listen to your gut
3. Offer an alternative
4. Arrange a code word with parents and trusted friends
5. If something feels dangerous tell a safe authority

Name :- Prachi Sharma
Roll No.:- 24ENG001

WINGS OF LIFE

Life is like a bird with wings yearning to soar to unparalleled height. Just as wings empower birds to transcend boundaries our dreams and aspirations give us the strength to overcome abstracts and reach new horizons. The wings of life repersent freedom, resilience and the unwavering desire to fly against the wind. They symbolize the human spirits capacity to rise above adversity , to hail and to transform. When we spread our wings, we unleash our true potential , embracing the thrill of the unknown and the beauty of discovery . As we glide throw life journey, our wings remind us that every fall is an opportunity to rise again stronger and wiser.

Name :-Ankita
Roll no:- 23MAENG008

अम्बिका

महाराणा प्रताप राजकीय महाविद्यालय
अम्ब, जिला ऊना (हि0 प्र0)

2024-25

हिन्दी अनुभाग



प्राध्यापक सम्पादिका
डॉ0 कुमारी सुजाता



छात्र सम्पादिका
नवल जस्सी
बी0 ए0 तृतीय वर्ष

अनुक्रमणिका

क्रमांक	विषय	विद्यार्थी का नाम
1	सम्पादकीय	नवल जस्सी
2	कितना सुन्दर लिखा है किसी ने	आशा
3	गिरना भी अच्छा है	सुनीती
4	एक किताब लिखूंगी	नवल जस्सी
5	सत्य वचन	पल्लवी
6	विद्या	राधिका
7	कोशिश करने वालों की कभी हार नहीं होती	कविता
8	बचपन का जमाना	कृष ठाकुर
9	पिता	साक्षी धीमान
10.	आत्माविश्वास	आरती देवी
11	शिकायतों से क्या मिला	उमाशंकर
12	मुझे बताना है तुम्हें	साहिल भाटिया
13	विश्वास रख खुद पर	अरितका शर्मा
14	जीवन की राहें	विनय ठाकुर

सम्पादिका की कलम से

प्रिय साथियों,

महाविद्यालय की पत्रिका अम्बिका के हिन्दी अनुभाग की छात्रा -सम्पादिका का कार्य इस बार मुझे सौंपा गया है। मैं आभारी हूँ हिन्दी की प्राध्यापिका डॉ0 सुजाता कीं, शिक्षको के मार्गदर्शन एवं मित्रों के सुझावों ने मुझे इस कठिन कार्य को सरल बनाने में मदद की है ।रचनाओं में 'मौलिकता' की सबसे बडी चुनौती रहती है इसलिए मौलिकता, गुणात्मकता तथा सृजनात्मकता को अभिव्यक्त करने वाली रचनाओं एवं प्रेरक प्रसंगों को यथावत् स्थान देने का प्रयास इस पत्रिका में किया गया है। विद्यार्थी चिंतन, मनन और अध्ययन करने के बाद यदि लेखन करें, तभी पत्रिका की सार्थकता होगी ।इन्हीं शब्दों और मंगलमय कामनाओं के साथ प्रस्तुत हैअम्बिका का 2024-2025 का हिंदी अनुभाग ।

छात्रा संपादिका (हिंदी अनुभाग)
नाम नवल जस्सी
कक्षा बी,ए. तृतीय वर्ष
अनुक्रमांक 22HIN045

कितना सुंदर लिखा है किसी ने

प्यास लगी थी गजब की.....मगर पानी में जहर था.....पीते तो मर जाते और ना पीते तो भी मर जाते.....बस यही दो मसले, जिंदगीभर ना हल हुए !!
ना नींद पूरी हुई, ना ख्बाब मुकम्मल हुए !!
वक्त ने कहा.....काश थोड़ा और सब्र होता !!
सब्र ने कहा.....काश थोड़ा और वक्त होता !!
शिकायते तो बहुत हैं तुझसे ऐ जिदंगी, पर चुप
इसलिये हूँ कि, जो दिया तूने, वो भी बहुतों को नसीब नहीं होता.....

नाम साक्षी
कक्षा बी,ए, तृतीय वर्ष
रोल 21HIN009

गिरना भी अच्छा है

गिरना भी अच्छा है,
औकात का पता चलता है
बढ़ते हैं जब हाथ उठाने को
अपनों का पता चलता है ।
जिन्हें गुस्सा आता है
वो लोग सच्चे होते हैं
मैंनें झूठों को अक्सर
मुस्कुराते हुए देखा है
सीख रहा हूँ मैं भी,
मनुष्यों को पढ़ने का हुनर,
सुना है चेहरे पर.....
किताबों से ज्यादा लिखा होता है ।

नाम सुनीती
अनुक्रंमाक 22ZOO003

एक किताब लिखूंगी.....

मैंने सोचा था एक किताब लिखूँगी,
जिसमें दर्द बेहिसाब लिखूँगी,

बुन कर जिसमें कोई खूबसूरत ख्वाब लिखूँगी,
कलम पकड़ कर हाथों में,
मनचाही हर बात लिखूँगी,
अकेली हो कर भी,
किसी का साथ लिखूँगी,
मैंने सोचा था मैं एक किताब लिखूँगी ।

नाम नवल जस्सी
अनुक्रंमाक 22HIN045

सत्य वचन

1. कोई इंसान तब तक नहीं हार सकता है,
जब तक की वो अपने दिमाग से हार ना मान ले ।
2. लोग कहते हैं कि पैसा रखो बुरे वक्त में काम आएगा ।
मैं कहती हूँ ईश्वर पर यकीन रखो बुरा वक्त ही नहीं आएगा ।
3. जिसको जो कहना है,कहने दो
अपना क्या जाता है
ये वक्त-वक्त की बात है और
वक्त सबका आता है।

नाम पल्लवी
अनुक्रमांक 22HIN007

विद्या

विद्या धन है अनमोल
कभी न लगाना इसका मोल ।।
विद्या धन है ऐसी सीढी ।
जो संवारे हर नई पीढ़ी ।।
विद्या धन है ऐसा साथ ।
जो कभी न छोड़े हमारा साथ ।।
विद्या धन है ऐसी माया ।
जिससे मनुष्य की है काया ।।
विद्या धन है ऐसा रास्ता ।
जो हमें मंजिल पर पहुंचाता ।।
विद्या धन है ऐसा खजाना ।
जितना लुटाना उतना बढ़ जाना ।।
विद्या धन है अनमोल ।
कभी न लगाना इसका मोल ।।

नाम राधिका
अनुक्रंमाक 22HIN025

कोशिश करने वालों की कभी हार नहीं होती

लहरों से डरकर नौका पार नहीं होती
कोशिश करने वालों की कभी हार नहीं होती ।
नन्ही चींटी जब दाना लेकर चलती है
चढ़ती दीवारों पर सौ बार फिसलती है।
मन का विश्वास रगों में साहस भरता है
चढ़कर गिरना, गिरकर चढ़ना न अखरता है।
आखिर उसकी मेहनत बेकार नहीं होती
कोशिश करने वालों की, कभी हार नहीं होती ।

डुबकियां सिंधु में गोताखोर लगाता है,
जा-जाकर खाली हाथ लौटकर आता है ।
मिलते नहीं सहज ही मोती गहरे पानी में,
बढ़ता दुगना उत्साह इसी हैरानी में ।
मुठ्ठी उसकी खाली हर बार नहीं होती
कोशिश करने वालों की कभी हार नहीं होती ।
असफलता एक चुनौती है इसे स्वीकार करो ,
क्या कमी रह गई देखो और सुधार करो ।
जब तक न हो सफल, नींद चैन को त्यागो तुम,
संघर्ष का मैदान छोड़कर, मत भागो तुम ।
कुछ किए बिना ही जय-जयकार नहीं होती,
कोशिश करने वालों की कभी हार नहीं होती ।

नाम कविता
अनुक्रंमाक 22HIN075

बचपन का जमाना

एक बचपन का जमाना था
जिस में खुशियों का खजाना था
चाहत चाँद को पाने की थी,
पर दिल तितली का दीवाना था.....
खबर ना थी कुछ सुबह की,
ना शाम का ठिकाना था.....
थककर आना स्कूल से,
पर खेलने भी जाना था.....
माँ की कहानी थी,
परियों का फसाना था.....
बारिश में कागज की नाव थी,
हर मौसम सुहाना था.....
रोने की वजह ना थी
ना हँसने का बहाना था.....
क्यों हो गए हम इतने बडे
इससे अच्छा तो बचपन का जमाना था.....
बो बचपन का जमाना था ।

नाम कृष ठाकुर
अनुक्रंमाक 23BSM014

पिता

माँ घर का गौरव, तो पिता घर का अस्तिव होते हैं । माँ के पास अश्रुधारा, तो पिता संयम होते हैं। दोनों समय का भोजन माँ बनाती है। तो जीवन भर भोजन की व्यवस्था करने वाले पिता को हम सहज ही भूल जाते हैं। कभी लगी जो ठोकर या चोट तो ओ 'माँ' ही मुँह से निकलता है लेकिन रास्ता पार करते कोई ट्रक पास आकर ब्रेक लगाये तो बाप रे ! यही मुँह से निकलता है क्योंकि छोटे-छोटे संकटों के लिए माँ है। पर बडे सकंट आने पर पिता ही याद आते हैं । पिता वह वृक्ष है जिसकी शीतल छांव में संपूर्ण परिवार सुख से रहता है।

नाम साक्षी धीमान
अनुक्रमांक 22HIN015

आत्मविश्वास

जब राह अंधेरी हो जाती है
और मुश्किलें सर चढ़ आती हैं ।
तब आत्मविश्वास का दीप जलाओ ,
हर बाधा को तुम मात दिलाओ ।
न घबराओ, न रूक जाओ
हर सपने को सच कर जाओ ।
आत्मा में विश्वास जगाओ,
खुद पर यकीन तुम बढ़ाओ ।
सपनों का जो आकाश है,
वो आत्मविश्वास की बुनियाद है।
जो हार से न डगमगाए,
वही सच्चा योद्वा कहलाए ।
चाहे गिरो, चाहे संभलों,
हर मुश्किल से तुम निकलो ।
आत्मविश्वास को साथी बनाओ,
जीवन में जीत का गीत सुनाओ ।

नाम आरती देवी
अनुक्रमाक 22BCS012

शिकायतों से क्या मिला

दूसरों पर उंगली उठा कर क्या मिला ?
अपने शब्दों को गिरा के क्या मिला ?
अपने कद को छोटा करके क्या मिला ?
यहां किसको नहीं सहना पडा
यहां कौन है जो रूकावट के बिना आगे बढ़ा
जिसने अपनी जिंदगी में गमों का सामना ना किया
जिसके रास्तों में मुश्किलें नहीं आई
तू बस आगे बढ़ता चल रास्तों, रूकावटों
और दूसरों की परवाह किए बगैर ।

नाम - उमाशंकर
रोल नं0 24BBA038

मुझे बताना है तुम्हें ....

यह कहानी जिंदगी और इंसान के बीच में है।
वो कहती है.....
कल मैंने एक झलक जिंदगी को देखा
वो राहों पर मेरी गुनगुना रही थी
एक अरसे के बाद आया मुझे करार
वो सहला के मुझे सुला रही थी
मैंने पूछ लिया-क्यों इतना दर्द दिया तूने
वो हँसी और बोली -मैं जिदंगी हूँ पगले
तुझे जीना सीखा रही थी ।
तो इंसान अपने जबाब में जिदंगी को कहता है
मुझे बताना है तुम्हें अब मैं बदल गया हूँ
प्यार बेशक आज भी करता हूँ मगर जताना भूल गया हूँ ।
दिल में दर्द आज भी होता है मगर उस दर्द को छुपाकर मुस्कुराना सीख गया हूँ ।
मुझे बताना हैं तुम्हें कि, अब मैं जीना सीख गया हूँ ।

नाम साहिल भाटिया
अनुक्रमांक 23BSN16

विश्वास रख खुद पर

जब टूटा सपना यूँ अक्सर बिखरा
दिखलाई पडता है।
तब अपने और पराए वाला भेद दिखाई पडता है।
वक्त बदलता इन बातों को
ध्यान जरा रख लेना तुम
एकत्रित कर सारी ऊर्जा हर काम साझा कर लेना तुम ।
नामुमकिन को मुमकिन करना,
माना आसान नहीं होता,
पर मानों नहीं समस्या कोई
जिसका समाधान नहीं होता ।
बचपन से सीखा करते हो
कोशिश करने वालों की हार नहीं होती,
कुछ वक्त भले लग जाए पर
कोशिश होती बेकार नहीं ।
बेहतर कल के लिए जरूरत
प्रतिपल कडे प्रयास की,
मन के हारे हार है मित्रों मन
के जीते जीत भी है।

नाम अरितका शर्मा
अनुक्रंमाक 22BCM000

जीवन की राह

जीवन की राहें कभी आसान नहीं होती
कभी दुख, कभी खुशी, कभी सियाही सी होती ।
जो खुद पर विश्वास रखता है,
उसकी मंजिल कभी दूर नहीं होती ।
हर कदम पर मिलती है कोई नई चुनौती,
पर उसे पार करना ही है असली जिम्मेदारी,
हार से डरना नहीं, उसे अपनाओ,
जिंदगी से जुडी हर बात को समझाओ ।
हर कठिनाई का हल होता है
बस सही दिशा में कदम बढ़ाओ ।

नाम विनय कुमार
अनुक्रमांक 22BBA05

AMBIKA

MAHARANA PRATAP GOVT. COLLEGE
AMB UNA (H.P.)

2024-25

COMPUTER SECTION



STAFF EDITOR
PROF. ANIL VERMA



STUDENT EDITOR
DEEPIKA DADWAL
22BCS039

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Communication is the Key: Sharpen Your Skills with Orall Talk Language Lab

In today's competitive world, knowledge alone is not enough. Whether you're a student of Arts, Science, Commerce, Business, or Computer Applications, your ability to communicate effectively can make all the difference in academic success, job interviews, group discussions, presentations, and professional life. Communication skills are no longer optional—they are essential.

Why Communication Skills Matter

Communication is more than just speaking English. It includes listening actively, expressing ideas clearly, writing professionally, and interacting confidently. Here's how communication impacts different streams:

- BA Students need excellent verbal and written communication for essays, debates, and public speaking.
- BSc Students must explain scientific findings in reports and presentations.
- B.Com. and BBA Students require persuasive skills for marketing, sales, finance discussions, and teamwork.
- BCA Students need to communicate technical ideas and work in collaborative development environments.

No matter your field, communication builds your confidence, improves your interpersonal relationships, and enhances your employability.

Introducing Orall Talk Language Lab

To support students in mastering communication, our college proudly hosts the Orall Talk Language Lab—a state-of-the-art software-based solution designed to improve English language and communication skills through interactive learning.

What is Orall Talk Language Lab?

Orall Talk is a modern, digital language learning software that uses audio-visual content, AI-based pronunciation correction, interactive exercises, and voice recording features to help learners at all levels.

Key Features:

- Listening Comprehension: Practice understanding spoken English from different accents and contexts.
- Speaking Practice: Record your voice, compare with native speakers, and get real-time feedback.
- Reading and Writing Modules: Improve vocabulary, grammar, sentence formation, and writing style.
- AI-Powered Pronunciation Trainer: Corrects your pronunciation, intonation, and fluency.
- Progress Tracking: Monitors your improvement over time and adapts lessons accordingly.

How It Helps You

- Overcome Stage Fear: Practice group discussions and speeches in a virtual environment.
- Crack Interviews: Learn how to introduce yourself confidently and answer common interview questions.
- Present Ideas Effectively: Improve your presentation and storytelling abilities.
- Enhance Listening Skills: Essential for understanding lectures, webinars, and professional communication.

Available Right Here in Your College!

We are proud to share that Maharana Pratap Government Degree College, Amb has established a fully functional Orall Talk Language Lab on campus. All studentsBA, BSc, B.Com., BBA, and BCAare encouraged to make use of this excellent facility.

You can schedule your sessions, take guided practice modules, and work on your communication skills with the support of trained faculty and the latest AI-enabled software.

Final Word

The ability to speak clearly, listen actively, and write correctly is a skill that will open doorsacademically and professionally. Make the most of this opportunity. Whether you're preparing for higher studies, placements, or

public life, the Orall Talk Language Lab is your gateway to becoming a confident communicator. Your voice deserves to be heard—loud, clear, and confident.

Lt Anil Verma
Assistant Professor Computer Applications

Exploring the Future: How Artificial Intelligence Empowers Students to Learn and Grow

In today's rapidly evolving digital landscape, Artificial Intelligence (AI) is transforming every aspect of our lives—and education is no exception. From personalized learning experiences to powerful research assistance, AI tools have emerged as valuable allies for undergraduate students across all streams, including BA, BSc, B.Com., BBA, and BCA. Whether you're studying literature, science, commerce, business, or computer applications, integrating AI into your learning routine can unlock new levels of understanding, creativity, and skill development.

What is Artificial Intelligence in Education?

Artificial Intelligence refers to computer systems capable of performing tasks that typically require human intelligence. In education, AI can help by automating repetitive tasks, customizing learning paths, analysing performance, and offering 24/7 tutoring support.

Let's explore how AI tools are enhancing learning and development for students in different streams:

1. For BA (Bachelor of Arts) Students

Key Skills: Critical thinking, creativity, communication, writing.

AI Tools:

- Grammarly &Quillbot: These AI writing assistants help improve grammar, tone, and coherence in essays and assignments. Quillbot also assists with paraphrasing and summarizing texts.
- ChatGPT: Ideal for brainstorming ideas, generating outlines, or understanding complex literary and philosophical concepts.
- Canva Magic Write & Adobe Firefly: Help BA students create visually appealing presentations, posters, and digital art with the aid of AI-generated templates and design suggestions.

How It Helps: Enhances writing quality, speeds up research, and fosters creativity in projects and presentations.

2. For BSc (Bachelor of Science) Students

Key Skills: Analytical thinking, experimentation, scientific communication.

