

UDBHAV

2024-25



**GOVERNMENT DEGREE COLLEGE KANDAGHAT,
DISTT SOLAN 173215(H.P)**

TEACHING STAFF



NON-TEACHING STAFF



Message from the Principal...



It gives me immense pleasure to present the fifth edition of Udbhav, the annual magazine of Government Degree College Kandaghat. This publication is more than just a compilation of articles, poems, and essays—it is a mirror reflecting the vibrant academic and cultural spirit of our institution. It provides a platform for students to express their creativity, thoughts, and perspectives, nurturing their intellectual growth beyond the boundaries of the classroom.

The name Udbhav, meaning "origin" or "emergence," truly captures the essence of this magazine. It symbolizes the birth of new ideas, the rise of young talent, and the evolution of knowledge. The seven dedicated sections—Chronicle, English, Planning, Commerce, Science, Hindi, and Pahari—offer an inclusive space where students from all disciplines can contribute, making this magazine a rich tapestry of diverse thoughts and expressions. Whether through literature, scientific inquiry, economic analysis, or creative writing, Udbhav serves as a testament to the brilliance of our students and their boundless potential.

Education is not just about acquiring knowledge; it is about developing a holistic personality, where intellect, creativity, and emotions blend harmoniously. Writing, whether in the form of prose, poetry, or



analytical discourse, plays a crucial role in shaping an individual's ability to think critically and communicate effectively. It is heartening to see our students embrace this opportunity to showcase their literary and artistic skills, transforming their thoughts into words that inspire, question, and provoke thought.

I extend my heartfelt appreciation to the editorial team lead by Dr Anshu Kaushal, faculty members, and students whose hard work, dedication, and unwavering commitment have made this edition possible. Their meticulous efforts in curating, editing, and designing the magazine deserve the highest recognition. I also take this opportunity to encourage all students to continue exploring their creative instincts, for writing and expression are the cornerstones of progress and innovation.

May Udbhav continue to be a beacon of inspiration for generations to come, fostering a love for knowledge, literature, and creative thinking among our students. I wish all our readers an enriching experience as they delve into the pages of this magazine.

Best wishes to all!

Dr. Madan Lal Mankotia
Principal



Dr. Anshu Kaushal.
Chief Editor



In the words of Audre Lorde, “Creativity is the language we use to communicate the urgency of our dreams for a better future.” The sixth issue of *Udbhav* the annual magazine of Government Degree College, Kandaghat, is a testament to the thoughts and ideas, dreams and aspirations of young minds to see the varied hues of this magnificent world through their kaleidoscopic imagination.

A dynamic piece of self expression and creativity, *Udbhav* comes before the readers as a blended effort of students and teachers through the year. Each piece of writing that finds space in the pages of the magazine embodies inspiring ideas that hold the promise of metamorphosing into something spectacular. This content packed issue of *Udbhav* promises something of value and interest for every reader. It gives me immense pleasure to invite our readers to explore the acuity, acumen and creative insights of our much loved students through the pages of the magazine.

I deeply appreciate and thank our Principal, Dr. Madan Lal Mankotia for lending me unconditional support in this noteworthy task and showing faith in my ability. It is my privilege to thank all the teacher and student editors for their meaningful efforts in putting this issue of the college magazine together. Most of all, I thank our dear students for their valuable contributions in adding to the vibe and zest of this creative endeavour.

As we turn yet another page of the academic calendar, I am grateful for the journey that was and express faith in what will be. Every end is a new beginning, and the best is yet to be!





Dr. Priyanka Vinta



"We know what we are, but know not what we may be." - William Shakespeare

I feel glad and honoured to present the English section of our college magazine, *Udbhav*. Here you will find a blend of creativity and aesthetics through articles, poems and reflections that capture our thoughts, emotions and experiences.

I express my sincere gratitude to our honourable Principal, Dr. Madan Lal Mankotia and our Staff Editor Dr. Priyanka Vinta for giving me this opportunity and providing guidance and encouragement in shaping this section. I am thankful to all students for their overwhelming response as their contribution has made this section enriching and vibrant. I hope these pieces inspire and resonate with our dear readers.

Aryan Sharma
Roll No: 22243
BA III



Aryan Sharma BA 3rd Year
Student Editor



English and the Globalised World

English has become one of the most important languages in today's global world. It is not only a language for communication but also a way to connect people from different backgrounds and cultures. One major benefit of knowing English is that it's widely used for global communication. People from different countries and speaking different languages can easily connect by using English whether for travel business or making new friends. English serves as a common language making it easier for everyone to understand one another. In education, English opens up many opportunities. Most of the world's best universities' online course books are available in English.

This means that students who know English have an access to more knowledge and learning resources, helping them improve their skills and achieve higher academic goals. In the job market, English is highly valued. Many global companies use English as their main working language. Knowing English can improve career prospects as it allows people to work in global teams, communicate effectively and explore more job options. Moreover, English can boost confidence in personal growth. Being able to communicate and express ideas in English can make people feel more connected and confident when meeting new people or exploring new cultures.

English is more than just a language. It's a tool that opens a door to global education, a

promising career and wide connections, making it a valuable skill for anyone looking forward to grow in today's competitive world.