AI Tools:

- Wolfram Alpha: A computational engine that helps solve math, physics, and chemistry problems with step-by-step explanations.
- Labster: Offers virtual science labs using AI simulations, enabling students to perform experiments safely and interactively.
- Consensus & Semantic Scholar: These AI tools help in literature reviews by summarizing and finding relevant scientific papers quickly.

How It Helps: Supports scientific learning through simulations, aids in complex calculations, and accelerates research work.

3. For B.Com. (Bachelor of Commerce) Students

Key Skills: Financial literacy, data analysis, business communication.

AI Tools:

- Zoho Books & QuickBooks (AI-enabled): Help students understand accounting principles through hands-on practice with business simulations.
- Tableau & Power BI (AI features): Use machine learning to generate trends, forecasts, and visual data analysis.

- AI Tutors (like Khanmigo by Khan Academy): Personalized coaching in topics like economics, taxation, and finance.

How It Helps: Builds real-world financial skills, aids in interpreting data, and supports personalized learning in commerce subjects.

4. For BBA (Bachelor of Business Administration) Students

Key Skills: Management, marketing, communication, decision-making.

AI Tools:

- Notion AI: Great for organizing case studies, project planning, and note-taking.
- HubSpot & SEMrush (AI features): Help students understand marketing analytics, SEO, and customer relationship management.
- Trello + AI Power-ups: For managing team projects, task delegation, and productivity optimization.

How It Helps: Enhances productivity, simulates real-world business tasks, and equips students with digital marketing and management tools.

5. For BCA (Bachelor of Computer Applications) Students

Key Skills: Coding, software development, data structures, algorithms.

AI Tools:

- GitHub Copilot: Acts as an AI pair programmer, providing coding suggestions and writing boilerplate code.
- Replit Ghostwriter &Codeium: Help students practice programming by giving real-time code suggestions and debugging tips.
- Kaggle & Google Colab (AI/ML): Platforms for hands-on experience with machine learning projects using real datasets.

How It Helps: Improves coding proficiency, offers project collaboration, and prepares students for careers in tech and AI.

Conclusion:

Artificial Intelligence is not about replacing human intelligence—it's about amplifying it. For students, AI offers an incredible opportunity to learn more efficiently, explore creatively, and prepare for a tech-driven future. Embracing these tools can make learning more engaging and personalized while equipping you with skills that are highly valued in today's job market.

As the saying goes, "The future belongs to those who learn more skills and combine them in creative ways." With AI by your side, you are better equipped than ever to shape that future.

Lt Anil Verma
Assistant Professor Computer Applications

Proto Alpha: The Future of Humanoid Robotics by Clone Robotics

Imagine a world where robots not only assist in daily chores but also move, react, and function just like humans. This isn't just a concept from science fiction anymore—Proto Alpha, the latest humanoid robot from Clone Robotics, is bringing this vision to life. This remarkable creation doesn't rely traditional electric motors like most robots. Instead, it uses a hydraulic-based muscle system, mimicking human movement with an unprecedented level of accuracy. It even has synthetic organs, artificial muscles, and a fully articulated skeleton. Let's dive deep into how Proto Alpha is redefining the future of robotics.

How Proto Alpha Robot Stands Out

Proto Alpha distinguishes itself in the autonomous robotic systems market by combining cybernetic intelligence with bio-inspired mechanics. Its ability to self-learn, adapt to different tasks, and seamlessly interact with humans makes it a strong competitor in the AI-powered robotics industry.

How Does Proto Alpha Robot Work?

Core AI and Machine Learning Algorithms

Understanding how Proto Alpha Robot works requires analysing its AI and machine learning capabilities. The robot is powered by deep learning algorithms that enable real-time decision-making and autonomous adaptation. These include:

- Reinforcement Learning: The robot continuously learns from past experiences, refining its movements and decision-making over time.
- Neural Network Integration: Using deep neural networks, Proto Alpha processes sensory data, allowing it to recognize objects, navigate complex spaces, and interact with humans effectively.
- Computer Vision and NLP: It can identify faces, interpret gestures, and understand speech, making it highly interactive in both industrial and consumer environments.

Future of Proto Alpha & AI-Driven Robotics

1. AI Advancements Enhancing Proto Alpha's Capabilities

The future of Proto Alpha Robot is closely tied to AI advancements, particularly in reinforcement learning, natural language processing, and enhanced mobility. Future iterations are expected to integrate improved AI-powered robotics decision-making and problem-solving, making humanoid robots more efficient in complex tasks.

2. Potential Breakthroughs in Autonomous Robotic Systems

Research in AI-powered robotics is focused on developing better predictive modelling, enabling robots like Proto Alpha to anticipate human needs and act accordingly. Improvements in real-time adaptability and emotional intelligence will likely make Proto Alpha more interactive and useful in daily life.

3. Impact of Proto Alpha and Similar Robots on Jobs and Industries

While AI-powered humanoid robots will automate repetitive tasks, they will also create new job roles in robot maintenance, AI ethics, and human-robot collaboration. Industries such as logistics, healthcare, and defence will see significant transformation as Proto Alpha and similar AI-driven humanoid robots become more commonplace.

Predictions for Humanoid Robots in Daily Life by 2030

By 2030, AI-driven robotics, including Proto Alpha Robot, could be integral to home assistance, industrial automation, and even entertainment. Experts predict that these robots will handle a wider range of human-like tasks, from caregiving to customer service, ultimately bridging the gap between human and machine collaboration.

Conclusion: Is Proto Alpha the Next Breakthrough in AI Robotics?

Proto Alpha Robot represents a significant leap in AI-powered robotics. With advanced learning algorithms, improved sensory capabilities, and a wide range of applications, it is redefining how autonomous robotic systems function across industries. Proto Alpha Robot is likely to become more commercially viable as AI and hardware improvements reduce production costs. Over the next decade, AI-powered humanoid robots will transition from research projects to practical tools, revolutionizing industries while sparking ongoing debates about AI ethics, human-robot collaboration, and regulatory policies.

Deepika Dadwal
B.Sc. 3rd Year (Computer Science)
22BCS039

DeepSeek vs ChatGPT: Architectural Comparison

In this section, we will discuss the key architectural differences between DeepSeek-R1 and ChatGPT 40. By exploring how these models are designed, we can better understand their strengths, weaknesses, and suitability for different tasks. This comparison will highlight DeepSeek-R1's resource-efficient Mixture-of-

Experts (MoE) framework and ChatGPT's versatile transformer-based approach, offering valuable insights into their unique capabilities.

DeepSeek is a Chinese-developed large language model, designed with a focus on multilingual capabilities and optimized for research and academic performance. It has gained recognition for its high performance in coding, math reasoning, and comprehension tasks, particularly in Chinese and English contexts. DeepSeek emphasizes transparency and reproducibility, often offering open weights and research-friendly licensing.

ChatGPT, developed by OpenAI, is a globally popular language model used across education, business, and everyday applications. It's known for its conversational fluency, creative writing abilities, and general knowledge. Available in multiple versions (like GPT-3.5, GPT-4, and GPT-4o), ChatGPT is designed to be user-friendly, integrating with tools like code interpreters, web browsing, and image generation for more interactive tasks.

While both models excel in language processing, DeepSeek is favored for academic and technical research, whereas ChatGPT shines in general-purpose, creative, and multi-modal applications.

DeepSeek vs ChatGPT – Key Differences

Feature	DeepSeek	ChatGPT
Developer	DeepSeek AI (China)	OpenAI (USA)
Focus Area	Research,coding,bilingual performance	Conversational AI, creativity, usability
Strengths	Math, programming, scientific reasoning	reasoning General knowledge, dialogue, multi-modality
Language Support	Strong in Chinese and English	Supports multiple languages globally
Accessibility	Open-source models, research -oriented	Commercial product with user-friendly tools
Integration	Primarily API or research settings	Integrated with web, plugins, and tools

Concluding Thoughts:

That's the end of the battle of DeepSeek vs ChatGPT and if I say in my true words then, AI tools like DeepSeek and ChatGPT are still evolving, and what's truly exciting is that new models like DeepSeek can challenge major players like ChatGPT without requiring huge budgets. Now, the question is which one is better? That really depends on your needs. If you're looking for something cost-effective, quick, and great for technical tasks, DeepSeek might be the way to go. On the other hand, if you need an all-rounder that's easy to use and fosters creativity, ChatGPT could be the better choice. My advice? Test both out—they're free to try! Personally, I'm sticking with DeepSeek for now, but who knows, something shinier might come along next. That's the exciting part about AI—there's always something new just around the corner!

Deepika Dadwal
B.Sc. 3rd Year (Computer Science)
22BCS039

Blockchain Beyond Cryptocurrency: Transforming Security and Data Management

Blockchain

Blockchain is a digital ledger that records information across a network of computers. Instead of storing data in one place (like traditional databases), blockchain distributes it across multiple systems, making it more secure and nearly impossible to hack.

Each piece of data is stored in a "block," and once added, it cannot be changed. These blocks are connected in a "chain," ensuring transparency and security.

How Blockchain is Used Beyond Cryptocurrency

1. Secure Digital Identity & Cybersecurity
   - Blockchain helps create digital identities that cannot be stolen or forged.
   - Companies and governments use it to protect sensitive data from cyberattacks.
   - It reduces fraud in areas like banking, healthcare, and online transactions.

2. Transparent Supply Chains
   - Businesses use blockchain to track products from production to delivery.
   - Customers can verify if a product is authentic, ethically sourced, or free from fraud.
   - Industries like food, fashion, and pharmaceuticals benefit from improved transparency.

3. Healthcare & Medical Records
   - Blockchain securely stores patient records, reducing errors and improving accessibility.
   - Hospitals and doctors can access accurate medical histories without risking data breaches.
   - It helps prevent fake medicines from entering the market.

4. Smart Contracts: Automating Legal Agreements
   - Smart contracts are digital agreements that automatically execute when conditions are met.
   - They eliminate the need for middlemen (like lawyers or banks).
   - Used in real estate, insurance, and finance to speed up processes and reduce costs.

5. Blockchain-Based Voting Systems
   - Traditional voting systems are vulnerable to fraud and manipulation.
   - Blockchain-based voting ensures transparency, security, and accuracy.
   - Countries and organizations are exploring blockchain for secure online elections.

6. Banking & Financial Transactions
   - Blockchain improves banking security by making transactions safer and faster.
   - Cross-border payments that take days using traditional banks can be done in minutes.
   - Banks like JP Morgan and HSBC are integrating blockchain for financial services.

Why Blockchain is Important

Security – Data is encrypted and tamper-proof.

Transparency – Everyone can verify transactions without fraud.

Efficiency – Automates processes, reducing time and costs.

Decentralization – No single authority controls the data.

Asmita
B.Sc. 3rd Year (Computer Science)
22BCS011

Brain-Computer Interface: A Glimpse into the Future:

Imagine controlling a computer or a machine just by using your thoughts—sounds like science fiction, right? However, with the development of Brain-Computer Interface (BCI) technology, this is slowly becoming a reality. BCI is a system that allows direct communication between the brain and an external device. It works by detecting brain signals and converting them into commands without needing physical movement. This technology has shown great potential, especially in the medical field. For people who are paralyzed or suffering from neurological conditions, BCI can help them move prosthetic limbs, control wheelchairs, or even speak through devices—just by thinking.

Outside of medicine, BCI is gaining interest in areas like gaming, virtual reality, and robotics. Companies are

experimenting with how this technology can make digital experiences more immersive. Controlling a game character or navigating a drone with your brain may soon become the norm.

Of course, there are still many challenges. Interpreting brain signals accurately, ensuring safety, and addressing ethical issues such as data privacy are crucial concerns. But with advancements in neuroscience and artificial intelligence, the technology is improving rapidly.

Brain-Computer Interface is not just a fascinating concept—it is a powerful innovation that could reshape how we interact with the world around us. As students of science and technology, it's exciting to watch and maybe one day be part of this incredible journey.

Nitin
B.Sc. 3rd Year (Computer Science)
22BCS034

Augmented Reality (AR) VS Virtual Reality (VR)

Aspect	Augmented Reality (AR)	Virtual Reality (VR)
Definition	Enhances the real world by overlaying digital content	Creates a fully immersive digital environment
Environment	Real world with virtual elements added	Entirely virtual world, disconnects from the real world
Devices Used	Smartphones, tablets, AR glasses (e.g., Microsoft HoloLens)	VR headsets (e.g., Oculus Rift, HTC Vive, PlayStation VR)
User Interaction	InteractionInteracts with both real and digital objects simultaneously	Interaction is limited to the virtual environment only
Mobility	Users remain aware of and can move in their physical surroundings	Users are typically stationary or in a controlled space
Applications	Retail, education, healthcare, navigation, real-time information	Gaming, training simulations, virtual tours, therapy
Realism Level	Partially immersive	Fully immersive
Purpose	Enhances and supplements the real-world experience	Replaces the real world with a simulated one
Cost	Generally lower-cost and more accessible	Often requires expensive hardware and setup

Summary:

- AR adds to your reality; VR replaces it.
- AR lets you see both the real and virtual; VR puts you entirely in a virtual world.

Both are powerful technologies but are used for different purposes based on the level of immersion and interaction desired.

Suhani
BSc 3rd Year (Computer Science)
22BCS004

Cybersecurity Trends in 2025: Emerging Threats and Defenses

As technology continues to evolve, so do cyber threats. In 2025, cybersecurity is more crucial than ever, with organizations and individuals facing increasingly sophisticated cyberattacks. Here are the top cybersecurity trends shaping the digital landscape this year.

1. AI-Driven Cybersecurity: The Rise of Automated Threat Detection

Artificial Intelligence (AI) is revolutionizing cybersecurity by enhancing threat detection and response times. AI-powered systems analyze vast amounts of data to detect anomalies and prevent cyberattacks in real-time. However, cybercriminals are also leveraging AI for more advanced attacks, leading to an ongoing battle between security professionals and hackers.

2. Zero Trust Security Model Becomes the Standard

The traditional security approach of trusting internal networks is no longer effective. In 2025, the Zero Trust model—where every access request is verified, regardless of location—is a fundamental cybersecurity strategy. Organizations are using multi-factor authentication (MFA), identity verification, and access controls to reduce risks.

3. Increased Ransomware Attacks and Ransomware-as-a-Service (RaaS)

Ransomware attacks continue to rise, with attackers using Ransomware-as-a-Service (RaaS) models to sell hacking tools on the dark web. Cybercriminals target businesses, healthcare systems, and government institutions, encrypting data and demanding ransom payments. Companies must prioritize robust backup solutions and employee training to mitigate risks.

4. Cloud Security Takes Center Stage

As more businesses migrate to cloud environments, securing cloud infrastructure has become a top priority. Cybercriminals exploit misconfigured cloud settings and weak authentication mechanisms to gain unauthorized access. In response, companies are adopting cloud-native security tools, enhanced encryption, and zero-trust cloud architectures to protect sensitive data.

5. IoT Security Becomes a Major Concern

With the rise of smart devices, Internet of Things (IoT) security is a growing concern. Hackerstarget IoT devices like smart cameras, industrial sensors, and connected cars to exploit vulnerabilities. Stronger encryption, firmware updates, and network segmentation are critical measures to secure IoT ecosystems.

6. The Role of Blockchain in Cybersecurity

Blockchain technology is emerging as a powerful tool for enhancing security. It helps in securing transactions, identity verification, and preventing data tampering. Decentralized security solutions reduce risks associated with traditional centralized systems, making them an attractive option for industries like finance and healthcare.

Rishika Sharma
B.Sc. 2nd Year (Computer Science)

The Future of AI in Education: Transforming Learning for the Next Generation

Artificial Intelligence (AI) is revolutionizing multiple sectors, and education is no exception. As AI technologies continue to advance, they are poised to significantly reshape how we teach, learn, and manage educational systems. From personalized learning experiences to automated administrative tasks, the integration of AI in education offers both immense opportunities and complex challenges.

1.Intelligent Tutoring Systems

AI is also being used to develop intelligent tutoring systems that mimic the benefits of one-on-one instruction. These systems can provide immediate feedback, guide students through complex problems, and even detect emotional cues such as frustration or confusion. Virtual tutors are becoming increasingly sophisticated, making them valuable supplements to human teachers, especially in subjects like math and science.

2. Enhanced Administrative Efficiency

Beyond the classroom, AI is streamlining administrative operations in schools and universities. From automating grading and attendance to handling admissions and scheduling, AI can significantly reduce the workload on educators and administrative staff. This allows them to focus more on teaching and student support rather than bureaucratic tasks.

Additionally, AI can assist in identifying at-risk students through predictive analytics, enabling early intervention strategies that improve retention and academic success rates.

3.Bridging Gaps in Access and Equity

AI has the potential to make education more accessible, especially in underserved or remote areas. With the rise of AI-driven educational apps and platforms, students from all backgrounds can access high-quality learning resources via smartphones or tablets. AI can also break down language barriers with real-time

translation tools, making global education more inclusive.
For learners with disabilities, AI-powered tools like speech recognition, screen readers, and personalized assistive technologies are opening up new possibilities for participation and achievement.
4.Challenges and Ethical Considerations
Despite its many advantages, the integration of AI in education also raises important concerns. Privacy and data security are significant issues, as AI systems often rely on collecting and analysing large volumes of student data. Ensuring that this data is handled responsibly and ethically is crucial.
5. The Role of Educators in an AI-Powered Future
Rather than replacing teachers, AI should be seen as a powerful ally in the educational process. The future of education lies in a collaborative model where AI handles routine tasks and data analysis, while educators focus on mentorship, critical thinking, creativity, and emotional intelligence — areas where human touch remains irreplaceable.
Professional development and training for teachers will be essential to equip them with the skills needed to effectively integrate AI tools into their teaching practices.
ConclusionThe future of AI in education is both exciting and transformative. With the right implementation, AI can democratize learning, enhance outcomes, and better prepare students for a rapidly changing world. However, this potential must be balanced with thoughtful policies, ethical safeguards, and a continued emphasis on the human elements of education. As we look ahead, a collaborative, student-centred approach will be key to unlocking the full benefits of AI in shaping the classrooms of tomorrow.

Kashish
B.Sc. 1st Year (Computer Science)
24BCS008

How Do Large Language Models Like ChatGpt (LLMs) Work?

Artificial Intelligence (AI) is everywhere these days, and one of the most exciting developments is Large Language Models (LLMs) like ChatGPT, Claude, and Meta AI. These AI systems can chat, write, and even help with coding. But how do they actually work? Let's break it down in a way that makes sense.
The Brain Behind LLMs: Neural Networks
Think of LLMs as supercharged autocorrect systems. They don't "think" like humans but instead use patterns to predict what should come next in a sentence. This is possible thanks to neural networks, which mimic how our brains process information.
A neural network is made up of layers of artificial "neurons" that process information. When a model reads a sentence, each layer analyzes different aspects of the text—like grammar, meaning, and context—before forming a response. The Transformer model (introduced in 2017) is what makes this process much faster and more efficient, helping AI understand relationships between words better than older models.
How LLMs Learn: Training with Massive Data
LLMs don't have knowledge of their own—they learn from huge amounts of text taken from books, websites, and other sources. Imagine feeding a child millions of books and having them memorize patterns in words, sentences, and meanings.
The training process includes:

- Breaking Text into Small Parts (Tokenization): This splits words into smaller pieces to help AI process them efficiently.
- Pretraining: The AI reads massive amounts of text, learning grammar, facts, and common phrases.
- Fine-tuning: The model is adjusted to perform specific tasks like answering questions or summarizing text.
- Human Feedback: AI is refined using Reinforcement Learning from Human Feedback (RLHF), where people rate responses to help improve quality.

3. How AI Creates Responses

When you ask an AI a question, it doesn't "think" about the answer. Instead, it predicts the most likely sequence of words based on what it has learned.

- Reads Your Input: It breaks down your words and understands their structure.
- Finds Patterns: It compares your question to millions of examples it has seen before.
- Generates a Response: It selects the most likely next words to form a meaningful and relevant answer.

To make responses sound natural, AI considers the context of the conversation, meaning it remembers what was said before and tailors its reply accordingly.

4. Why AI Sometimes Gets It Wrong

Even though LLMs are powerful, they have limitations:

- Making Stuff Up (Hallucination): AI sometimes generates incorrect or misleading answers because it predicts words based on patterns, not actual facts.
- Bias in Responses: If the training data has biases, AI can unknowingly repeat them.
- No Real Understanding: AI doesn't have emotions, beliefs, or true comprehension—it just predicts what sounds right.

5. The Future of AI Chatbots

AI models are constantly improving. Some future developments include:

- Multimodal AI: AI that can understand not just text, but also images and videos.
- More Efficient AI: Models that require less computing power, allowing them to run on personal devices.
- Fact-Checking AI: AI that can cross-check its own answers to provide more reliable information.

LLMs like ChatGPT and Claude are changing the way we communicate with technology. They don't truly think, but they're powerful tools that can make life easier. The key is understanding how they work so we can use them wisely!

Harsh
B.Sc. 3rd Year (Computer Science)
22BCS027

5G AND ITS IMPLICATIONS

Brief Overview of 5G

1.Faster Speeds: Up to 20 Gbps
2.Lower Latency: As low as 1 ms
3.Greater Connectivity: Support for up to 1 million devices per square kilometer
4.New Use Cases: IoT, smart cities, industrial automation, and more

Applications of 5G

1. Enhanced Mobile Broadband: Faster mobile internet
2. Ultra-HD Video Streaming: Seamless video streaming
3. Remote Healthcare: Telemedicine, remote consultations, and medical data transfer
4. Smart Cities: Intelligent transportation, public safety, and urban planning
5. Industrial Automation: Predictive maintenance, quality control, and supply chain optimization

Limitations of 5G

1. Infrastructure: Limited availability of 5G infrastructure
2. Device Compatibility: Limited availability of 5G-enabled devices
3. Security: Vulnerability to cyber threats and data breaches
4. Interoperability: Compatibility issues between different networks and devices

Challenges of 5G

1. Infrastructure Deployment: High cost and complexity of deploying 5G infrastructure
2. Security: Protecting user data and preventing cyber threats
3. Interoperability: Ensuring seamless communication between different networks and devices
4. Regulation: Compliance with laws and regulations related to spectrum allocation, data privacy, and network security

Future Trends of 5G

1. 6G Research: Exploring next-generation wireless technology
2. Quantum Computing: Integrating quantum computing for complex problem-solving
3. Artificial Intelligence: Using AI to optimize 5G networks and services
4. Extended Reality: Enabling immersive experiences with AR, VR, and MR applications

Jyoti Kumari
B.Sc. 2nd Year (Computer Science)
23BCS015

Disadvantages of Social Media

While social media offers numerous benefits in terms of connectivity, information sharing, and entertainment, it also comes with a range of disadvantages that can have serious implications for individuals and society.

1. Addiction and Excessive Screen TimeSocial media platforms are designed to be engaging, often leading to compulsive usage. This addiction can result in excessive screen time, which affects sleep patterns, reduces productivity, and can even have physical health consequences like eye strain, headaches, and a sedentary lifestyle.
2. Loneliness and IsolationIronically, while social media connects people virtually, it can also lead to emotional detachment from real-life relationships. Individuals may begin to rely more on online interactions, which can cause feelings of loneliness, social isolation, and a lack of genuine emotional connection.
3. Cyberbullyin

One of the most alarming disadvantages is the prevalence of cyberbullying. Social media provides a platform for harassment, humiliation, and abuse, especially among teenagers and young adults. The anonymity offered by these platforms can embolden individuals to act cruelly without facing immediate consequences.

4. Privacy ConcernsMany users are unaware of how much personal data they are sharing online. Social media sites often collect and use this information for targeted advertising, and in some cases, this data can be accessed by malicious actors, leading to identity theft, fraud, or other privacy violations.
5. Spread of misinformation and fake news
   Social media enables the rapid spread of content, including false or misleading information. Fake news, rumors, and conspiracy theories can go viral quickly, influencing public opinion and creating panic or confusion, especially during crises like pandemics or political events.
6. Comparison and Feelings of Inadequacy
   Social media often portrays curated, idealized versions of people's lives. Constant exposure to such content can lead to unhealthy comparisons and feelings of inadequacy or low self-worth, particularly among young users who may struggle with body image, success, or lifestyle comparisons.
7. Distraction from Real-Life Responsibilities

The constant notifications, updates, and engaging content on social media can be highly distracting. It can divert attention from important real-life responsibilities such as work, studies, and family time, leading to decreased performance and strained relationships.

8. Mental Health Issues: Anxiety and Stress
   Continuous engagement on social media can contribute to mental health problems. The pressure to stay updated, fear of missing out (FOMO), negative comments, and the pursuit of likes and validation can increase stress levels and lead to anxiety, depression, or mood swings.
9. Blurring the Line Between Reality and Virtual Life
   Social media can distort perceptions of reality. As people increasingly share only the highlights of their lives, it creates a false sense of what is normal. This blurring of boundaries can impact users' ability to differentiate between authentic experiences and digitally constructed identities.

In conclusion, while social media can be a powerful tool for connection and information, its misuse or overuse can have detrimental effects on mental, emotional, and social well-being. It is important to use these platforms mindfully and maintain a healthy balance between the digital world and real life.

Palak Thakur
B.Sc. 1st Year (Computer Science)
24BCS007

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COMPETENCY-MAPPING
A TOOL FOR ORGANISATIONAL EXCELLENCE

Competency Mapping is a vital strategic-tool used by organizations to enhance employee performance, align workforce capabilities with business objectives, and drive overall organizational excellence. It Involves identifying, defining and analyzing the core competencies that are essential for success in specific roles and, aligning them with the strategic roles and goals of the organization.

Competencies are often categorized into the technical, behavioral and leadership skills, covering the knowledge, Abilities and Attitude Required To Perform a Job Effectively. Through Competency Mapping, organizations can establish clear performance kind standards, create structural cares development paths, And design the targeted training programs. Through Competency Mapping, Organizations establish Uninterrupted activities.

This process enable businesses to Ensure That The RIGHT PEOPLE With The RIGHT SKILLS are Placed in the RIGHT ROLES, Optimizing Both Individual and Organizational Productivity.

Moreover, Competency Mapping is Crucial in Various Aspect of the management such as:

* In recruitment, as it helps in Selecting Candidates Whose Skills and Attributes Closely align with Requirements of the Position.
* In Employee Retention, by Fostering a Culture of Growth, Where The employees understand their career and have acces to Tools For Their continuous Development.
* For HR Managers, it serves as a foundation for performance Evaluations, helping to make them more objective and linked to Measurable Competencies.

Additionally, Competency mapping is instrumental in organizational change management , as it identifies Potential Gaps in Skills During Transitions and helps Develop Strategies to Develop Them.

Name :- ANKITA
Roll No. 22BBA027

TALENT ACQUISITION AND RETENTION STRATEGIES

Talent Acquisition and Retention are Critical Components of Organizational Success, requiring a Strategic approach to Attract, develop and Retain top Talent Acquisition in Competitive markets. Effective Talent Acquisition Begins with Building a Strong Employer Brand, Show casing the Organization as desirable Workplace Through Positive Employee Experiences Diversity and Career Development Opportunities. Leveraging TECHNOLOGY such AI Driven Recruitment tools and Social Media Platform helps Organizations target and Engage Skilled candidates Efficiently. Equally important is creating a Seamless onboarding Process to integrate new hires and align them with organizational values and goals. Retention strategies tours on fostering a supportive and engaging work environment through competitive compensation, recognition programs and opportunities for professional growth providing training , unskilling and clear career progression

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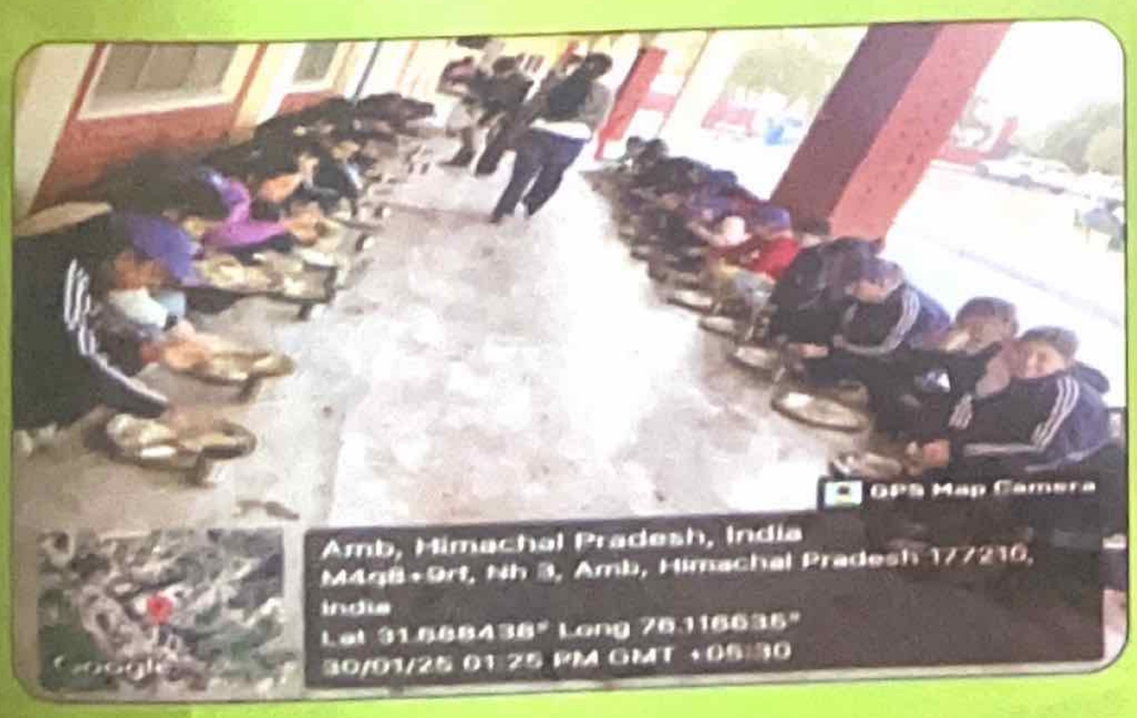

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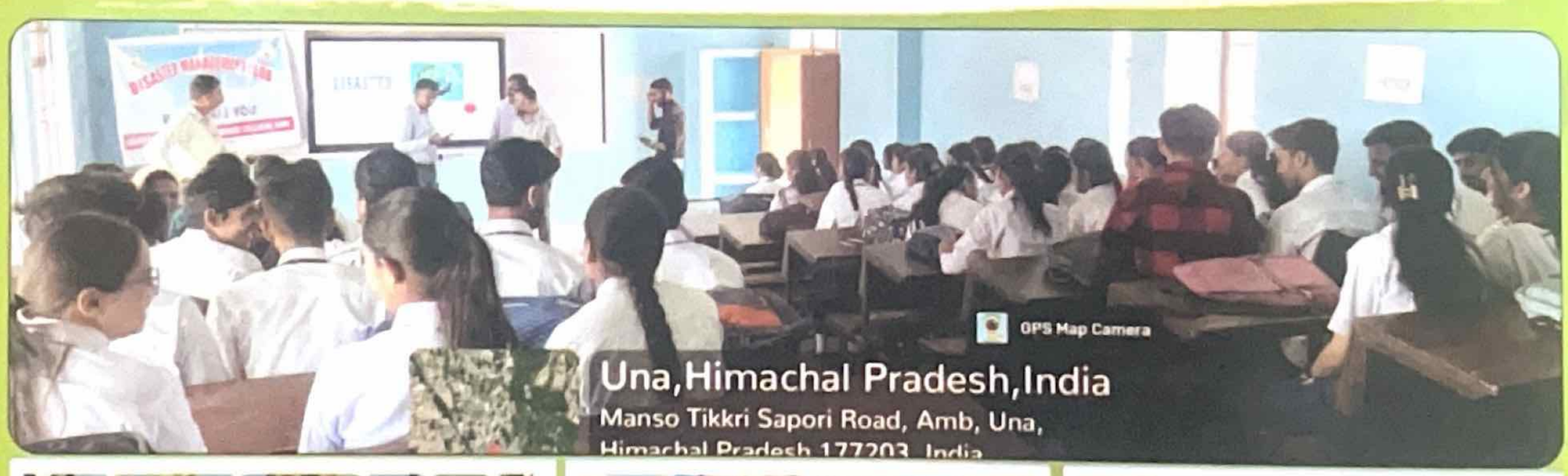






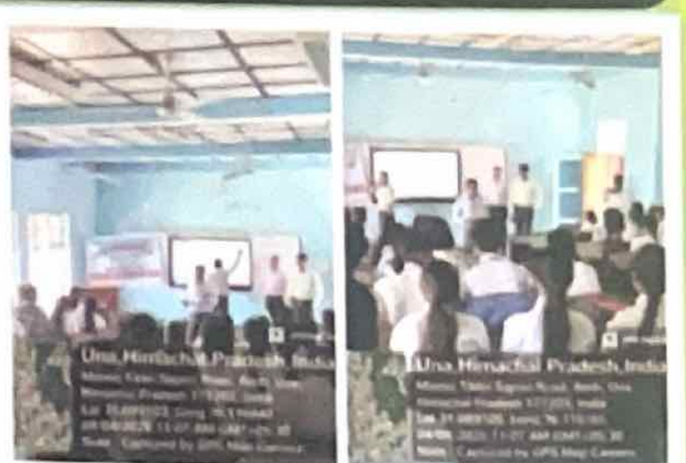


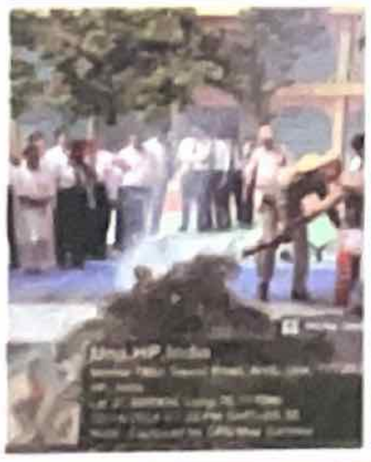
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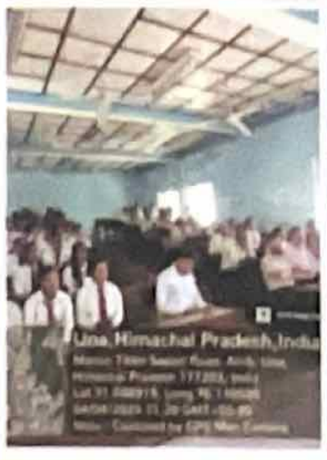