Payal

Roll No: 241084

BA I

Character Building

Character building is a gradual process in which one brings innovative and everlasting changes in one's character to achieve life's goal. Now goals can vary from person to person but if we reflect on the stories of success, then we realise that the one who succeeds has a belief in one's values and morals. The question arises, can one improvise his or her belief system as it does not imply a herculean task but the inculcation of determination, courage and grit. Discipline is the key factor behind character building. In our day to day lives when we encounter a problem it is our attitude and positive energy which determines whether one has the character to face that issue and eventually come out with a resolute stand of, "Yes, I have it in me." We should stop ourselves from following the crowd of millions as that will not lead us anywhere. It is your character that ultimately defines you. Preaching and practicing should go hand in hand. Your attitude towards your colleagues, your passion towards your profession and towards the task assigned to you, build your character. It is must to have idols that motivate you. Yes I too have idols at every step, a new ideal stands for new motivation. Motivation is a decisive factor which keeps a check. Whether we are on the right path of character building. Build your character and face life not as a den of problems but as an ocean replete with opportunities.

Amita

Roll No: 241071

BA I

Books- Our True Friends

It has rightly been said that books are our true friends and guides. These are sources of learning and knowledge.

Some wonderful books have been the trustworthy partners of human beings. Books are inanimate and non living entities, yet they cheer us up and soothe our troubled spirit. They don't judge us or hurt our feelings and are always reliable

companions in good or bad phases of life. They treat the rich and poor alike and don't practise discrimination among its readers. There are no biases on the basis of gender, colour, religion and nationalities in the realm of books. Most well known personalities have attributed their success to reading of good books. Robert Southey, an avid lover of books wrote, "My never-failing friends are they with whom I converse day by day. With them, I take delight in weal, and seek relief in woe."

Books are a great source of entertainment and recreation. They inspire us to do great things and overcome failures. These are the most sincere, faithful and never failing friends. People may deceive us, but books will always remain with us through thick and thin. People with good reading habits are generally found to be more confident, empathic, knowledgeable and wise.

Books can be categorized into story books, autobiographies, biographies, books related to science and technology, religious texts and so on. The readers can choose books of their interest. Books keep us well informed about whatever is happening around us. No doubt mobile phones, computers and tablets are helpful but books have

an immense importance in our lives. Good books not only entertain but also purify our thoughts and inspire us to do something worthwhile.

It is an ever growing debate that books in print form are losing their importance. Knowing the immense value of books to human beings, we must take some effective steps to preserve the reading habits of the young in modern times. The present day generation should be motivated to seek pleasure in the company of good books instead of seeking pleasure in drugs and the virtual world.



Gahna

Roll No: 231034

BA II

English- A Global Language

In the modern era, English indeed is considered as a global language. It is a foreign language that is widely taught in 100 countries around the world such as Spain, Brazil, Egypt, India, Russia and many more. But how do we know that a certain language is a global language? What is a global language? And why English language is considered a global language?

A global language is a common language that is universally used by all countries around the world so that they can easily communicate with each other. More specifically, it is defined by Gohil as a common language spoken by people with different native languages. There are some factors that specific language users need to comply with in order to be considered a global language such as historical tradition, political expediency and the desire for commercial cultural or technological contact. In much easier

words, the number of countries using it as their first language or mother tongue, the number of countries adopting it as their official language and the number of countries teaching it as their foreign language of choice in schools or universities are three main factors. However, some misconceptions arise regarding the factors of being a global language by the number of people who speak it but, it is more because of the influence of the speakers, it all depends on how powerful the speaker is and how they can persuade their own set of people. English language has a very rich and diverse vocabulary. It is spoken fluently or competently by about 15% of the world's population, which means that around 1.35 billion people speak English and the figures are still increasing up to this day. Some say that there is something in English as a language that captivates its speakers. It may be due to the easiness it imposes based on its grammatical construction, simplicity, precision or vigour of its expressions. People tend to adapt to it more easily as compared to other languages. It is universally spoken and taught by many people. Some misconceptions regarding its use may arise now and then, but we can't deny the fact that English language is more suitable as a global language and as it is easy, flexible and adaptable.

Himani Sharma

Roll No:231008

BA II

The Unforgettable College Life

Student life is considered to be the most important period in our life. Our future dreams, desires and hopes depend upon it. It exposes us to new experiences and helps us to discover the varied hues of life. For some, it may mean enjoying life and partying hard but for others it is a period of preparation for a desirable future life. At this time, our minds are highly impressionable

and mouldable, and can be shaped in different ways. Once our character is formed, it cannot be changed easily. If we receive proper education, we can surely make our future bright. We must keep our minds open and make an effort to learn new things at this time. Students are the future leaders of the nation. The development and prosperity of a nation depends upon its students. So, we as students have a responsibility to acquire proper education to transform ourselves into good future leaders in the form of successful engineers, teachers, doctors etc. If we are idle and waste time, then we can achieve nothing. Students need to realise the value of time. Being a student we must do everything on time, respect our elders, parents and teachers and always maintain discipline. Cultivating these long enduring values as students, will stand us in good stead and shape us as strong, independent and resilient individuals

Divesh

Roll No:22216

BA III

The Hidden Power of a Smile

It is said, "Beauty is power; a smile its sword". Smile is a simple gesture that can have a big impact on our lives. It's something we often do without thinking, yet it holds a lot of hidden power. When we smile we are not only helping ourselves to feel better but also spreading positivity all around us.