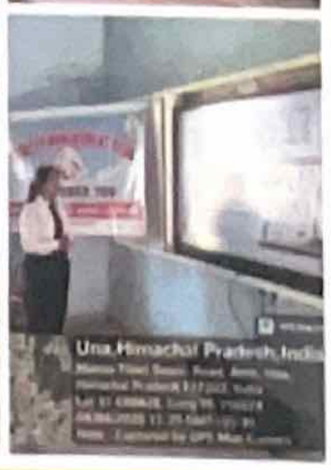




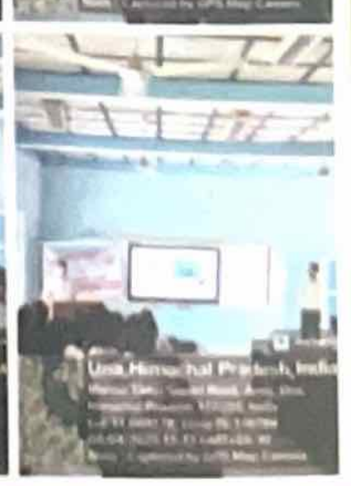








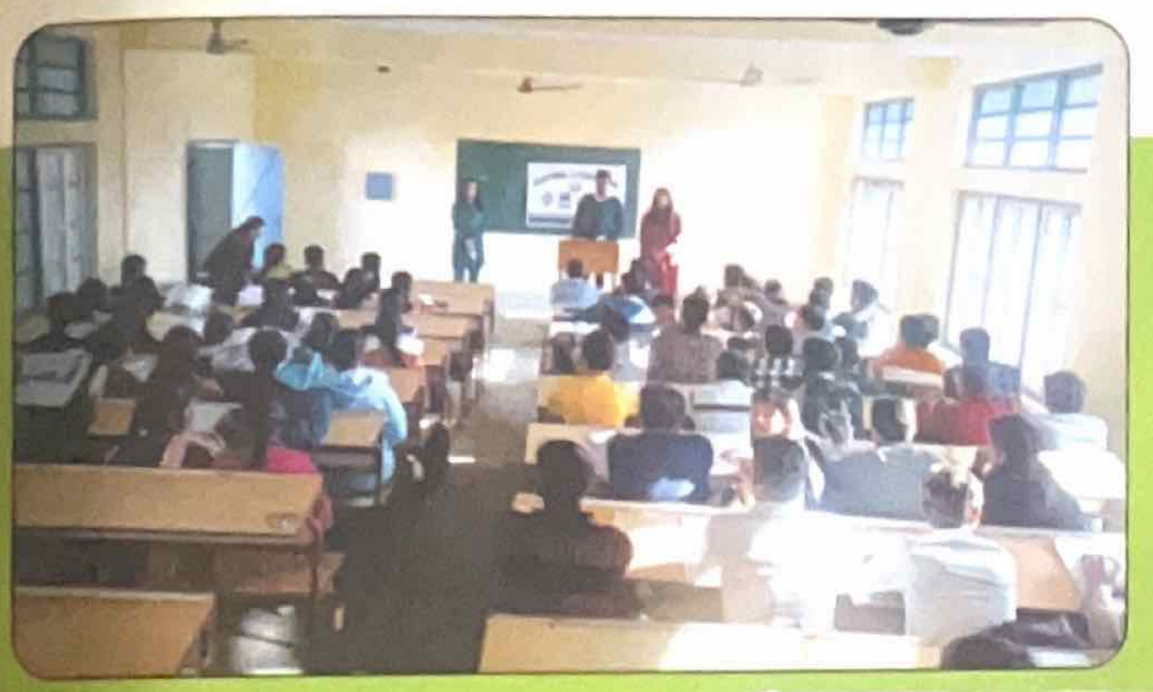


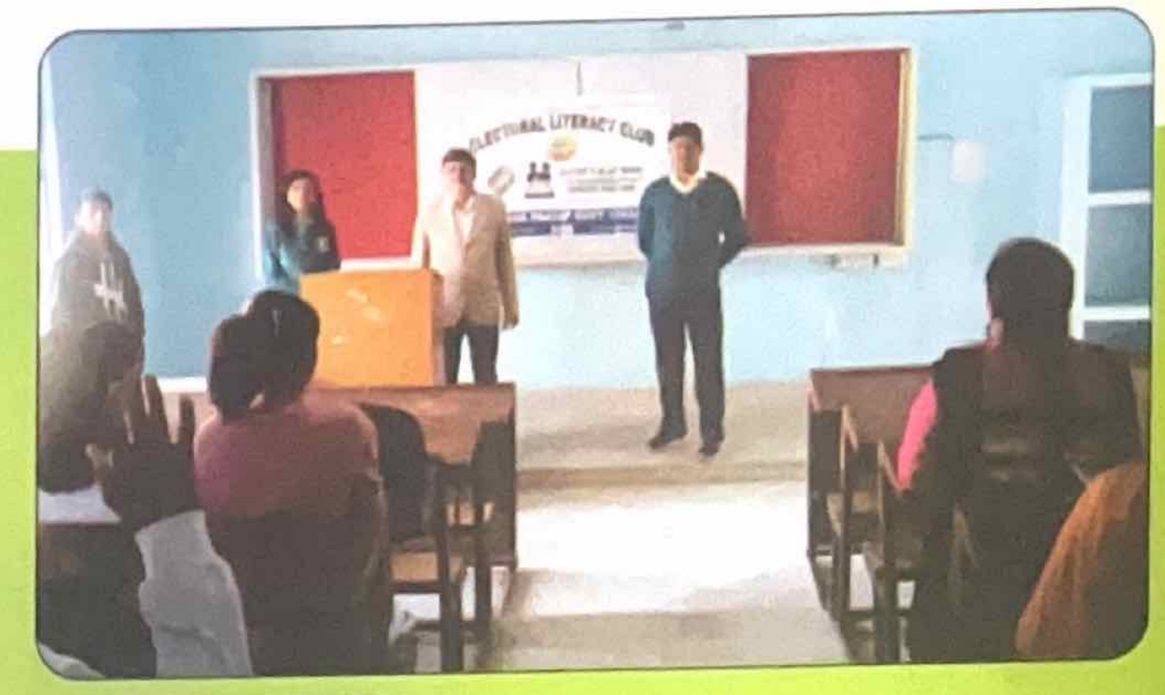


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RED RIBBON CLUB

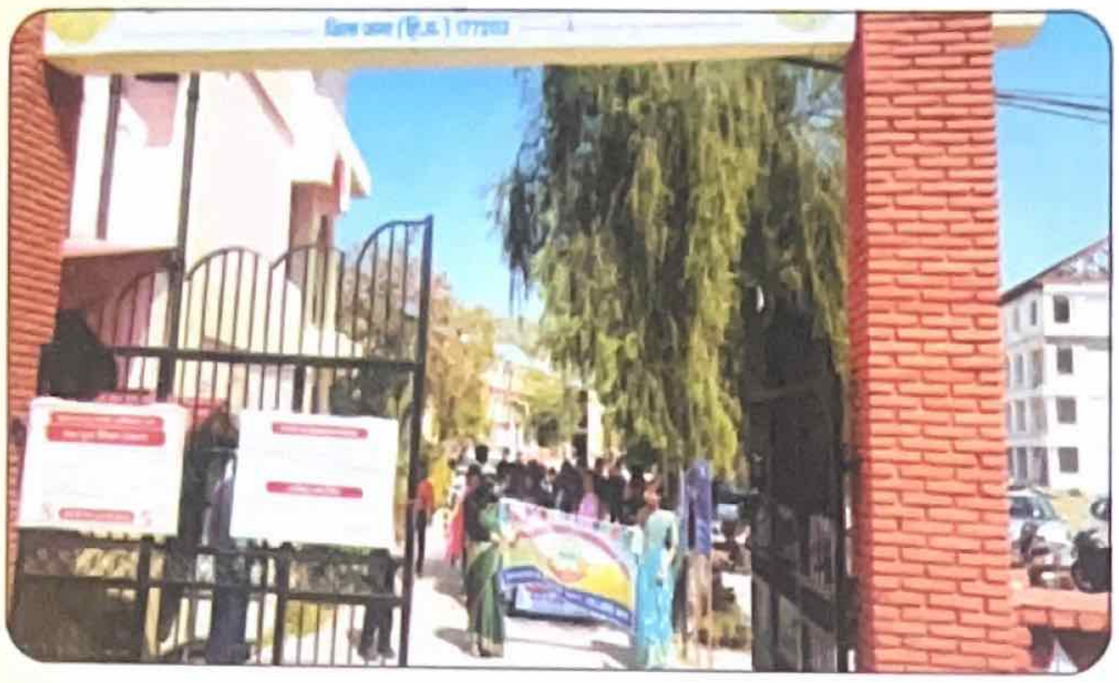








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ROAD SAFETY CLUB









CULTURAL CLUB

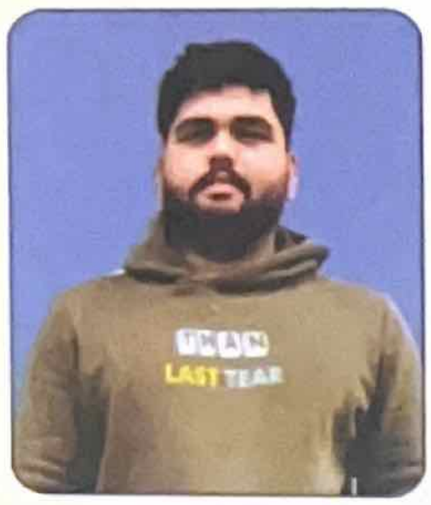








SPORTS ACHIEVEMENTS (2024-2025)
M.P. GOVT. COLLEGE AMB, NATIONAL AND STATE LEVEL



Jatin Kumar (Weightlifting)
Represented HPU in all India Inter University Weightlifting Championship at LPU. Gold Medal in HPU Inter College Weightlifting Championship at G.C. Indora.



Divya Sood (Athletic)
Represented HPU in all India Inter University Chess Championship at Ryat Bahra University ,Chandigarh.



Payal Rani (Athletic)
Represented Himachal Pradesh Cross-Country team in National Championship held at Uttar Pradesh & Gold Medal in State Cross Country. - Bronze in medal HPU Inter College Cross Country Championship held at G.C. Haripur, Manali Bronze medal HPU Inter College Athletic (10000 M Race) Championship held at G.C. Hamirpur.



Kavita (Annual Athletic Meet)
Represented Himachal Pradesh Cross-Country team in National Championship held at Utter Pradesh. Bronze medal in HPU Inter College Cross Country Championship held at G.C. Haripur,Manali.



Harsh (Athlete)
Gold medal in HPU Inter College Athletic (High Jump) Championship held at G.C. Hamirpur



Priya (Boxing)
Silver medal in State Championship held at Kinnor



Sanjana
Bronze Medal in HPU Inter College Cross Country Championship held at G.C. Haripur, Manali.



Mehak Choudhary (Athlete)
Bronze medal in HPU Inter College Cross Country Championship held at G.C Haripur,Manali.



Sahil Kumar (Boxing)
Bronze medal in HPU Inter College Boxing Championship held at G.C. Daulatpur Chowk &Bronze medal in H.P. State open Championship held at Hamirpur.



Ruby Choudhary (Taekwondo)
Bronze medal in HPU Inter Taekwondo Championship held at G.C. Amb.



Mohit Patial (Judo)
Bronze medal HPU Inter College Judo Championship held at G.C. Rajgarh.



Shibam Bhatia (Wrestling)
Bronze medal in HPU Inter College Wrestling Championship held at Gyatri College of Education, Sundernagar



Aftab Ali (Weightlifting)
Bronze medal in HPU Inter College Weightlifting Championship at G.C. Indora.



Suhani (Weightlifting)
Bronze medal in HPU inter College Weightlifting Championship at G.C. Nadaun.



Harsh Thakur (Best Athlete)
Annual Athletic Meet 2024-25

pathways ensure employees feel valued and motivated to contribute. Additionally promoting work-Life Balance, flexible schedules and mental well-being initiative addresses employee satisfaction and reduces turnover Regular Feedback Mechanisms and open communications allow organization to understand employee needs and address concerns promptly Ultimately a Comprehensive talent acquisition and retention strategy builds a loyal,skilled workforce that drives long- term success and innovation

NAME- KOMAL DADWAL

ROLL NO- 22BBA001

ETHICAL CHALLENGES IN MANAGEMENT

Ethical Challenges in Management Refers to the Situation where managers face dilemmas in making decisions that align with moral principles, organizational values and professional responsibilities while balancing the demands of profitability,efficiency and stakeholders interests. Managers must often balance the pursuit of profits with adherence to ethical standards which can be competitive particularly challenging when organizational goals and stakeholders exception conflicts.

Issues such as Fair Treatment of Employees Honesty. In communication, Respect for diversity and Environmental sustain ability often test a manager's ability to make ethical decisions. Pressure to meet financial targets can sometime lead to unethical practices such as manipulating Financial Reports, Exploiting workers, ignoring sofety standards.

Additionally Navigating cultural differences in global operations can pose ethical dilemmas as what is considered acceptable in one culture may be unethical in another . Managers must also address the issue like Favoritism, Corruption and transparency while ensuring compliance with laws and Regulations. Accountability Further ampliefies the need for ethical management practices. Ultimately Fostering an Ethical organization culture require not only setting clear values, and policies but also leading by example where leaders consistently make decisions that align with both moral principles and the organizational long term sustainability

Ultimately Fostering an Ethical culture requires managers to prioritize values like honesty fairness and sustain ability, demonstrating leadership that aligns with both ethical principle and organizational success . Ethical Challenges in management often arise due to the needs to balance Competing interests, align organizational goals with moral principal and maintain integrity in complex situations.

NAME- KAVITA BHARDWAJ

ROLL NO- 22BBA006

COMMUNICATION IN EFFECTIVE LEADERSHIP

Communication Plays a Vital Role in Successful Management by serving as the foundation for effective leadership and organizational process. It enables managers to clearly convey goals, expectation strategies, ensuring that employees understand their roles and responsibilities. Through open and transparent communication, managers can foster trust , build strong relationship, and create collaborative, work environment . Additionally, effective communication facilitates decision making by allowing managers to gather input, share ideas and provide clear instruction . it also acts as a tool for motivation, as regular feedback and recognition help employees stay engaged and aligned with organizational objectives. More over,

communication is essential for conflict resolution, ensuring issues are addressed constructively and do not hinder productivity. Over all , strong communication skills empower managers to lead effectively, align teams with organizational goals and drive success.

NAME- AKSHIT KUMAR
ROLL NO- 24BBA008

TIPS FOR MANAGING SMALL TEAMS EFFECTIVELY

A Small Team is a Group of Individuals,usually consisting of 3 to 10 members, who collaborate to achieve specific goals or complete tasks. The size of the team is intentionally kept small to enhance communication, foster closer relationship, and improve overall efficiency. Managing small teams is a dynamic and rewarding process that requires a balance of leadership , communication and collaboration. Small teams, typically comprising a handful of members offer unique advantages such as closer relationship, faster decision making and increosed agility. However, they also present distinct challenges.

Team should communicate clearly to avoid misunderstandings and it should be ensure that all team members feel heard. The roles and responsibilities should clearly outlined to minimize overlap and confusion and define objective for members . Team Members should get to know each team member's strengths weakness and motivations. The efforts of members should be recognize and the achievements should be celebrated no matter how small they are these are some tips that helps in managing small team effectively.

NAME- NIKITA SHARMA
ROLL No. 23BBA059

HOW TO BUILD TRUST WITH TEAM

Building Trust With Your Team is Corner Stone of Effective Leadership and Collaboration . Trust is cultivated through consistent communication, integrity, accountability and mutual respect . It requires creating an environment where team members feel valued, safe to express themselves, and confident in each others reliability. By demonstrating fairness, actively listening and showing empathy, leaders and team members can strengthen bonds and foster a productive, cohesive team culture.

The Importance of trust lies in its ability to enhance collaboration, encourage innovation, and improve morale. When trust exists, team members feel valued motivated, leading to higher engagement and better performance. Conversely a lack of trust can result in misunderstandings, low productivity and high turnover.

A Trust worthy team dynamic is marked by clear communication, shared goals and a commitment to resolving conflicts constructively by prioritizing trust, teams can achieve greater success and maintain a positive workplace culture

NAME-TANIA CHOUDHARY
ROLL NO. 24BBA035

EMOTIONAL INTELLIGENCE SUCCESS IN WORK LIFE

The Term "EMOTIONAL INTELLIGENCE" is a paradox because it contains two contradictory term "EMOTIONAL" AND "INTELLIGENCE." BY NATURE, HUMANS are emotional creatures. Emotions are all around us in the workplaces. They appear in many forms. Facial expressions, tone of voice, body language, and even works of art. They helps us in making decisions and understand the world . we make decisions in an emotional manner and then justify them nationally. Emotions are also produced in other creatures such as animals and birds. Emotional intelligence (EI) is a type of social intelligence that combines emotion and intelligence .it is the key to life and career success.(1) EMOTIONAL INTELLIGENCE IS A CENTURIES old phenomenon. Its history is as old as the history of mankind. EI, is a way of life that subsumes a set of multiple capabilities to precive, mange , asses and evaluate one's own and person's emotion.(2) the three methods or models of emotional intelligence. The ability based model. The trait , and mixed model the five elements that characters. Emotional intelligence were suggested by Daniel goleman an American psychologist Who helped to popularize emotional intelligence:- Self Awarness- in order for emotional intelligence to be effective it has to start with yourself skills. Be willing to examine how are makes his/her evalutions. Recognize negative thinking, anger, and mood swings, practice tuning make an efforts to learn pay attention to own behavioures self. Regulation this means not allowing to get the best you emotion. self regulation mean that you can adopt effectively to situations as they change. Motivation, this is an ability to understand to pursue goals with energy and persistence .Empathy it refers to our ability to understand the emotion of those around us social skills are necessary to guide people effectively in a specific direction and influence the managers emotional intelligence these are same of the characteristic of individuals or managers with high emotional intelligence. They stay positive and manager difficult situations successfully. Make thoughtful decision. Empathic to their workers are clam under pressure listen more often than they speak the six factors responsible for effective managers. Managing the organization environment, resources, organization and coordination, information handling, providing growth and development, strategic problem solving.

NAME DHAWANI SHARMA
ROLL NO 23BBA010

ROLE OF ETHICS IN DECISION-MAKING

Ethics play a pivotal role in business decision making, Here's how ethics integrate into the decision-making process, first one is integrity and transparency. Integrity is the cornerstone of ethical business decision making. Decisions made with integrity faster trust and respect among stakeholders. The second one is fairness and justice, ethical business decision making demands fairness and justice. This means considering the impact of decision on all stakeholders and striving for equitable outcomes and social responsibility is also an important part of business. Business have a responsibility to contribute positively to society. Thus, ethics plays a very crucial role in it .

NAME JIYA SHUKLA
ROLL NO. 23BBA060

CONFLICT RESOLUTION IN WORKPLACE

Following Steps can be used to resolves conflicts in the workplace:
Identify the problem clearly understand the root cause of the conflict by listening to all parties involved. Focus on facts not emotions or assumption. Encourage open communication. Create a safe space for employee to express their views. Active listening and respect are essential for contractive dialogue. Seek common ground . Identify share goals and interests to build a foundation for cooperation. Highlight areas of agreement to facilitate mutual understanding. Develop solutions collaboratively ensure all parties feel their input is valued and work toward a win-win outcome. Follow up and maintain. After resolving the conflict, monitor the solution to prevent recurrence promote a positive work culture to minimize future disputes.
These steps ensure conflicts are managed effectively, maintaining productivity and TEAMWORK.

Name: SURBHI
Roll No. 23BBA056

SUCCESSION PLANNING FOR FUTURE LEADERSHIP

Succession planning is a business strategy that helps organizations prepare for the future by identifying and developing the next generation of leaders. It is a critical process for ensuring that a business can continue to run smoothly when important people leave, retire or pass away. An effective succession plan prepare for potential changes in the company, especially in leadership roles, by anticipating future needs and fostering employee development, it can also provide a liquidity event, which enable the transfer of ownership in a going concern to rising employee succession planning is a good way for companies to ensure that business are fully prepared to promote and advance all employees not just those who are at management or executive levels. Succession planning involves preparation rather than pre-selection.

NAME ANAMIKA
ROLL No. 22BBA008

THE ROLE OF COMMUNICATION IN SUCCESSFUL MANAGEMENT

Effective Communication is a Cornerstone of successful management . It plays of pivotal role in every aspect of organizational leadership from setting clear goals to fostering teamwork. enhance productivity and ensuring smooth operations in the complex and dynamic world of business, managers are not only tasked with overseeing tasks but also members of the organization understand expectations are aligned with goals, and collaborate effectively. The article explores the significance of communication in management and how it contributes to the success of an organization.

Communication Plays a crucial role in successful management as it is the foundation of effective leadership decision making and organizational functioning. The role of communication in successful management is integral, as it directly impacts the efficiency, effectiveness and overall success of the organization management must pass on the information to everybody in organization good communication

advises as well as assists with making a individuals to feel like they have a place with and need to help the organization effective communication is the lifeblood of business management

NAME:- NIKHIL
ROLL No. 24BBA021

BUILDING A POSITIVE ORGANIZATIONAL CULTURE

Creating and maintaining a positive organizational culture involves fostering an environment where employees feel valued,motivate and aligned with the organization goals. A positive culture emphasize collaboration, open communication, respect, and shared values, with contribute to employee satisfaction and overall productivity.

Leader play a crucial role in shaping this culture by modeling the desire behaviour and setting clear expectations. They can encourage positivity by recognizing achievements, promoting inclusivity and addressing challenges constructively transparent communication and opportunities for professional growth further strengthen the work place environment.

Additionally, cultivating trust and empowering employee to contribute their ideas and skills fosters a sense of belong and purpose. when individuals feel connected to the organization's mission and values, it create a unified and engaged workforce, paying the way for long-term success. By consistently nurturing these element organizations can build a strong foundation of positivity that drives innovation, efficiency and employee well being.

Name-MEHAK
Roll No. 23BBA015

THE ROLE OF EMOTIONAL INTELLIGENCE IN MANAGEMENT

Emotional Intelligence EI is the ability to identify, understand and manage your own emotions as well as the emotions of the others. it is a key factor in successful management because it helps leaders
Build Trust and respect. Emotionally intelligence management can create a sense of shared purpose and commitment to common goals they can also build trust and respect with their team, which can lead to improved performance. motivate and inspire emotionally intelligent managers can understand others motivations and inspire good work. They can also relognize and acknowledged the hard work and dedications of their team members. Build stronger team emotionally intelligent managers can create a work environment where employees feels a comfortable sharing ideas and feedback.

NAME-PAYAL THAKUR
ROLL No. 23BBA001

PERFORMANCE APPRAISAL METHODS

Performance Appraisal Methods are Systematic ways of accessing an employee's job performance, skills and behavior to make decision about promotions, rewards development and other human resources activities. Employee Receive feedback form their supervisor peers, subordinates and sometimes customers. provide

comprehensive view of an employee's performance . A Scale is used to evaluate various employees traits or a scale (eq 1to 5) combines elements of the graphics rating scale and critical incidents behaviors that are anchored to different performance levels. Provides more detailed and specific feedback can be time consuming to develop focuses on recording particularly effective or ineffective behavior in relation to job performance helps identity specific actions that contribute to success or failure employee assess their own performance identifying strengths and areas for improvement.

NAME :- KRITIKA

ROLL No. 22BBA026

BUSINESS COMPETITION

In Today's fast-paced and inter connected world, business competition is more intense than ever. Whether you're a small startup or an established industry leaders, understanding the dynamics of competition is crucial for long term success. This competition article delve into the nature of business competition, its types and effective strategies to stay ahead in the market business competition refers to the rivalry between companies striving to attract customers, increase sales and achieve market dominance. It drives innovation, improves product quality and often benefits consumers through better pricing and service. Understanding customer preferences, market trends, and competitor weaknesses allows business to tailor their strategies effectively. Staying ahead by developing unique products, adopting cutting edge technology or creating efficient processes can set a company apart. Prioritizing customer satisfaction through exceptional service personalized experiences and value added benefits builds brand loyality Reducing operational cost while maintaining quality enables companies to offer competitive pricing creating a distinct brand identity, whether through superior quality ethical practices or unique offerings attracts niche markets.

Name:-SAKSHAM SHARMA

Roll No. 24BBA 027

START-UPS

There's an Essential, Intangible Something in the start-ups an energy, a soul. Company founders sense its presence. So do early employees and customers. It inspires people to contribute their talent ,money and enthusiasm and foster a sense of deep connection and mutual purpose. As long as this spirit persists, engagement is high and start-ups remain agile and innovative, spurring growth. But when it vanishes ,ventures can falter and everyone perceives the loss something special gone. The first person I heard talk about "the soul of a start-up" was a fortune 500 CEO, who was trying to revive one in his organization. Many large companies undertakes such "search and rescue" initiatives, which reffect an unfortunate truth as a business matures, its hard to keep its original spirit alive. Founders and employees aften confuse soul with culture and in particular, the freewheeling ethos of all nighter, flexible job descriptions, t-shirts, pizza, free soda, and a family like feel they notice and wax nostalgic about it only when it wanes. Investors sometimes run roughshod over a company's emotional core, pushing a firm to "professionalize" and to pivot in response to market demands.

And organizations trying to recover an "entrpreneurial mindset" tend to take a superficial approach, addressing behavioral norms but failing to home in on what really matters. Over the past decade ,I've studied more than a dozen fast growth ventures, conducting 200 plus interviews with their founders and executives in an attempt to better understand this problem and how it can be overcome. I've learned that while many companies struggle to retain their original essence, creativity, innovativeness, and plan some have managed to do so quite effectively, there by sustaining strong stake holder relationships and ensuring that their ventures continue to thrive so often entrepreneurs, consultants and scholors like myself emphasize the need too implement structure and systems as a business grows, missing the importance of preserving its spirit. We can and should focus on bath with effort and determination leaders can nurture and protect what's right and true in their organizations perhaps not surpisingly, investors and founders seen to harbor different views on whether start-ups have souls on my research I found that some executives at VC and private equity firms tended to discount the nation as an illusion or irrelevant their focus was on applying professional management and process discipline to their portfolio companies.

Name :- ADITYA RANA
ROLLNO- 24BBA045

ARTIFICIAL INTELLIGENCE IN BUSINESS ADMINISTRATION

Today business are employing artificial Intelligence in a variety of ways to improve efficience save time and decrease cost with continued advancements. AI is quickly becoming a precious resource for companies across industries to better understand. How business use AI tools forbes advisor surveyed 600 business owners using or planning to incorporate AI in business the results revealed AI's impact on areas such as cyber security, fraud management content, production, customer support including the use of top chart board.

Business are turning to AI to a greater degree to improve the perfect their operation. AI tools support human employees in their roles often. AI technology improves productivity by handling repetitive or time consuming tasks freeing up employees for more complex strategy work.

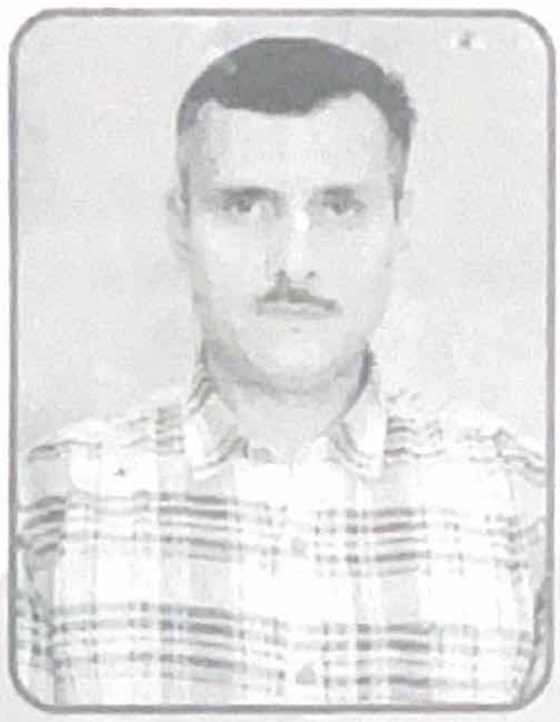
Name- VANS SHARMA
ROLL NO- 24BBA04

AMBIKA

MAHARANA PRATAP GOVT. COLLEGE
AMB UNA (H.P.)

2024-25

PLANNING FORUM



STAFF EDITOR
PROF JAMEET KUMAR



STUDENT EDITOR
ANJALI KUMARI
M.COM 4TH SEM.

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REGIONAL ECONOMIC INTEGRATION.

Regional Economic integration can best be defined as an agreement between group of countries in geographic region, to reduce and Ultimately remove tariffs and non- tariff barriers to free flow Of goods, services, and factor of production between each other→

Advantages of Economic Integration :-

1. Trade benefits

2. Employment and Political cooperation. Levels of Regional Economic Integrations-1 preferential Trading Area → Also known as Economic Cooperation.→ Reduces the tariffs among the member countries.

2. Free Trade Area →Eliminate the tariffs among the member countries.

3. Custom Union →Common external tariffs.

4. Common market→Free movement of factor of production.

5. Economic Union → Common Currency, harmonized tax and monetary policies.

6. Political Union. Highest level of integration→

Regional Trade Agreements :-

(I) European Union (EU) → Established - 1993 → (Under Maastricht Treaty)

→ Headquarter - Brussels (Belgium)→Members

-27 Countries (After Brexit 2020)Last entered member country (2013) (Croatia)

1951-52-(Treaty of Paris) » EU Steel Commission

1957-(Treaty of Rome) → EU (common Market)

1985-(Schengen Agreement) -> (Travell Visa)

1993-(EU Maastricht Treaty) → Netherland.

1999-EU Monetary Euro launched for international trade.

(ii) Association of southeast Asian nations (ASEAN)-

Established- 8 Aug.1967 in Bangkok, Thailand. Headquarter- Indonesia Jakarta.

Members- 10 member states

* The Motto of ASEAN is " One Vision, one identity, one community.

* India is the part of ASEAN+6 countries.

(iii) South Asian association for regional cooperation (SAARC).

Established- 8 December, 1985 in Dhaka(Bangladesh)

Headquarter- Kathmandu , Nepal

Members- 8 member countries (including India).

Objectives - 1. To promote the welfare of the people of South Asia and improve their quality of life.

2. To accelerate economic growth, social progress and cultural development.

* Areas of cooperation - HRD Tourism, agriculture & rural development, economic trade and finance, education, security & culture.

Name:- Anjali Kumari.

Roll No.23MCOM026.

The Commerce Spirit.

In the world of trade,we take our place,
Balancing numbers with steady grace.
Profit and loss, a daily tale,
Navigating through every sale.
Ledgers open, pens in hand
Building dreams with every brand.
Economics guides, the market sways,
In commerce halls,we spend our days.
Supply and demand, a constant fight,
Seeking the balance, day and night
Taxes, audits, law to abide,
Integrity is our trusted guide.
Marketing minds and accounting art,
In the world of business, we play our part
Innovating paths, ideas take flight,
In commerce, our future shines brights.
So here's to the Commerce crew Dreaming big, breaking through. With ambitions strong and vision clear, success in commerce, always near!

Name Alisha
Roll No. 22BCM096.

The Heart of Commerce.

Commerce stand,a vibrant thread in life's great fabric, finely spread from bustling markets to corporate floors.
It open wide the worlds grand doors. Balance sheets and profits charts
Every deal a work of art
Trading goods, exchanging dreams.
Building bridges across streams.
Stock exchanges, rising graphs
Entrepreneurial mind taking chaff
from small startups to ventures grand
commerce shapes the working land.
Marketing whispers ,strategies bold
Stories of value yet untold.
Accounts may balance, but hearts align.
In commerce flows the human design
with ethics strong and vision wide,
commerce walks,a trusted guide in every transaction, a story we find,A blend of numbers and the human mind.

Name :- Anuja Mehra.
Roll No. 22BCM020.

वाणिज्य का संसार

वाणिज्य है सपनों का जहान,
जहां मेहनत का होता सम्मान ।
लेजर, खाते और बजट की बात,
बनाते हैं भविष्य, दिन और रात।
मांग और पूर्ति का चलता खेल,
हर सौदे में छिपा है एक मेल ।
नफा नुकसान का संतुलन साथ,
ईमानदारी से बढ़ते हर एक राह ।
मार्केटिंग की तरकीबें नई,
ब्रांडिंग से होती पहचान सही ।
ग्राहकों से रिश्ता गहरा बनाएं,
व्यापार की नींव मजबूत कर जाएं ।
सपने देखें, कदम बढ़ाएं,
वाणिज्य के संग ऊंचाई पाएं ।
कडी मेहनत से चमकते सितारा,
वाणिज्य है सबका सच्चा सहारा ।

Name :- Isha Sharma
Roll No.:- 22BCM024

The Role of Commerce in Nation Buildings

Commerce serves as the backbone of any nation, driving. Its economic growth, creating employment opportunity and fostering innovation. It connects producers with consumers, industries with markets and nations with global trade networks. A robust commerce system contributes significantly to the development and prosperity of a country. This article explores the multifaceted role of commerce in nation building.

1. Economic growth and Development

Commerce is a key driver of Economic growth. It facilitates the exchange of goods and services generating revenue for individual business, government. By promoting trade and industry commerce helps in building a self-reliant economy. The revenues collected through taxes and trade tariffs fund infrastructure development, education and public service, contributing to national progress.

2. Employment Generation

Commerce creates diverse job opportunities across sectors, from retail and logistics to manufacturing and finance. Small business, startups, and multi national corporations thrive in a well organised commercial environment, offering employment to millions. This reduces poverty, improves living standards and empowers individuals to contribute to the economy.

3. Promoting Entrepreneurship

Entrepreneurship is a vital element of commerce that fuels innovation and competition. Entrepreneurs introduce new product and services, disrupt traditional markets ,and address unmet consumers needs. Programs like make in India and startup India encourage young minds to explore business opportunities, boosting economic dynamism and fostering a culture of innovation.

4. Strengthening Global Trade Relations

Commerce connects nation through trade import-export activities not only boost the economy but also strengthen diplomatic ties India's growing presence in the global market, with exports of goods like textiles, pharmaceuticals and IT services, positions it as a major economic player on the world stage. Such trade relationship foster mutual growth and stability.

5. Development of Infrastructure.

Commerce necessitates the development of Infrastructure such as roads, ports and communication system to facilitate trade. This development, in turn, boosts industrial connectivity between rural and urban areas. Enhanced infrastructure supports regional development and reduces economic disparities.

6. Contribution to Tax Revenue.

A thriving commerce sector is a significant source of tax revenue for the government. Income from corporate taxes, gst,and trade tariffs funds essential public services like healthcare, education,and national defense. This revenue plays a crucial role in nation building by ensuring equitable resource distribution.

7. Encouraging financial literacy and inclusion.

Commerce promotes financial literacy and inclusion by faniliarining people with banking, investment and digital payments. The rise of Fintech solutions like UPI and mobile wallets has brought financial services to rural and under privileged areas empowering citizens and promoting economic equality.

Conclusion.

The role of commerce in nation building is undeniable. It not only strengthens the economy but also fosters social and regional development. A thriving commerce sector empowers individuals boosts innovation and ensures global integration. For a nation like India, with its vast potential and diverse resources, commerce is the engine that drives progress. By promoting fair trade practices supporting local industries, and embracing sustainable development, commerce can pave the way for the prosperous and self reliant nation. Every individual, as a consumer, entrepreneur, or policy maker, has a role to play in leveraging commerce for nation building let us harness this powerful tool to create a brighter future for our country

Name :- Rahul Sharma
Roll No. 22BCM052

Impact of Artificial. Intelligence on Finance.

Financial institutions are leveraging AI to enhance security measures and detect fraudulent activities. In the finance industry, AI is being used for fraud detection, algorithmic trading, risk assessment and customer service. AI powered chatbots and virtual assistants are automating customer interactions, reducing response times, and improving customer satisfaction.

One of the most significant impact of AI in finance is the automation of manual tasks. AI plays a vital role in enhancing risk management in the finance industry. By analyzing vast amounts of historical data, AI algorithms can predict market trends, detect anomalies, and assess risk probabilities more accurately .This helps in making informed investment decisions, preventing fraud ,and mitigating risk associated with financial instruments .AI plays a pivotal role in risk management with in financial sector. AI has transformed the way financial institutions interact with their customers.with the help of AI powered chatbots, personalized customer support can be provided 24/7.

Name :- Vrindika
Roll No.23BCM033

SOCIAL ISSUE

.Decriminalization for homosexuality. Women's entry into Temples. The Ordinance Banning instant triple talaq The Law Commission's work on uniform civil Code. Deriminalization of adultery. The Aspirational Districts Programme Using artificial intelligence to light Covid -19 Depression, a mood disorder that can interfere with daily activities. Poverty, unemployment, migration crime, drug abuse, childabuse and more Pollution, illiteracy, corruption, gender inequality, and Violence against women.There are a lot of Social issue we are facing right now, some more prominent than the others. First of all Poverty is a worldwide issue. It gives birth to lot of other social issues which we must try to get away with the earliest. Further, countries like India, Nepal, Bangladesh, Sri Lanka, Pakistan and more facing caste issue of the caste. It results in a lot of caste system violence. and inequality.

CONCLUSION.

A Society can successfully end Social issues if they Become adamant These social issues actas barrier to the progress of society. Thus we must all Come together to fight against them and put them to an end for greater good.

Name :- Sezal Sharma

Roll No. - 22BCM044

Budget

A budget is a financial plan for a defined period of time, usually a year. It may also include planned scales volumes and revenues, resources, quantities, cost and expressed assets liabilities and cash flows, Companies, government families and other organization use it td express strategic plans of activities or events in a measurable terms.