A smile makes us more attractive and people are naturally drawn towards those who smile. It makes us look friendlier, more approachable and kinder, that's why smiling is often seen as an important aspect of effective communication in creating a good impression.



A smile might seem like a trivial thing but its hidden power is unbelievable. It can improve our mood, attract others, spread positivity, reduce stress strengthen relationships and even make us more productive. The best part of a smile is that it doesn't cost a thing! So friends, remember to smile more often. You never know what difference it could make in your life and of those around you. Keep smiling!

Aryan Verma
Roll No:22262
BA III

College Life: A Tapestry of Growth

College life is a vibrant tapestry woven with academic pursuits, social interaction, and personal growth. It's a time for explorations, where students discover their passions, new challenges, their limitations and forge lifelong friendships.

The classroom becomes a dynamic space for intellectual exchange where teachers ignite curiosity and inspire critical thinking. The college campus offers you a vista beyond the realm of books- that of extra- curricular activities ranging from sports, clubs, cultural events and other extension activities. These experiences broaden opinions, develop skills, and foster a sense of community feeling.

College life isn't just about academics. It's about personal development as well. Students learn to manage time, balance responsibilities, make well-informed decisions, navigate challenges, celebrate success, and emerge as individuals, ready to embrace the world.

Dikshit
Roll No:231088
BA II

Yes, We Are Humans!

We breathe air, we stand on the ground
We feel afraid when fears surround
We get jealous, we get mad
Yes, we're human -both good and bad.

We love and hate, we trust, we doubt
We learn, we fail, we figure it out
Through joy and pain, loss and gain,
In the end, we're human – again and again!

Aryan Sharma
Roll No:22243
BA III

Life without Phones

Life without a phone is like a quiet stream,
No endless scrolls, lots to think and dream.
Faces in place of screens, we see,
Conversations flow more naturally.

Nature's songs fill the
vacant air,
Moments are savoured as
precious and rare.

A world that stretches into the horizon,
Life without a phone, one in a million!



Atul
Roll No: 241005
BA I

The Power of Compassion

When someone is sad and feeling low,
A little kindness helps them grow.
A smile, a hug, a friendly cheer,



Can bring back hope
and chase the fear.

With open hearts, we
share our light,
Helping others feel

alright.

Compassion's warmth can heal the pain,
Bringing sunshine where there was rain.

Let's spread this love, both near and far,
For compassion shines bright like a star.
In all acts, big and small,
The power of kindness can help us all.

Ranjana
R. No. 22161
BA III

quickly around them. How do we make our life calm and peaceful?

When facing challenges in life, it is important to ask for help. It is also very important to talk to someone we trust. Talking about our problems helps us realise that other people face similar issues in their lives and help us feel less abandoned in dealing with these issues.

Life challenges can be hard but we can get through them as they are a part of life. We can't get through life without surviving hardships. Once we face the storm of difficulties with courage, we emerge stronger and more resilient to face all challenges of life.

Neha
BA I

Right Vision- A Blueprint for Success!

The main goal of every person in today's world is to become successful; every person wants to taste success as early as he or she can. The first step in the ladder of success is to choose the goal of life, a vision of life, and then start working on it by choosing an appropriate strategy. Nowadays it is becoming more and more difficult to choose a goal in life. If we look at our life from different perspectives, we find that even now the vision of our life is entirely dependent on our professional life. I too have a professional aim and want to become successful in future. But to achieve that, I need a proper vision and a strategy. I need to define my objectives, identify milestones, assess resources, determine my values and stay focused. A clear vision gives direction to our life and clarifies its purpose. Creating a compelling vision of life is actually the most effective strategy for achieving the life our dreams!

Dewang
Roll No:241074
BA I

We Shall Overcome!

What are the challenges that life throws at us?
How do we overcome them? This is life's eternal quest.

Some people have a physical challenge like a disability or illness that prevents them from performing certain tasks. Others have emotional challenges like depression or anxiety.



Some struggle with mental health issues and some who face spiritual difficulties, such as feeling lost in the world that seems to move too

SPORTS





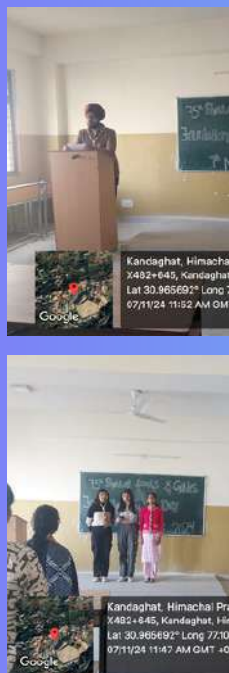
CELEBRATION OF ANNUAL DAY



ROAD SAFETY CLUB



ROVERS & RANGERS





NSS



Dr. Ms. Malvika Sharma



**Pankaj Kumar B. Com 3rd Year
Student Editor**



“Commerce is the main artery of civilization.” — William Gilmore Simms I am delighted to present the Commerce section of our college magazine, Udbhav. This section aims to capture the essence of what commerce offers in today’s dynamic world. Each article reflects the curiosity to discover, to live the experience and the drive to better understand the world of commerce. I express my immense gratitude to our respected Principal, Dr. M. L. Mankotia, and our Staff Editor, Ms. Malvika Sharma, whose guidance and encouragement helped shape this section. I would also like to thank all the students for their contributions, which made this section possible through their hard work and creativity.

I hope you find this section inspiring and useful.

**Pankaj Kumar
B. Com III
Roll no.-22410**



COMMERCE STUDENTS: CATALYSTS FOR SOCIAL CHANGE

Commerce students, often perceived as future business leaders, are uniquely positioned to drive, significant social impact. Armed with a strong foundation in business, economics and finance, they can leverage their knowledge and skills to address pressing social issues. Here's how Commerce students can contribute to social impact:

FINANCIAL LITERACY AND EMPOWERMENT

- * Community Outreach: By volunteering at schools and community centers, Commerce students can educate underprivileged individuals about financial literacy, including budgeting, saving, and investing.

- * Microfinance Initiatives: They can support microfinance organizations that provide small loans to entrepreneurs, particularly women, empowering them to start and grow businesses.

2.SUSTAINABLE BUSINESS PRACTICES

- * Ethical Consumption: Commerce students can advocate for ethical and sustainable consumption practices, encouraging consumers to choose environmentally friendly and socially responsible products.

- * Social Entrepreneurship: They can start their own social enterprises that address social issues while generating profits. For instance, businesses that promote fair trade or employ people with disabilities.

- * Corporate Social Responsibility: By working in corporations, commerce students can influence corporate social responsibility (CSR) initiatives, ensuring that businesses contribute positively to society and the environment.

3. COMMUNITY DEVELOPMENT

- * Economic Development: Commerce students can analyze market trends and identify opportunities to drive economic development in their communities. This could involve supporting local businesses or attracting investments.

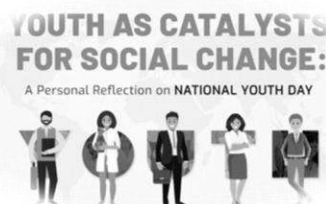
- * Social Impact Consulting: They can offer consulting services to non-profit organizations, helping them improve financial management, fundraising strategies, and operational efficiency.

4. POLICY ADVOCACY

- * Influencing Policymakers: Commerce students can advocate for policies that promote social justice and environmental sustainability. They can write letters to policymakers, participate in public hearings, or organize campaigns to raise awareness about important issues.

- * Research and Analysis: By conducting research on social and economic issues, commerce students can provide valuable insights to policymakers and organizations working for social change. By leveraging their knowledge and skills, Commerce students can make a significant impact on society.

They can be catalysts for positive change, driving innovation and creating a more equitable and sustainable future.



Japji Singh
Roll No: 21444
B. Com III

Start-Up in Himachal Pradesh: Building Businesses in the Hills

1. Why Himachal Pradesh?

Unique Opportunities in the Hills:

- **Tourism:** Himachal Pradesh attracts tourists year-round, making tourism-based start-ups very viable. Adventure sports, eco-tourism, and homestays are some ideas that resonate well here.
- **Agriculture and Organic Products:** Himachal is known for its organic produce, especially fruits, herbs, and medicinal plants. Start-ups focused on farm-to-table products, organic farming, or herbal products can leverage this.
- **Handicrafts and Local Arts:** The traditional crafts of Himachal, like Kullu shawls, Kangra paintings, and woodwork, are popular. E-commerce start-ups can bring these products to a global audience.

2. Start-Up Schemes and Government Support. The Himachal Pradesh government offers several initiatives to support local start-ups, including:

***CM Startup Scheme:** This programme provides financial aid, guidance, and mentorship to young entrepreneurs.

***Skill Development Allowance:** Young people can receive skill development training, enhancing their abilities to run a successful business.

***Subsidies for Women and Rural Entrepreneurs:** Special financial support is available for women, rural youth, and small-scale businesses.

Example: A young entrepreneur wanting to start an apple-based product line could get government funding and guidance on farming techniques, processing, and marketing.

3. Eco-Friendly Start-Up Ideas

• Himachal's natural beauty is a major asset, and eco-friendly businesses are gaining popularity here. Some ideas include:

***Eco-Tourism business** that focuses on low-impact tourism, like guided nature hikes, yoga retreats, or eco-friendly homestays.

***Sustainable Packaging:** There's a growing demand for eco-friendly packaging alternatives. A local start-up could create products using biodegradable or recycled materials.

***Renewable Energy Solutions:** Himachal has a vast potential for hydroelectric and solar power. Start-ups can explore energy solutions tailored to rural areas, such as portable solar kits or small-scale hydro power solutions.

4. Getting Started: How to Build Your Start-Up

***Find a Unique Problem to Solve:** Look around your community to identify specific needs

that are yet to be met. Do tourists need better travel information? Is there a demand for locally-made eco-friendly products?

- **Create a Business Plan:** Define your product, target audience, funding requirements, and marketing strategies. This doesn't have to be complex—just a clear outline to guide your

steps.

- **Build a Local Network:** Connect with local business groups, farmers, and artisans. Collaboration is often the key in smaller towns, and these networks can help you with resources, partnerships, and knowledge-sharing.

5. Leveraging Digital Tools for Wider Reach

- A business in Himachal doesn't have to stay limited to the region. Digital tools can help reach customers across India and even internationally.

***E-commerce Platforms:** Sites like Amazon, Flipkart, and Etsy are great for selling handicrafts, organic products, and packaged goods.