Types of Budget :-

1) Master Budget - A Master budget is an aggregate of a company's individual budgets designed to present activities.

(2) Operating Budget- It is a forecast and analysis of projected income and expenses over the course of specified time period

3). Cash flow Budget - It is a means of projecting how and when cash comes in and flows out of business within specified time.

4) Financial Budget- It present a company's strategy for managing its, Assets, cash flow, income and expenses.".

5) A static budget is a fixed budget that remain unaltered regarded of changes in factors.

Name :- Ankita

Roll 23 BCM056

Consumers Protection Act 2019

"Market-Consumer=zero".

In India the protection of the right of the consumers ,is administered by consumer protection act,2019. The consumer protection act 2019 was introduced to replace the consumer protection act,1986. The consumer protection act,2019 was enacted by the Indian legislature to deal with matters relating to violation of consumers rights, unfair trade practices, misleading advertisement, and all those circumstances which are prejudicial to the consumers rights. The intention of the parliament behind enacting the act was to include provisions for e consumers due to the development of technology, buying and selling of goods and services online have considerably increased during the last few years.

Name :- Himanshu.

Roll No. :- 23BCM012

SEBI

SEBI stands for Securities and Exchange Board of India. SEBI is a statutory regulatory body established on 12 April, 1992. It monitors and regulates the Indian capital and securities market while ensuring to protect the interests of the investors, formulating regulations and guidelines. The head office of SEBI isat Mumbai. The chairman of SEBI isnominated by the Union Government of India.Two officers from the Union Finance MinistryOne member will be appointed from theReserve Bank of India. Five other memberswill be nominate by Union government ofIndia. SEBI promotes the development of securities market and regulates the business "...to protect the interests of investors in recurities and to promote the development ofand to regulate the securities market and farmatters connected therewith are incidental thereto"

Name :- AnushkaVashisht.

Roll No. 23BCM058

GST (Goods and Services Tax)

Goods and Services Tax (GST) refers to an indirect tax. This tax come into effort from 1 July 2017 through the implementation of the One Hundred and first Amendment to the Constitution of India by the Govt. of India. The collection of this tax takes place from the point Consumption is in to collection from point of Origin like previous taxes furthermore this taxs imposition is at every step in the production process . The refund is for all the parties in the Various stages of production. Also GST includes almost all indirect taxes.

In GST, the Goods and Services are divided into five different tax slabs. This is for the purpose of the tax collection. Above all the tax slabs are 0%, 5%, 12% 18%. and 28%. Also petroleum products, alcoholic drinks, and electricity do not come under GST. Rough precious and semi-precious stone Carry a special rate of 0.25 %. Gold also Carries a special rate of 3% .

Name Riya

Roll No. 23BCM060

BUSINESS DATA ANALYTICS

There is a Saying 'data is the new oil. Over the few years, with the advent of increasing computing power• and availability of data, the importance and application of data science has grown exponentially. The field of finance and accounts has not remained untouched from this waves. In fact, to become effective finance and accounts professionals, it is very important to understand analyse and evaluate data sets

Why is Business Data Analytics important?

Business data analytics is essential for organizational to stay competitive, innovative ? and efficient. Here are some reasons why -

Informed Decision- Data-analytics provides businesses with accurate and timely insights enabling them to make Informed decision that drive growth and profitability

Improved Operational Efficiency By analyze data on processes, businesses can identify areas of inefficiency and optimize operations to reduce costs and enhance productivity.

Enhanced Customer Experience:- Data analytics help business understand customer behaviour, preferences and needs enabling them to create personalized experience that drive loyalty and retention.

Competitive Advantage:- Organisations that leverage data analytics effectively can gain a significant competitive advantage out performing their peers and achieving sustainable growth.

Benefits of Business Data Analytics:- The Benefits of business data analytics are numerous far-reaching. Some of the most significant advantage include:-

1. Increased Revenue : Data-driven insights can help businesses identify new revenue streams, optimize pricing and improve sales forecasting.

2. Cast Reduction: By analyzing data on processes operations, businesses can identify areas of inefficiency and reduce costs

3 Improved Risk Management - Data analytics can help businesses identify potential risks, assess their likelihood and impact, and develop strategies to mitigate them.

4. Enhanced Innovation - Data analytics can help businesses identify new opportunities for innovation, enabling them to stay ahead of the competition and drive growth.

* Impact of Business Data Analytics on the world:- It Impact extends far beyond the boundaries of individual organisations. It has the potential to transform industries economies, and societies as a whole. Some of the ways in which business data analytics is changing the world indude

1. Improved Health care - Data analytics is being used to improve health care outcomes, reduce costs and enhance patient experiences.

2. Sustainable Development: Data analytics is helping organizations to reduce its environmental impact, optimize resource usage and promote Sustainable development.

3. Economic Growth :- Data analytics is driving economic growth by enabling businesses to make informed decisions optimize operations, and identify new opportunities for innovation.

4. Social Impact: Data Analytics is being used to address Some of the world's most pressing social challenge including poverty inequality and access to education .

Conclusion:- Business data analytics is a powerful tool that has the potential to transform organizations industries, and societies. By leveraging data analytics, businesses can gain a competitive Advantage drive growth and improve operational efficiency. As the world Becomes increasingly data-driven, the importance of business data analytics will only continue to grow.

Name Anmol Dadwal
Roll No. 23BCM002

Importance of Tax

The Government of every Country requires funding to aid it In carrying out its necessary functions and duties. These Include Operating public institutions developing the country's Infrastructure and financing public welfare initiatives and Schemes. In exchange for providing these amenities a government generates. the revenue required for thêm by taxing its citizens To make this process efficient, every country has a proper taxation process laid out by its government. India, with its wide distribution of Income earners and sources of revenue is no different. It places value in the Importance of taxes across the board and marks an important distinction between its major types of taxes.

Tax System In India

India has a structured tax system and the importance of taxes are defined by two attributes-Progressive and proportional. It is progressive in that the tax is levied at increasing rates to increasing brackets of income and revenue. Any changes in tax rates, brackets and Slabs are determined largely by the central and State governments and must be accompanied by a law passed by the Parliament or State legislature.

Types Of Taxes In India

Direct Taxes

Direct taxes display the importance of taxes by reducing income equalities with its progressive tax structure.

Citizens are taxed in proportion to their economic circumstances, there by encouraging Social and economical equality.

Indirect Taxes:-

The Importance of taxes for the government when it comes to Indirect taxation is that they are an automatic function that accompany the buying and selling of goods and services across the country

Name = Sagar

Roll No:23 BCM007

CYBER SECURITY

Cyber security protect digital systems networks and data from unauthorized access theft or damage. It involves implementing various measures and technologies to ensure the Confidentiality, Integrity, and availability of information stored and Processed on computes Systems. Three Critical aspects of cyber security are:

Prevention :- Implementing security measure to prevent Un authorised access or breaches.

Detection:- Identifying potential threats and vulnerability in a system.

Response: - Taking necessary actions to mitigate the impact of a security incident A robust Cyber security strategy is essential for businesses and organisation to protect the digital assets, maintain customer trust and Comply with regulations. A Cyber attack Can disrupt your business operations, causing downtime and loss of productivity. Ensuring that your company has a robust cyber security Strategy in place helps maintain the Continuity of your operations and minimizes the potential for costly Interoptions. customer are becoming increasingly aware of the importance of protecting their data. By demonstrating a strong commitment to cyber security business can build trust with their customers leading to increased loyalty and long-term relationships.

Name Aniket Kumar

Roll no. 23BCM010

मैं तो हूं व्यापारी

मैं तो हूं व्यापारी ।
मैं तो हूं व्यापारी , बस सामान बेचता हूं,
पैसों के अंधों को देखो ईमान बेचता हूं ।
प्रजातंत्र के मन्दिर का मैं एक पुजारी हूं
अंधे बहरों को आंख और कान बेचता हूं ।
सब होंगे खुशहाल, हर घर लक्ष्मी वास,
झूठ को भी देखो कैसे सच मान बेचता हूं ।
कोई भूख से मरता है, कोई चढता फासी ,
इन भूखे नंगो को मुआवजे दान बेचता हूं ।
नारीशक्ति का नारा था, देवी तो बना दिया,
फिर बीच चौराहे उसका सम्मान बेचता हूं ।
कौन युवा है कौन लडेगा, किसको चिंता,
नतमस्तक वीरों को तीर कमान बेचता हूं ।
निज धर्म निभाता हूं तेरा भी हुंकार रहे,
शब्दों में संदेश नही, बस प्राण बेचता हूँ ।

Name Shalu

Roll No. 21BCM014

अम्बिका

महाराणा प्रताप राजकीय महाविद्यालय
अम्ब, जिला ऊना (हि0 प्र0)

2024-25

संस्कृत अनुभाग



प्राध्यापक सम्पादक
डॉ0 अजय शर्मा



छात्र सम्पादिका
विशारदा शर्मा
बी0 ए0 तृतीय वर्ष

अनुक्रमणिका

क्रमांक	विषय	विद्यार्थी का नाम
1	सम्पादकीय	विशारदा शर्मा
2	योगस्य महत्वम्	कोमल
3	आचार्य जीवनस्य परिवर्तनकर्ता	विशारदा शर्मा
4	प्रकृतिः	युक्ति देवी
5	डॉ0 ए0 पी0 जे0 अब्दुल कलाम् शिक्षायाः परिवर्तनम्	शिवान्गी
6	सर्वेभ्यः शिक्षिकाभ्यः शिक्षकेभ्यः च समर्पितम्	यास्मीन
7	संस्कृतभाषायाः महत्वम्	पायल चौधरी
8	जीवने जलस्य महत्वं	कोमल
9	पर्यावरणम्	प्रियंका
10.	दूरदर्शनस्य लाभः नष्टाः च	दिव्या सूद
11	वसुधैव कुटुम्बकम्	दिशा गौतम

सम्पादिका की कलम से

प्रिय साथियों,

महाविद्यालय की पत्रिका अम्बिका के संस्कृत अनुभाग की छात्रा सम्पादिका का कार्य मुझे सौंपा गया है। मैं आभारी हूँ संस्कृत के प्राध्यापकडा0 अजय षर्मा के मार्गदर्षन एवं मित्रों के सुझावों ने मुझे इस कठिन कार्य को सरल बनाने में मदद की है । रचनाओं में मौलिकता की सबसे बडी चुनौती है। इसलिए मौलिकता, गुणात्मकता तथा सृजनात्मकता को अभिव्यक्त करने वाली रचनाओं एवं प्रेरक प्रसंगों को यथावत स्थान देने का प्रयास किया गया है। विद्यार्थी चिंतन, मनन और अध्ययन करने के बाद यदि लेखन करें, तभी पत्रिका की सार्थकता होगी । इन्हीं षब्दों और मंगलमय कामनाओं के साथ प्रस्तुत है महाविद्यालय की पत्रिका अम्बिका का 2024–25 का संस्कृत अनुभाग ।

छात्रा संपादिका (संस्कृत अनुभाग)
नाम विषारदा षर्मा
कक्षा बी,ए. तृतीय वर्श
अनुक्रमांक 22HIS084

योगस्य महत्वम्

योगः अस्माकं सर्वेशां कृते अतीव लाभप्रदः अस्ति ।
योगः एकः प्रकारः प्राचीनः अभ्यासः अस्ति ।
योगं कृत्वा षरीरं स्वस्थं भवति ।
योगेन अनेके रोगाः चिकित्सिताः ।
योगः मनसः षरीरस्य च कृते अतीव लाभप्रदः अस्ति ।
योगं कुर्वन् सर्वः रोगाभ्यां दूरं तिश्ठति ।
योगेन षरीरं योग्यं चपलं च भवति ।
योगः अस्माकं मनः चिन्ताभ्यः मुक्तौ अपि सहायकः भवति ।
योगः सर्वेशां बालकानां प्रौढानां च कृते अतीव लाभप्रदः अस्ति ।

नाम कोमल
कक्षा बी,ए, तृतीय वर्श
रोल 22HIS078

आचार्यः जीवनस्य परिवर्तनकर्ता

आचार्यस्य महत्वं केवलं षस्त्रस्य षिक्षकेन न निर्धारितं अस्ति, अपितु तस्य जीवनस्य हरिणेण दीप्त्या षिश्याणां अन्तः करण आलोकयन् भवति । आचार्यः स एव यो षिश्यस्य हदयम् स्पृष्य, तस्मिन् ज्ञानसंपदा, नैतिकता, आत्मविष्वासं च निर्माति । सः केवल पाठान् न सिख्यति, अपितु षिश्यस्य आत्मानं। चिन्तयितुम, सप्रानां पथं परिश्रमितुम, तदा जीवनस्य अर्थ सग्ज्ञातुम प्रेरयति ।
यथा उपनिशदेशु कथितम्–
विद्यया अमृतमष्नुते
अर्थात् विद्याया मनुश्यः अमृतत्वं प्राप्तुते, आचार्यः
सः सेतुर्भवति यः षिश्य तस्मै मार्गे प्रेरयति ।
गुरवः सः न केवलं पुस्तकमधिश्ठतं ज्ञानं प्रदते अपितु षिश्यस्य अन्तरात्मनि दीपः प्रज्वालयति । यथा

दीपः प्रदीप्तो भूत्वा अन्यान् दीपान् प्रज्वालयति, तथैव आचार्यः षिश्यस्य ज्ञानं प्रसारितुं समर्थ करोति, यः समाजे प्रकाषमण्डलं सृजति ।

यथोक्तं–

उपदेश्टारमाध्यंयमाचरांत सदा त्दिजाः ।
यथाचरित तेशां हि तन्मूंल षिश्यवर्गतः ।।

अर्थात्

षिश्याः गुरोः मार्गदर्षनं सदैव
अनुसरन्ति तेशाम् आचरणं आचार्यस्य प्रतिविम्ब भवति ।
आचार्यः केवल एकं नाम न, अपितु जीवनस्य सर्वाधिकं षक्तिरूप प्रेरणास्त्रोतं अस्ति । तेन सह यात्रायां षिश्यः आत्मानं नूतनेन दृश्टिकोनतः पष्यति यः केवल ब्रह्म दृश्टिः न अपितु आत्मनं अविश्कारं करोति ।
अतः आचार्यः सः एव दो न केवलं
षिश्यस्य विर्दतां निर्माण किरोति अपितु तं
आत्मसाक्षात्काराय मार्ग प्रकाषयति तस्मै नमः ।

नाम विषारदा षर्मा
अनुक्रंमाक 22HIS084

प्रकृतिः

प्रकृतिः माता सर्वेशाम्
बहूनाम् अपि फलानाम्
बहूनाम् अस्ति वृक्षाणाम्
पुश्पाणाम् चापि मानेयम् ।
भ्रमराणां पषूनां
पक्षिणां च मानास्ति
जनेभ्यः जीवनं सदा
ददाति प्रकृतिः माता ।।
अस्ति सा तु मनोहरी
मानृणाम अपि मानास्ति
प्रकृतिः माना सर्वेशाम्
नमोऽस्तु ते मात्रे प्रकृत्यै ।।

नाम युक्ति देवी
अनुक्रंमाक 22ENG027

डॉ. ए. पी. जे. अब्दुल कलाम शिक्षायाः परिवर्तनम्

डॉ. ए. पी. जे. अब्दुल कलामः, भारतस्य प्रसिद्व वैज्ञानिकः च ष्वः राश्ट्रपति च, सर्वदा उत्तम बुद्विपूर्वकः न आसीत्। तमिलनाडु राज्यस्य रमेष्वरम् नगरस्य विद्यालये युवा अब्दुल कलामः प्रारम्भे काले गणिते कठिनायाम् अपि आसीत्।

एकदा, तस्य गणितषिक्षकः श्री सिवसुब्रमण्यम् अय्यरः, कलामस्य गणितसमस्याः कठिनाः इति दृश्वा, तस्य विषेशं समयं यथायोग्यम् उपयुक्तवान् । अय्यरः कलामं प्रतिदिनस्य विद्यालयस्य उपरि

व्यक्तिगत कक्षायाः षिक्षाम् दातुम निर्णयं कृतवान् । सर्वथा समस्याः समाधानं एव न आसीत्, अय्यरः कलामं गणितस्य सौन्दर्यम् च तस्य तात्त्विकताम् च अङ्गीकृतवान् । तस्य षिक्षकस्य श्रद्धा, संघर्शः च, कलामस्य संकल्पं जगाति यः केवलं गणिते न केवलं सम्पूर्णजीवने प्ररेणां प्राप्तवान् । जीवने यदा कलामः भारतीय अंतरिक्ष अनुसन्धानसंस्थानस्य प्रमुखः जातवान्, यदा भारतस्य मिसाइल च नाभकीय योजनायाः योगदानं कृतवान, तदा सः आत्मनं षिक्षायाः ऋणं प्रकटितवान् ।

कलामः एकदा उक्तवान् – यदि विफलः भविश्यसि, कदापि न त्यजः, यः F.A.I.L इति First Attempt In learning इति अस्ति । अन्तः न अन्तः, वास्तवतः E.N.D इति Effort Never Dies इति अस्ति । यदि तव उत्तरं No अस्ति, तर्हि N.D. इति Next Opportunity इति अस्ति । अतः सकारात्मकः भव ।

नाम षिवांगी
अनुक्रमांक 23POL028

सर्वेभ्यः शिक्षिकाभ्यः शिक्षकेभ्यः च समर्पितम्

किम् अस्ति तत् पदम्
यः लभते इह सम्मानम्
किम् अस्ति तत् पदम्
यः करोति देषानाम् निर्माणम्

किम् अस्ति तत् पदम्
यम् कुर्वन्ति सर्वे प्रणामम्
किम् अस्ति तत् पदम्
यस्य छायायाः प्राप्तम् ज्ञानम्

किम् अस्ति तत् पदम्
यः रचयति चरित्र जनानाम्
'गुरू' अस्ति अस्य पदस्य नाम
सर्वेशाम् गुरूणाम् मम षतं षतं प्रणामः ।