***Social media:** Platforms like Instagram and Facebook are essential for showcasing your products, especially if they have visual appeal (like handicrafts or scenic tourism spots).

***Local Listing Sites:** For tourism-based start-ups, listing on Google My Business, Trip Advisor, and Airbnb can bring in a steady stream of visitors.

6. Start-Up Success Stories in Himachal

- **Tea Estate to Direct Sales:** Many small tea estate owners are now selling their products directly to consumers online. By branding their teas as organic, fair trade, and local, they've created a niche for Himachali tea.
- **Apple Cider Vinegar Production:** Himachal's apple orchards have inspired start-ups producing apple-based products like vinegar, cider, and preserves, which are gaining popularity.
- **Adventure Tourism Providers:** Young entrepreneurs have started adventure tourism companies offering trekking, paragliding, and rock climbing. They work closely with locals to ensure safety and respect for the environment.

7. Challenges and How to Overcome Them

- **Connectivity:** In remote areas, internet and transport can be limited. Partnering with logistics companies and focusing on online marketing can help overcome this.
- **Seasonal Nature of Tourism:** Tourism fluctuates with seasons. Diversifying products, like adding online sales of local products, can provide steady revenue.
- **Access to Finance:** Although there are government schemes, accessing private funding can be tough in remote areas. Networking with investors in nearby cities or applying for online grants can provide financial support.

8. Adopting a Local Brand Identity

- One way to stand out is to promote a local identity in your branding. Himachal is known for its purity, nature, and traditional wisdom. Incorporating these elements into your brand name, logo, and product design can attract customers both locally and internationally.
- Final Thoughts: Dream Big, Think Local**
- Himachal Pradesh offers a unique landscape for young entrepreneurs. By focusing on the region's



natural strengths and tapping into local resources, you can build a business that supports both you and your community. Starting a business is never easy, but with the right idea, support, and a touch of local flavour, your start-up in Himachal could be the next big thing in India's business landscape.

Ritik Thakur
Roll no.
BCom III

A World of Opportunities: Career Paths in Commerce

Commerce is a versatile field that offers a plethora of exciting career paths. With a strong foundation in business, economics, and finance, commerce graduates can explore diverse roles across various industries. Let's delve into some of the most promising career options related to commerce.

Traditional Career Paths

* **Chartered Accountant (CA):** One of the most prestigious and sought-after professions, CAs play a crucial role in financial reporting, auditing, taxation, and corporate advisory services.

* **Company Secretary (CS):** CS professionals provide legal, secretarial, and governance advice to companies. They ensure compliance with laws and regulations.

* **Cost Accountant:** Cost accountants analyze business costs and provide insights to optimize operations and improve profitability.

* **Financial Analyst:** Financial analysts evaluate investments and assess financial risks. They work in investment banks, mutual funds, and corporate finance departments.

* **Banker:** A career in banking offers diverse roles, including commercial banking, investment banking, and retail banking. **Emerging Career Paths**

* **Digital Marketing:** With the rise of digital technology, digital marketing has become a lucrative career option. Digital marketers specialize in online advertising, social media marketing, and content marketing.

* **Data Analyst:** Data analysts collect, clean, and analyze large datasets to extract valuable

insights. They are in high demand across various industries.

* **E-commerce Specialist:** E-commerce specialists work in online retail, managing online stores, digital marketing campaigns, and customer experience.

* **Financial Advisor:** Financial advisors provide personalized financial advice to individuals and businesses. They help clients with investment planning, retirement planning, and tax planning.

* **Entrepreneur:** For those with an entrepreneurial spirit, commerce provides a strong foundation to start your own business.

Essential Skills for Commerce Professionals

To excel in a commerce career, you need a combination of technical skills and soft skills:

* **Strong analytical skills:** To analyze data, identify trends, and make informed decisions.

* **Numerical skills:** To handle financial calculations and statistical analysis.

* **Communication skills:** To effectively communicate with clients, colleagues, and stakeholders.

* **Problem-solving skills:** To identify and resolve complex issues.

* **Adaptability:** To stay updated with the latest industry trends and technologies. By developing these skills and pursuing relevant education and certifications, Commerce graduates can unlock a wide range of exciting career opportunities.

Japji Singh
Roll no.21444
B.Com II



Dr. Geeta Negi



I am pleased to introduce the latest edition of the Planning Section of our college magazine , *Udbhav* . In this issue, we've explored a variety of engaging and insightful articles on topics centered on the Indian economy and planning. This collection represents the creative talents and intellectual contributions of our skillful students.

I extend my heartfelt thanks to our respected Principal, Dr. M. L. Mankotia, for his continuous motivation and unwavering support. I am also deeply grateful to Dr. Geeta Negi , the Staff Editor of this section, for her invaluable guidance and encouragement in bringing this section to life . I especially appreciate the enthusiastic efforts of the students in making this section vibrant and enriching .



**Sakshi Kashyap BA 3rd Year
Student Editor**

Sakshi Kashyap
Roll No: 22121
BA III



India's Thriving Start-Up Ecosystem A Golden Opportunity for Young Entrepreneurs

India's start-up ecosystem, led by a new generation of young entrepreneurs, is booming in 2024. With over 90,000 start-ups and more than 100 unicorns, India has become one of the world's largest start-up hubs. College students are seizing the moment, diving into sectors like EdTech, FinTech, HealthTech, and sustainable solutions. This shift reflects a new mindset where youth are increasingly focused on becoming job creators rather than job seekers.

Why the Youth Start up Boom is Happening

Thanks to the widespread internet access, young Indians across the country can now access knowledge and digital tools, levelling the playing field. Government initiatives like Start-up India, Stand-Up India, and Pradhan Mantri Mudra Yojana (PMMY) are also empowering young founders with funding and support. The National Education Policy (NEP) 2020 encourages skill-based learning, giving the next generation the tools they need to innovate.

The Digital Advantage

The rapid expansion of India's digital economy offers a unique advantage. E-commerce, digital payments, and remote work tools make it easier and cheaper to launch and grow businesses. Start-ups can reach new audiences, validate ideas quickly, and scale with minimal infrastructure.

Challenges and Support for New Entrepreneurs

Funding and mentorship remain challenges, but colleges are now establishing entrepreneurial cells, and many angel investors and incubators focus on supporting young start-ups. These support systems help young entrepreneurs build resilience and the problem-solving skills needed for long-term success.

The Future of Youth Entrepreneurship

Indian youth is set to drive the future with solutions in AI, IoT, and Blockchain. Environmental awareness is also growing, with many young founders focused on sustainable, eco-friendly solutions.

Embracing the Entrepreneurial Spirit

For college students, entrepreneurship is about more than profit; it's a journey of learning, resilience, and creativity. With ample resources and opportunities available, today's students have everything they need to make an impact. Every successful start-up begins with a bold idea and the courage to pursue it—an invitation for young people to shape India's future.

Anjali

Roll No: 231023

BA II

Apple Economy in Himachal Pradesh: Challenges and Innovation

"To forget how to dig the earth and to tend the soil is to forget ourselves." Mahatma Gandhi

Himachal Pradesh, with its unique topography and climate, is an agrarian state, renowned for producing high quality apples, the backbone of its agricultural economy.

Himachal Pradesh accounts for 25-30% of India's apple production and the state has earned fame as the 'Apple State' of India.

The apple was first cultivated in Himachal in Thanedhar village of Shimla district.

The Importance of Apple farming in Himachal Pradesh



Apples account for nearly 80% of the state's fruit production around 1,10,679 hectares. Known for their flavour and quality, Himachal's apples enjoy a reputation that attracts markets across India. Districts like Shimla, Kullu, Kinnuar and Mandi are the major apple producing regions, relying heavily on this crop for their economic well being. The apple industry alone contributes significantly to the state's GDP and provides livelihood to thousands of farmer.

Challenges facing the Apple Economy

- **Climate change and unpredictable weather patterns:** The apple industry is highly sensitive to weather condition, requiring cold winters for dormancy and a moderate summer for optimal growth. However, unpredictable weather patterns, including warmer winters and erratic rainfall pose a threat to quality and quantity production.
- **Limited cold storage and supply chain issues :** Cold storage is essential for preserving apple quality post-harvest especially given the remote location of many orchards, there is a shortage of adequate cold storage facilities resulting in spoilage and financial loss .
- **Market competition and fluctuations:** Domestic and international competition, especially from apple imports, has stagnated prices of Indian apple crop in the market. Foreign apples, often subsidized, attractively priced, can overshadow local produce. Additionally, fluctuating price make it challenging for farmers to predict and plan their income effectively.
- According to the Economic Survey report of the year 2023-24, the state produced 484,000 tonnes of apples in 2023, which is 28% less than the total yield of 672,000 tonnes in 2022.

• Innovative Solutions and Recent Developments

- **Climate Resilient Apple Varieties :** The Indian Agricultural Research Institution in Himachal Pradesh has developed climate resilient varieties such as 'Royal Delicious' and 'Scarlet Spur' which require fewer chilling hours. These varieties are designed to withstand unpredictable weather conditions.
- **Expansion of cold storage :** The state government and private players are investing in new cold storage facilities. HPMC is expanding its storage and processing infrastructure, allowing better handling and packaging of apples.
- **Direct Marketing and Digital Platforms :** Digital platforms and direct – to – consumer marketing models are gaining attraction, producing farmers access to a broader market. platform like Him Kisan are enabling farmers to sell their produce directly to consumer and wholesaler, by-passing intermediaries.
- **Organic and Value Added Product:** A shift toward organic apple farming has opened up premium markets for farmers willing to adopt organic practice. By selling directly organic apple farmers can attract higher prices both locally and internationally. Additionally processing apple into Value added product like juice, apple cider, and jams provide a steady income sources.
- **Skill Development Programme :** Skill development, aimed at educating farmers on sustainable practice, crop diversification, and financial planning are on the rise.

Conclusion:

The apple economy in Himachal Pradesh stands at a crossroads. The future for

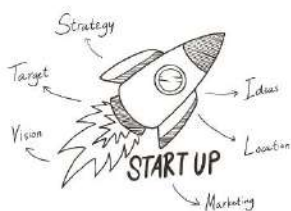
apple farmers in Himachal Pradesh looks promising provided that they continue to adapt to these changes and adopt newer technologies. Apple farming not only supports the state economy but also provides a boost to local tourism and drives infrastructure development in mountains. Apples are not just a fruit in Himachal; they are a way of life, a heritage, and the backbone of our economy.