नाम यास्मीन
अनुक्रमांक 23SKT001

संस्कृतभाषायाः महत्वं

संस्कृतभाशा विष्वस्य सर्वासु भाशासु
प्राचीनतमा सर्वोतमसाहित्यसंयुक्ता चास्ति ।
संस्कुता परिषुद्धा व्याकरणसम्बन्धि दोशादिररहिता ।
संस्कृतभाशेति निगद्यते। प्राचीने समये
एशैव भाशा सर्वसाधारणा आसीत् । सर्वे जनाः
संस्कृतभाशाम् एव वदन्ति स्म ।
एशा एव अस्माकं पूर्वजानाम् आर्याणां सुलभा, षोभना, गरिमामयी च वाणी ।
संस्कृतभाशायामेव विष्वसाहित्यस्य सर्वप्राचीनग्रन्थाः

चत्वारो वेदाः सन्ति येशां महत्वमद्यापि सर्वोपरि वर्तते ।
भास – कालिदास –अष्वघोश–भवभूति–दण्डि – सुबन्धु – बाण – जयदेव प्रभृतयो महाकवयो नाटककाराष्च संस्कृतस्य प्रयोगः भवति ।
अधुनाऽपि सङ्गणकस्य कृते संस्कृतभाशा अति उपयुक्ता अस्ति । संस्कृतभाशैव भारतस्य प्राणभूता भाशा अस्ति राश्ट्रस्य ऐक्य च साधयति । भारतीय गौरवस्य रक्षणाय एतस्याः प्रसारः सर्वैरेव कर्त्तव्यः । अत एव उच्चते – संस्कृतिः संस्कृताश्रिता ।

नाम पायल चौधरी
रोल नं0 22HIS023

जीवने जलस्य महत्वं

जलस्य महत्वम् संस्कृत निबंधः वैज्ञानिकानाम् अभिप्रायेण जलम् इति द्रवरूपः पदार्थ आम्लजनक–जलजनकयोः संयोगेन सम्भवति, भूतले विद्यमानस्य जलस्य प्रतिषतं नवतिभागः समुद्रेशुएव दृष्यते । मानवषरीरेऽपि प्रतिषतं शश्टिभागः जलेनैव पूरितः । जलेन विना मानवानां जीवनम् अतीव दुश्करं भवति । पृथिव्यां विद्यमानस्य जलस्य मूलानि वर्शा, हिमः नद्यः सरित, पल्वलानि, भूमावन्तर्गतं जलम् इत्येतानि भवन्ति, जलस्य प्रभावेण मरूस्थले अपि वृक्षाः उद्भवन्ति संस्कृते जलस्य बहूनि नामानि सन्ति यथा – उदकं, नीरं, वारि, तोयम्, पानाय, भोजनिर्माणाय भोजनाय च जलस्य आवष्यकता अस्ति । स्नानाय, वस्त्रप्रक्षालनाय गृहस्वच्छतायै च जलम् उपयुज्यते। पृथिव्यामुलपल भ्यमानस्य जल द्विप्रतिषतभागस्य अपेक्षया न्यूनमेव प्राणिनां मनुश्याणां च जीवनोपयोगाय योग्यं भवति, पृथिव्यां जलं पर्याप्तम् अस्ति । अतः पृथिवी नीलग्रहः इति उच्चते ।

नाम कोमल
अनुक्रमांक22HIN024

पर्यावरणम्

पर्यावरणम् मानव जीवने अतिमहत्वपूर्ण स्थानं वर्तते । वयं वायुजलमृदाभिः आवृते वातावरणे निवसामः । पर्यावरणेनैव वयं जीवनपयोगिवस्तुनिः प्राप्नुमः जलं वायु च जीवने महत्वपूर्णो स्तः । साम्प्रतः षुद्धं पेयजलस्य समस्या वर्तते । अधुना वायुरपि षुद्धं नास्ति एवमेव प्रदूशित – पर्यावरणेन विविधाः रोगा जायन्ते । पर्यावरणस्य रक्षायाः अति आवष्यकता वर्तते । पर्यावरण रक्षायैः वृक्षाः रोपणीयाः तेलरहित वाहनानाम् प्रयोगः करणीयः । जनाः तरूणाम् रोपणम् अभिरक्षणं च कुर्यूः । अतः अस्माभि अपि पर्यावरणम् षोधयितुम यथाषक्यम् ।

नाम प्रियंका
रोल नं0 22HIS010

दूरदर्षनस्य लाभाः नश्टाः च

अस्मांक जीवने दूरदर्षनस्य स्थानम् अतिमहत्तरम् भवति। सर्वेशु गृहेशु दूरदर्षनम् अवष्यं घटकं भवति । जनमध्ये सार्वत्रिकं जातम् किं वा संजातमिति तस्मिन् एव निमिशे जनेशु दर्षनसाध्यम् करोति दूरदर्षनम् । दूरदर्षनस्य गुणाः दोशाः च सन्ति । दूरदर्षनम् वार्ताभिः बालान् वृद्धान् च विज्ञापयति । अमेरिकादेषे संजातम् कार्यमपि तस्मिन् क्षणे एव अस्मांक भारतदेषे वर्तमानकाले द्रश्टुम् षक्यते । क्षणेनैव भुवने

दूरदर्षनद्वारा प्रसारयति । दूरदर्षनस्य 'रियालिटी षो' द्वारा कलाकराणां कलाकारिणां च सर्वप्रतिभां वर्धयितुं षक्यते । दूरदर्षनेन गीतानि श्रोतुम् षक्यते । चलचित्रं द्रश्टुम षक्यते। महात्मानाम् जीवनचरित्रं तेशां महत्वम् च द्रश्टुम् षक्यते ।

नाम दिव्या सूद
रोल नं0 23BCM063

वसुधैव कुटुम्बकम्

अयं निजः परो वेति गणना लघुचेतसाम् ।
उदारचरितानां तु वसुधैव कुटुम्बकम् ।।

विष्वस्य स्रश्टां ईष्वरः एकः एव अस्ति । सर्वे प्राणिनः च तस्य तनयाः सन्ति अतः विष्वस्य सर्वेशु भागेशु स्थिताः जनाः रूप वर्ण–भाशा संस्कृति भेदान् धारयन्तः अपि अभिन्नाः एव यतोहि सर्वेशां मूलप्रवृत्तयः सम्मानाः एव । यथा एकः जनः सम्माने सुखम् अपमाने च दुःखम् अनुभवति तथैव अन्येऽपि अतः श्रेश्ठः जनः सः एव यः सर्वेशु प्राणिशु समान व्यवहारं करोति, सर्वेशुस्निह्याति न कमपि पीडयति ।

अद्य तु विज्ञानस्य प्रभावेण देषकालयोः अन्तरं प्रायः समाप्ति गतम् । भारत स्थितः जनः विदेषेशु स्थितानां जनानां समाचारं प्रतिदिनं प्राप्नोति दूरभाशेण च वार्ता करोति । दूर–दर्षनेन तु सर्व विष्वं करतल–स्थितमेव जातम् । एतस्य सहयोगेन कुत्रचिदपि घटितां घटनां क्षणादेव वयं ज्ञातुं समर्थाः भवाम । अतः उपर्युक्तस्थितौ विष्वबन्धुत्वस्य भावनायाः महती आवष्यकता अस्ति ।

विष्वकल्याणभावनया मानवः गौरवं लभते वसुधैव कुटुम्बकम् इति विषाल भवनाम् आश्रित्य अस्माकं जीवनं सफल करणीयम् सर्वकल्याण भावना, सर्वहित कामना सुभाशितेशु अपि कथिता यत् ।

सर्वेऽत्र सुखिनः सन्तु सर्वे सन्तु निरामयाः ।
सर्वे भद्राणि पष्यन्तु मा कष्चित् दुःख भाग्भवेत् ।।

अतः उच्यते गौरवप्राप्त्यर्थं, सम्मानप्राप्तयर्थं स्वार्थभावना त्याज्या, तथा वसुधैव कुटुम्बकम् इयं भावना स्वीकरणीया ।

नाम दिषा गौतम
रोल नं0 24ECO005

AMBIKA

MAHARANA PRATAP GOVT. COLLEGE
AMB UNA (H.P.)

2024-25

SCIENCE SECTION



STAFF EDITOR
DR. SHRUTI KUMARI



STUDENT EDITOR
ANCHAL BHOGAL
B.SC. 3RD YEAR

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Progress in Stem cell therapy

Stem cell therapy has continued to advance bringing hope to cure diseases that were once considered incurable. The concepts underlying the use of stem cells in therapy depend on their inherent capacity for the original tissues of the body. Additionally, stem cells can be altered to provide powerful drugs or nanomaterials and have an ability to modulate the immune system. More over, innovative advances continue in immunotherapy with allogeneic cells and their progress towards clinical use. (1) The T cell immunology field has focused on cytotoxic T lymphocytes, which play an essential role in the immune defense against viral infections and malignancies. (2) Few stem cell therapies are currently approved and have been integrated into standard clinical protocols. The most widely adopted stem cell therapy is the transplantation of hematopoietic stem cells to treat hematological malignancies and disorders of the immune system and blood.Other ongoing clinical trials involving stem cell therapies have already generated impressive results, such as when patient derived induced pluripotent stem cells (iPSCs) were induced to differentiated, into pigment epithelial cells of the retina when transplanted into patients with macular degeneration, greatly improving the patient's sight (3) Furthermore, in a recent world-first, iPSC- derived mesenchymal stromal cells have successfully been used to treat patients with acute steroid-resistant graft vs. host disease.

Name: Anchal

Class: B.Sc 1st year

Genetic Engineering

The genetic engineering of animal has increased significantly in recent year, and the use of this technology bring with it ethical issues; some of which related to animal welfare - defined by the World Organisation for Animal Health as "the state of the animal".

Several term are used to describe genetically engineered animals: genetically modified, genetically altered, genetically manipulated, transgenic and biotechnology derived, and many other terms.

In early stage of genetic engineering, the primary technology used was transgenesis, literally meaning the transfer of genetic material from one of organism to another.

However, with advance in the field, new technology emerged that did not necessarily require transgenesis: recent application allow for creation of genetically engineered animals via deletion of genes, or manipulation of gene, already present.

Cloning is the replication of certain cell type from a" parent" cell, or the replication, of a certain part of the cell or DNA to propagate a particular desirable genetic trait There are three type of cloning: DNA cloning, therapeutic cloning and reproductive cloning. Cloning is used to refer to reproductive cloning as this is most likely to lead to animal welfare issue.

In 2020, Jennifer A. Doudna and Emmanuelle Charpentier won the Noble prize in Chemistry for their work on the CRISPR-CAS9 gene editing technique.

They develop a method in 2012 that uses a bacterium's immune system to cut DNA with genetic scissors . They simplify the molecular components of the genetic scissors, making them more generally applicable.

Some say the 2020 nobel prize was a "historic win" because it recognized a revolutionary advancement in biomedical science and championed women scientists .

The 2024 Noble Prize in Physiology or Medicine was awarded to Victor Ambros and Gary Ruvkun for their discovery in micro RNA and its role in gene regulation.

The Noble Prize in Physiology and Medicine is presented in Stockholm Sweden by the Noble Assembly at Karolinska Institute.

The discovery revealed completely new principal of gene regulation that is essential for multicellular organisms, including humans.

Name: Kanika.

Class: B.Sc 1st year

Space Exploration

Space Exploration is the use of astronomy and space technology to explore outer space. While the exploration of space is currently carried out mainly by astronomers with telescopes, it physical exploration is conducted both by uncrewed robotic space probes and human space flight. Space exploration, like its classical form astronomy, is one of the main sources for space science. The observation of objects in space, known as astronomy, it was the development of large and relatively efficient rockets during the mid 20th century that allowed physicalspace exploration to become a reality.

Common rationales for exploring space include advancing scientific research, national prestige, uniting different nations, ensuring the future survival of humanity and developing military and strategic advantages against other countries. The early era of space exploration was driven by a ' Space Race' between the Soviet Union and the United States. The launch of the first human- made object to orbit Earth, the Soviet Union's Sputnik I on 4 October, 1957 and the 1st moon landing by the American Apollo II mission on 20 July, 1969 are often taken as landmarks for this initial period.

The instruments were enough though that it is thought they have left the Sun's heliosphere,a sort of bubble of particles made in the galaxy by the Sun's solar wind. The sun is a major focus of space exploration. The Sun generates most space weather, which can affect power generation and transmission systems on Earth and even damage, satellites and space probes . Numerous spacecrafts dedicated to observe the sun ,beginning with the Apollo Telescope Mount,have been launched and still others have had solar observation as a secondary objective. Parker Solar Probe, launched in 2018, will approach the Sun within 1/9th the orbit of Mercury.

Futures of space exploration:

1. Both robotic and human exploration will continue, with robotic explorers often going first to assess risks and collect data .
2. A Japanese mission that will launch in 2026 to collect samples from Phobos.
3. A series of mission by NASA and ESA that will return samples from Mars to Earth in the early 2030s.
4. An ESA rover that will launch no earlier than 2028 to search for signs of life on Mars.
5. NASA' s goals include sending humans to Mars in the 2030s exploring possible habitable environments on Mars, the moons of Jupiter, developing new technologies to improve air transport and meet the challenges of space exploration.
6. Reusable rockets, pioneered by companies like Space X are reducing costs and increasing accessibility to space.
7. Development of new methods for sustaining human life in space.

Name: Anu Bala

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SCIENCE BEHIND AURORA

Introduction:-The Aurora Borealis is one of the fascinating visual spectacles one experiences on our planet. The Aurora. Borealis also known as Northern lights - is a result of the interaction between Earth's Magnetic field and solar activity.

* Creation of Aurora

Every second, highly energetic particles from the Sun crash into the Earth' upper atmosphere. The Earth's magnetic field regulates these powerful rays of particles. Particles are redirected towards the poles (Arctic and Antarctic). The dynamic processes then, transforms into a vibrant display of colours and light.

The Sun emits charged particles from its upper or corona region at every moment. It creates a phenomenon called solar wind. When such charged particles enter the upper atmosphere or ionosphere, auroras emerge In the northern pole, it is called aurora borealis(northern lights) while in southern pole it is called aurora australis (southern lights)

Each type of molecule, compound, atom has its own apparent spectrum of colours. For example, Carbon dioxide radiates

and absorbs its own distinctive class of colours. Those are as unique as the distinctive nature of each human DNA. Most of the time red, green are seen as the predominant colours during aurora borealis

Name: Nitika

Class B.Sc 2nd Year

Some Amazing Facts

1. Parrots can see behind themselves without even moving their head.
2. A hippotamus may seem huge but it can still run faster than a man.
3. Platypus is the only animal that has no stomach.
4. Lobsters have blue blood.
5. The buzzing sound made by bees comes from their wings which can beat over 200 times a second.
6. Kangroos can't walk backwards.
7. Seahorse are the slowest fish and they are considered as the "Masters of Camouflage."
8. Octopus are unique with their blue blood, nine brains and three hearts.
9. Grasshoppers have white blood.
10. The eye of ostrich is bigger than its brain.
11. The ears of cricket are located on the front legs just below the knee.
12. Male peacocks begins to grow their colorful tails only after they are about three years old
13. Many butterflies can taste with their feet to find out whether the leaf they sit on is a good place to lay eggs.
14. A Chameleon's tongue is twice as long as its body.
15. Owls can't move their eyeballs.
16. Zebras can stand up while they are sleeping.
17. Starfish has no brain.
18. To produce a single pound of honey, a single bee would have to visit 2 million flowers.
19. Koalas sleep for upto 18-20 hours a day.
20. Flamingos are born with grey feathers. They obtain their pink colour from cartenoid pigments found in algae or crustaceans they eat.

Name: Nitika

Class: B.Sc. 2nd Year

Starvation Among Animals.

Starvation is a common cause of death for animals who survive to old age. At some point, animals bodies simply wear out and they are no longer able to forage.

Foods scarcity is worsened by the simultaneous occurence of hunger and predation. There may not be enough food available, or the animal may not be able to reach or get nutrients from food because of environmental factors (deep snow or a hard crust) or physical problems (injury, disease, parasites, poor teeth).

Signs of starvation:-

Animals may be come weak with not much body fat.

The skin may appear loose with a dull, rough haricot.

The bones of the shoulder, ribs, back and hind end may stick out.

Muscles and organs such as the liver may have shrivelled.

Starvation can affect any wildlife species and usually affects young, old, weak or sick animals. It usually occurs in winter.

Name: Nikita Thakur

Class : B.Sc. 2nd Year

Scientific Research Behind the Bermuda triangles

The Bermuda triangle has been the site of a number of high profile and still mysterious naval and aviation disappearances . A number of scientific valid exploration for the disappearance of the ships and planes in the Bermuda triangle over the year.

Location of Bermuda triangle: The Bermuda triangle commonly defined, stretches between Miami, San Juan, Puerto Rico and the Island of Bermuda. The Bermuda triangle also known as the ' Deadly Bermuda Triangle '.

Scientific research behind Bermuda Triangle:-

1. Undersea Methane Deposit:- Some scientists, suggested that ships sinking in the Bermuda Triangle could be due to massive bubbles released from undersea methane deposits. The sea floor in the region is known to contain large pockets of gas that could be released suddenly, turning the ocean into a frothy soup that swallows ship.

2 Rogue waves:- Another explanation for the Bermuda Triangle that is rogue waves. These huge waves can form unexpectedly and rise two or even three times above surrounding waves. It is found that the Bermuda Triangle comparison with Rogue waves that are 100feet taller and ships that are sufficient long and get caught between two wave peaks and this rogue waves are sufficient of capsizing or breaking a ship and the ship was swallows by Bermuda Triangle.

Nobody gives the true explanation related to this. But the mysterious disappearance of ships could be due to the reason mentioned above.

Name:- Arti.
: B.Sc. 2nd Year

Interesting fact about planets.

1. Mercury.

Extreme Temperature fluctuations - Mercury has the largest temperature fluctuations of any planet in solar system. It can reach up to 800°F (427°C) during day and drop to -330°F(-201°C) at night.

No atmosphere - Mercury has virtually no atmosphere to retain heat that's why temperature varies so widely.

2. Venus.

Day longer than year: A day on Venus (rotation period) lasts longer than its year (orbital period) It takes 243 earth days to complete one rotation.

Reverse rotation: Venus rotates in opposite direction to most planets means the sun would appear to rise in west and set in east.