Sakshi
Roll No: 22121
B.A III

Start-up India: Driving Entrepreneurship and Innovation

Launched in 2016, Start-up India is an initiative by the Government of India to promote a start-up ecosystem and boost economic growth by promoting entrepreneurship and innovation. With support in funding, legal assistance, and tax relief, Start-up India has become a vital force in shaping India as a global hub for start-ups.

Objective of Start-up India



The primary goal of Start-up India is to reduce regulatory burdens, provide

financial assistance, and create a support system. This initiative aims to promote job creation, enhance innovation, and position India as a leader in emerging industries.

Key Features

1. **Ease of Doing Business:** Start-up India has simplified the process of starting and operating a business by reducing paperwork and offering easy registration. The platform also provides resources and mentorship to help startups.

2. **Financial Incentives:** To support start-ups financially, the government has created a Fund of Funds with a corpus of INR 10,000 crore and many incentives.

3. **Startup India Hub:** The initiative has a dedicated digital platform to connect entrepreneurs with investors, mentors, and other startups, creating network that drives collaboration and innovation.

4. **Innovation and Skill Development:** Startup India runs programs to promote innovation among youth and offers skill development to improve employability. Programs like Atal Innovation Mission encourage creative problem-solving.

Impact of Start-up India

Since its inception, Start-up India has registered over 1,40,000 startups, which have collectively created more than 15 lakh jobs. This growth has helped transform India into the third-largest start-up ecosystem globally.

Challenges and the Way Forward

While Start-up India has achieved considerable success, challenges remain, including funding gaps and regulatory complexities. However, with continuous support and improvements, Start-up India is likely to play a crucial role in realizing India's vision of a \$5 trillion economy by 2025, positioning the country as a leader in global innovation and economic progress.

Pankaj Kumar
Roll No: 22410
B.Com. III

Impact of Climate Change on Economic Development

Climate change poses significant risks to economic development, threatening to reverse progress made in recent decades. Rising temperatures, extreme weather events, and changing precipitation patterns disrupt economic activities, damage infrastructure, and impact human health.



Economic Sectors Affected:

1. **Agriculture:** Climate change alters growing seasons, crop yields, and food security, impacting farmers' livelihoods and food prices.
2. **Infrastructure:** Rising sea levels, floods, and heat waves damage roads, bridges, and buildings, requiring costly repairs and reconstruction.
3. **Health:** Warmer temperatures increase disease spread, heat stress, and mortality, straining healthcare systems and reducing productivity.
4. **Tourism:** Climate-related events and changing weather patterns affect tourist destinations, leading to economic losses and job displacement.
5. **Water Resources:** Changes in precipitation and melting glaciers impact water availability, quality, and management, affecting industries and communities.

Economic Consequences:

1. **GDP Losses:** Climate change can reduce global GDP by up to 11% by 2100.

2. **Increased Inequality:** Climate change disproportionately affects vulnerable populations, exacerbating income inequality and social injustice.

3. **Human Migration:** Climate-related displacement and migration strain local resources and economies.

4. **Increased Costs:** Climate change drives up costs for healthcare, emergency response, and infrastructure repair.

Opportunities for Climate-Resilient Economic Development:

1. **Renewable Energy:** Transitioning to clean energy sources creates jobs and stimulates local economies.
2. **Sustainable Infrastructure:** Investing in climate-resilient infrastructure enhances economic resilience and reduces long-term costs.
3. **Climate-Smart Agriculture:** Implementing climate-resilient agricultural practices improves food security and supports rural development.
4. **Ecosystem-Based Adaptation:** Preserving natural ecosystems provides cost-effective climate adaptation solutions.

In conclusion, climate change poses significant economic risks, but also presents opportunities for sustainable development and climate resilience.

Ishita Sharma

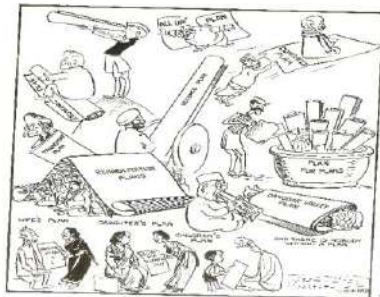
Roll No: 22159

B.A III

The Role of Political Stability in Shaping the Indian Economy

Political stability plays a crucial role in the economic growth and development of any country, and India is no exception. As one of the largest democracies in the world, India's economic landscape is often shaped by the nature of its political environment. Stable governance can lead to steady economic policies, increased investor confidence, and sustainable growth, while political instability can result in policy paralysis and economic uncertainty. This article explores the role of political stability in driving economic success in India and how the lack of it can impact the country's economic trajectory.

In a rapidly globalizing world, both domestic and international investors seek assurances of continuity in policies, especially in emerging markets like India. Political stability fosters an environment where policies remain consistent and transparent, which is essential for businesses and investors. When businesses are assured of continuity, they are more likely to make long-



term investments, which lead to job creation, technological advancements, and a stronger economy. For instance, during

periods of strong political stability, such as the reforms of the early 1990s, India saw significant growth. The liberalization policies that dismantled barriers to trade and investment were possible due to stable leadership and a clear vision. Since then, India's economy has consistently benefitted from phases of political steadiness, resulting in boom in industries like IT, telecommunications, and manufacturing.