3. Earth.

Blue planet: Earth's surface is about 71% water which give it blue appearance when viewed from space.

Plate tectonics: Earth is the only planet with active plate tectonics which causes earthquake, volcanoes,or creation of mountain.

4. Mars:-

Largest volcano: Mars is home to Olympus Mons, the largest volcano in solar system which is about 13.6 miles high nearly three times height of Mount Everest.

5. Jupiter:-

Many moons: Jupiter has 79 known Moons include Ganymede, the largest moon in solar system which is bigger than Mercury.

Magnetic field : Jupiter has strongest magnetic field of any planet which creates intense radiation belts.

6. Saturn:-

Stunning Rings : Saturns rings are made of billion of icy particles that range in size from tiny grains of sand to large chunks of ice. These rings are about 30 feet thick.

7 Uranus:-

Cold atmosphere: Uranus is the coldest planet in solar system with temperature in its upper atmosphere reaching -357°F.

8 Neptune:-

Strong winds: Neptune has strongest winds in solar system reaching speed of upto 1200miles per hour (2,000km/h)

Name :- Kamini

Class : B.Sc. 2nd year

Who Discovered the Helical Structure of DNA ?

These are the words of amazement that James Watson used to describe his first response to the X- ray diffraction patterns in photographs that revealed the helical structure of DNA. He and two of his colleagues went on to win a Nobel Prize and much praise from the science community for their elucidation of DNA's double helix.

However, Watson's wonderment arose, not from the results of his own work, but upon seeing x -ray crystallographs that had been produced and studied by a colleague, Rosalind Franklin. Yet, Franklin's contributiion to our understanding of DNA has gone largely unacknowledged and uncredited. As medical laboratory technology becomes enriched with the skills and knowledge of medical genetics, there is a benefit to knowing the true research origins of the DNA discovery on which so many new laboratory techniques are based.

Rosalind Franklin has been described in various sources as a physicist, an x-ray crystallographer, a biologist, a molecular biologist and a chemist attesting to the numerous fields of study that proudly claim to association with her work. However, it was not always so She emerged for her studies in England and France into a post world war II research environment that was distinctly hostile towards both Jewish and female scientist.

Franklin was known for structure of DNA, fine structure of coal and graphite and structure of viruses. On the day before she was to unveil the structure of tobacco mosaic virus at an international fair in Brussels, Franklin died of ovarian cancer at the age of 37 in 1958. Her team member, Aaron Keug continued her research, winning the Nobel Prize in Chemistry in 1982.

Name :- Ishika.

Class : B.Sc. 2nd Year

THE SCIENCE BEHIND OPTICAL ILLUSIONS

INTRODUCTION : Optical illusions have captivated human curiosity for centuries, demonstrating the intricate ways our brain interrupts visual information. These fascinating phenomena occur when the visual system processes information in a way that does not match physical reality, creating a discrepancy between perception and reality. Understanding the science behind optical illusions reveals how the brain and eyes work together to construct our experience of the world:

The Role of Brain: Optical illusions are visual stimuli that deceive the brain, making us perceive something that differs from the objective reality. The brain plays a crucial role in creating optical illusions. Visual perceptions is not just about capturing an image with the eyes. It involves the brain's interpretation of signals from the retina. This interpretation is influenced by factors like context, prior knowledge and expectations. Optical illusions reveal the shortcuts the brain takes to process vast amounts of visual data quickly. These shortcuts are known as heuristics, are generally effective but can lead to misinterpretations under specific conditions. Illusions highlight how sensory inputs interact with cognitive processes like attention, memory and expectation.

1. Neuroscience and Psychology: Studying optical illusions helps scientists understand how the brain processes visual informations and how perception can be altered.

2. Art and Design: Artists like M.C. Escher Artichets use illusions to create visually stunning works that challenge

perception.

3. Technology and User Experience: Optical illusions in form of development of user interfaces, virtual reality environments and even safety designs to ensure clear communication of visual information. Conclusion: Optical illusions are more than just visual tricks; they are windows into working of human brain. By studying these phenomena, scientists gain insights into the complex interplay between sensory input and cognitive processes. Optical illusions remind us what we see is not always reality - it is a perception shaped by our brain's interpretation of the world.

Name :- Arshita sharma.

Class : B. Sc. 2nd Year

Quantum Computing: The Future of Technology

In the region of technology, quantum computing stands as a revolutionary leap forward, promising to transform the way we solve complex problems. Unlike traditional computers, which rely on binary bits (0s and 1s) Quantum computers utilise qubits that can exist in multiple states simultaneously, thanks to the principles of quantum mechanics like superposition and entanglement. This enables quantum computers to perform certain calculations exponentially faster than classical computers.

What is Quantum Computing?

Quantum computing is a field that combines Computer Science and Quantum Physics. It leverages the behaviour of particles at the subatomic level to process information. The two main principles behind quantum computing are:

(a)Superposition:A qubit can represent both 0 and 1 at the same time, enabling quantum computers. tohandle multiple calculations simultaneously.

(b) Entanglement: Cubits can be entangled, meaning the state of one qubit is directly related to the state of another, even if separated by large distance These principles allow quantum computers to solve problems that are currently impractical for classical computers to solve that are impractical for classical computers, such as optimizing complex systems or simulating molecular interactions

Applications of Quantum Computing-

Cryptography -Quantum computers could break traditional encryptions method by solving complex mathematical problems like factoring large numbers.

Drug Discovery-By simulating molecular structures with high precision, Quantum Computers can accelerate drug development and personalized medicine.

The Future of Quantum Computing. Tech giants like IBM, Google, and Microsoft are investing heavily in quantum research while practical, large scale quantum computers may still be years away, their eventual arrival is expected to redefine industries and scientific fields alike. In conclusion, quantum computing represents the next frontier of innovation which has the potential to unlock new technological landscape.

Name: Anbiksha

Class : B.Sc. 2nd Year

Some Psychological facts about the human body

* Babies are born with 300 bones but adults have 206. As people grow older, their tiny bones fuse together to form larger bones.
* The jaw muscles is the strongest muscle in the body.
* A human fetus acquires fingerprints at three months old.
* Dopamine: Using your phone stimulates dopamine, a chemical that make you seek out pleasurable activities.
* The brain operates at 12 to 25 watts, which is enough power to light an LED light bulb.

* Human mouth produces about one litre of saliva each day.
* An average person has 67 different species of bacteria in their belly button.
* Human nose can remember 50,000 different scents.

Name Mehak Bansal
Class: B.Sc. 2nd year

Poem on Mathematics

The golden ratio and symmetry;
Every construction's backbone is geometry.
Algebra and Statistics help us all.
In creating structures like buildings, homes and malls:
We see the mathematics in little & big forms,
And it helps us to find probability of thunderstroms.
Trignometry is use to find the distance between rivers,
We also use mathematics to find height of Pillars.
From counting stars and birds;
To learn area volumes and laws of surds.
It never stops but goes on till infinity,
Look around you and you will find all examples mathematics in your vicinity.

Name Priya
Class: B.Sc 2nd year

Misuse of science.

Today is the age of science. Almost the whole world is trying to convert itself into digital one. The present time is therefore, dependent on science and technology. In the coming years, survival without electronic gadgets would be almost impossible.

Abuses of Science: Science is not without its abuses. It has given us powers of a devil. Now we have destructive weapons like atom bombs and hydrogen bombs. Death rays, nitrogen bombs and nuclear weapons can wipe out humanity from the world. G.D.H. Cole writes, "The very advance of science has become a menace to our civilization ".

Evils of machines: Machines are very useful but they are nothing but a necessary evil. They enhance capitalism. They are the basis of industrialisation. They are the main cause of unemployment. They have given rise to various economical, political and social problems all over the world. Prof. Joad writes, "Machines were made to be man's servant but they have become his master".

Material Outlook: Science has made us materialistic. Now we do not care for good or evil. We are attached to the world and crave for power and money. Thus science has made us forget soul and moral values. This is why Gandhiji advised us not to give undue importance to science.

Conclusion: On the whole, Science is neutral. It is neither good nor bad. It does good to mankind if it is used properly. But it will harm us if it is misused. So Shakespeare was perfectly right when he said "There is nothing good or bad in the world but thinking make it so".

Name :- Nitasha Chaudhary
Roll No. B.Sc. 3rd Year

Impact of Climate Change

Introduction: Climate Change is a long term shift in weather patterns and temperatures that can be caused by human activity or natural events like volcanic eruptions. Some of the effects of climate change includes:

Hotter temperature, more severe storms, increased drought, loss of species, not enough food, more health risks, poverty and displacement.

Impacts:

Global warming and agriculture: Climate Change can affect agriculture by reducing yields and interfering with the ability of plants to get and use moisture.

Mental health effects of climate change: Global climate change can exacerbate droughts and lead to increased floods in some areas,while prolonged droughts are expected in other areas. Mental health issues due to its impact on livelihoods, migration and conflict.

Impact of climate change on life: Climate Change is mainly caused by humans, especially through increased green house gas emissions and how it is a serious threat to ecosystem, biodiversity and health.

Indias performance in the Climate Change Performance Index, 2023 was 8th, which was attributed to its low emissions and increasing use of renewable energy. CCPI 2024, India's rank improved from 10th in 2022 to 7th in 2024.

Conclusion: Climate Change is happening now is largely due to human activities,and is amenable to action to slow its pace and reduce its impact. Climate change is a global phenomenon, but it is people and communities at the local level that experience its consequences.

Name Kajal

Class: B.Sc. 3rd year

HEALTH AND HYGIENE

Our health is all about living a good physical and mental life, which is only possible if we have a hygiene environment. If we want a good life, we need to live a healthy life which is only possible if we have hygiene environment. Health and hygiene are like superpowers that keep us strong and clean. Health means feeling good and having lots of energy to learn. Hygiene is all about keeping ourself clean and free from germs. According to WHO, hygiene mention to conditions and practices that used to maintain health and prevent the spread of diseases. Hygiene protects our body from diseases and also it boosts our immune system. As it is said that 'Health is Wealth' and wealth without health is useless. When we are healthy, we don't get sick often, have a hygienic environment, we can do all the things that we love to do. Staying clean and healthy is super important. When we are healthy and clean, we can do anything we set our minds to!

Name :- Palak Jaswal.

Class : B.Sc 3rd Year

HIV(Human Immunodeficiency Virus)

Human Immunodeficiency Virus (HIV) is a virus that attacks the body's immune system. AIDS (Acquired Immuno Deficiency Syndrome) occurs at most advanced stage of infection. HIV targets body's white blood cells weakening the immune system. This makes it easier to get sick with disease like tuberculosis, infections and some cancers. HIV remains a major global public health issue, having claimed on estimated 42.3 million lives to date. Transmission is ongoing in all countries globally. In 2023, an estimated 630000 people died from HIV related causes and an estimated 1.3 million people acquired HIV. Due to no cure for HIV infection, we need to aware people in our society about this virus that how it spread from person to person. It spreads from the body fluids of an infected person including blood, breast milk, semen and vaginal fluid but not by kissing, hugs or sharing food. It can be prevented or treated with anti retro viral therapy (ART). If HIV is untreated, it can progress to AIDS, often after many years. The infection progressively weakens the immune system and show symptoms like swollen lymph nodes, weight loss, fever, diarrhea, cough etc. Despite HIV is a serious condition, with proper management, people living with HIV can live long and healthy lives. So positivity can cure or treat any disease. Stay careful stay positive !

Name Bharti

Class : B.Sc. 3rd Year

What is Universe?

The universe is everything. It includes all of space and all the matter and energy that space contains. It even includes time itself and of course, it includes you.

Earth and Moon are part of the universe, as are the other planets and their many dozens of moons. Along with asteroid and comets, the planets orbits around the sun. The sun is one among hundreds of billions of stars in the Milky Way galaxy, and most of those stars have their own planets, known as exoplanets.

The Milky Way is one of billions of galaxy in the observable universe. All of them, including our own, are thought to have super massive black holes at their centres. All the stars in all the galaxies and all the other stuff that astronomers cannot even observe, are all part of the universe. It is simply everything.

Though the universe may seem a strange place, it is not a distant one wherever you are right now, outer space in only 62 miles (100 kms) away. Day or night, whether you are indoor or outdoor, asleep, eating lunch or dozing off in class, outer space is just few dozen miles above your head.

The Universe contains all the energy and matter there is. Much of the observable matter in the universe takes the form of individual atoms of hydrogen, which is the simplest atomic element, made up of only a proton and an electron. Two or more atoms sharing electrons is a molecule. Smoosh a few tons of carbon, silica, oxygen, ice and some metals together and you have an asteroid or collect 33, 3000 Earth mass is of hydrogen and helium together and you have a Sun like star.

Scientists have begin tallying those clumps of matter and the resulting numbers are pretty wild. Our home galaxy, The Milky Way contains atleast 100 billion stars, and the observable universe contains atleast 100 billion galaxies. If galaxies were of the same size that would give us 10,000 billion or(10 sextillion) stars in the observerable universe.

Human understanding of what the Universe is, how it works and how vast it is, has changed over the ages For countless lifetimes, humans had little or no means of understanding the universe. Our distant ancestors instead relied upon myth to explain the origins of everything. Because our ancestors themselves invented them, the myths reflect human concerns, hopes, aspirations or fears rather than the nature of reality.

Name Sakshi.
Roll No. 21Z00017

Stem Cells

Stem cells have a peculiar capacity to differentiate into specialised cell. So these little fellows, if provided with appropriate conditions can develop into any organ. They are found in bone marrow, blood and most recently found in umbilical cord. When new stem cells are introduced into damage tissues in order to treat a disease or injury, this ability can be used to replace any damage area of body. This technology act as a saviour in issues from brain damage to spinal cord injury. It is plausible treatment for fatal problems of heart and worldwide menace of cancer. Researchers have successfully transplanted corneal stem cells into damaged eyes to restore vision. Baldness can also be treated with this technology. For diabetic patients, insulin producing stem cells would solve their problem.

Name :- Garima.
Class: B.Sc 3rd Year

The science of Tears

The value of crying may be more about the social response it prompts than its physiological effects Dr By Isma has conducted multiple studies on crying and found that people were more likely to feel better after crying. If they received social support during their tears, tears gave the crier a new understanding of what was wrong, helped the individual feel better. In contrast, people who try to hold back their tears or cried a non supportive social setting were less likely to feel better after crying. Lacrimal glands above each eye produce your tears. As you blink, tears spread across the surface of the

eye. Then the tear drain into puncta, tiny holes in the corners of the your upper and lower eyelids.

Basal tears- lubricate and protect the cornea and kept dirt and debris away.

Reflex tears wash away harmful irritants like smoke, foreign bodies or onion fumes.

Emotional tears- produce in response to strong feeling like joy, sadness or fear. Some scientists have proposed that emotional fears contain additional hormones and protein, not present in the basal or reflex tears.

Is crying good for you?

Tears are a part of healing. It allows you to express pain and emotions regulates emotions and calms you down. It helps other understand that you need support and sometimes you just need a good cry even if you do not know the reason why you are, crying.

Name:- Payal Goswami.
Class : B.Sc 3rd year

CURIOUS MINDS NAMED IT SCIENCE.

From the universe to the atom,
From Magnetic field, to the Phantom,
and the waves of the sea
Its all physics that you see!
In this matter its never few,
every time you dive in, you come up with something new!
Cosmetics, Perfumes and protein for ABS.
every product is created in chemistry labs!
On the Canvas, is it a green art?
It is obviously an autotrophic plant!
From a cell to human pyschology
every creation happens due to biology!
This what would not be possible without maths!
Probably, it led us to the lost paths,
every possible subject holds numbers and calculations,
I pay mathematicians my respectful salutations!
The thermodynamic laws and Archimedes's principal
From Einstein's relativity to Sir Newton's Apple;
From the creation of world, to the destruction of lives,
Curious minds invented it and named it science.

Name: Anchal Bhogal
Class: B.Sc. 3rd year

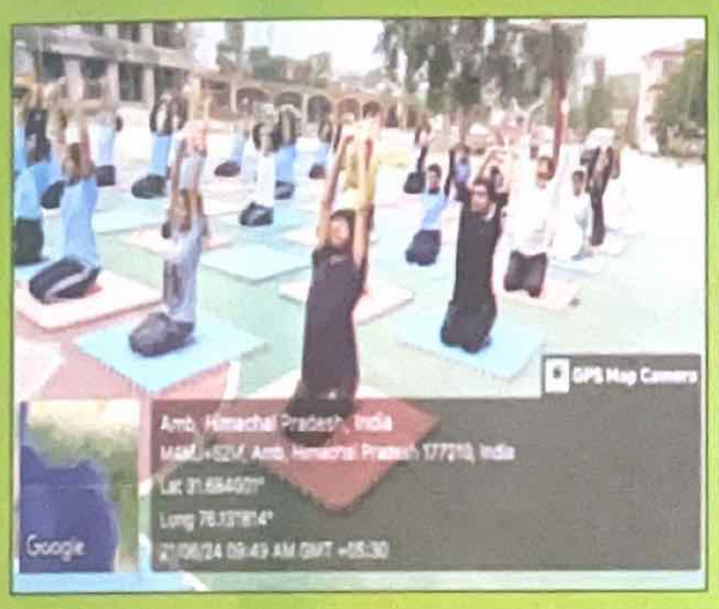
SPORTS ACHIEVEMENTS
2024 -25



Our College Cross-Country (Women) team receiving overall 2nd Runner-up Trophy from Director H.P.U Sports, Dr. Sanjay Sharma during HPU Inter College Cross Country (Women) Championship held at Govt. College Haripur, Manali. Held on 27th Sept.,2024.



Our College organised HPU Inter College Taekwondo (M&W) Championship on 23rd to 24th Oct. 2024



International Day of Yoga Celebrations



Intramural of Volleyball



Intramural of Chess



Sanjana Devi of B.Sc. 3rd Year Got 5th Position in the HPU Merit.



College Annual Athletic Meet (2024-25) held on 08/02/2025



Priya Devi of BA 3rd Year Got 4th Position in the HPU Merit.



TEACHING STAFF



NON TEACHING STAFF



SELF FINANCE STAFF



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