On the flip side, political instability can lead to a lack of clear economic direction. Frequent

changes in government or coalition conflicts can slow down or halt policy implementations. Policy uncertainty often results in postponed investments, sluggish industrial growth, and even capital flight, as businesses seek more stable environments for investment. The 2008 global financial crisis highlighted how critical political will and stability are in addressing economic shocks. In India, rapid response and cohesive policy actions by a stable government helped mitigate the crisis's impacts. However, when coalition politics or frequent leadership changes create uncertainty, the economy's resilience weakens, making it challenging to manage such shocks effectively.

India's ambitious social and economic programmes, such as Digital India, Make in India, and the Smart Cities Mission, are long-term projects that require consistent support across political cycles. Political stability ensures these projects receive the necessary funding, support, and policy continuity they need to thrive. The implementation of the Goods and Services Tax (GST) and the Insolvency and Bankruptcy Code (IBC) are recent examples of transformative policies that required political consensus and stability to become reality.

The relationship between political stability and economic growth in India is undeniably strong. Stable governance enables steady economic policies that foster growth, whereas political instability often hampers progress. As India continues to evolve as a global economic power, political stability will remain a critical factor in ensuring sustainable economic growth and achieving long-term development goals. Political stability is more than just a benefit—it is a foundational requirement for economic prosperity in a vast and diverse country like India.

Ritik Sharma
Roll No: 22406
B.Com. III

MSME: देशकी धड़कन (सूक्ष्म, छोटे और मध्यम उद्यम)

सूक्ष्म से शुरू, बड़ा सपना बुनता,
छोटा सा कारोबार, हर हाथ को खींचता।
मध्यम में मिलकर, नवाचार की लहर,
स्वदेशी उत्पादन, आत्मनिर्भरता का धर।
हर चुनौती को स्वीकार, मेहनत की पहचान,
उद्यमिता की राह पर, चलते हम एक जान।

सपनों की खेती, हर
गांव की कहानी,

MSME से सजती,
हर बस्ती, हर नानी।

बाजार की रेस में, हम
पीछे नहीं हटेंगे,

नवाचार की शक्ति से, हर मुश्किल को मात देंगे।

छोटे से बड़े तक, सारा देश साथ है,

MSME है हमारा, भविष्य का हकदार है।



अंशु वर्मा

Roll No: 231069

B.A

The Rise of Digital Payments in India: Changing the Economy

In recent years, India has seen a big shift from cash to digital payments. This change has been encouraged by the government, improvements in technology, and efforts to include everyone in the financial system. Digital payments make transactions faster and more convenient, and they help the economy by reducing corruption and bringing more people into the formal banking system.

India's digital payment system has grown quickly. Experts predict that by 2025, digital

payments in India will reach over \$1 trillion, putting the country among the global leaders in this area. The Unified Payments Interface (UPI), launched in 2016 by the National Payments Corporation of India (NPCI), has been a big reason for this growth. UPI allows people to transfer money instantly between bank accounts, making it the most popular method for digital transactions.

Other tools, like mobile wallets, internet banking, and QR codes, have made digital payments easy to use, even in rural areas. Popular platforms such



as Google Pay, PhonePe, and Paytm have brought digital payments to millions of Indians, making transactions simple for people from all backgrounds.

The Indian government has supported digital payments in many ways. The Digital India campaign, started in 2015, aims to make India a digitally empowered society where everyone can access digital services. Programmes like DigiDhan, Bharat Interface for Money (BHIM), and Direct Benefit Transfers (DBT) have encouraged people to adopt cashless transactions.

The demonetization event in 2016, when high-value currency notes were removed, pushed many people toward digital payments as they looked for new ways to pay. Recently, the Reserve Bank of India (RBI) has been promoting a "cash-lite" economy (reducing the use of cash) with digital vouchers and other initiatives, encouraging people to go digital.

Digital payments have brought banking to people in rural areas who previously had limited access. This has allowed more people to save, invest, and

contribute to the economy. Since digital transactions are easy to track, they reduce opportunities for corruption and tax evasion, which are often linked to cash payments. Digital payments empower small businesses by making it easier for them to receive payments and reach more customers. They no longer need to rely on cash only, allowing them to grow and operate more smoothly. Digital payments make transactions quicker and reduce the need for physical banks and cash handling. This speeds up the flow of money, which helps boost economic activity. The digital payment boom has created new jobs in areas like financial technology (fintech) and cyber security. Indian companies are creating secure and easy-to-use digital payment solutions, driving innovation.

While digital payments are growing rapidly, there are still challenges. Cyber security risks and data privacy issues are major concerns. As more people use digital platforms, they face the risk of fraud and data theft. Teaching people about safe practices and strengthening rules can help keep users safe. Another challenge is digital literacy. While smart phone use is increasing, many people, especially in rural areas, may not know how to use these payment platforms. Educating people about digital payments through awareness programs is essential to make sure everyone can use them confidently.

The rise of digital payments in India is changing the economy by making transactions faster, promoting financial inclusion, and reducing corruption. As digital payments grow, they can play an even bigger role in the economy, helping small businesses and encouraging new ideas. However, tackling security risks and improving digital literacy will be key to making sure digital payments benefit all sections of society. With continued government support and better digital skills, India is on track to lead in the global digital economy.

Anjali
Roll No: 231023
B.A II

Crypto Currency- The Future Money

Crypto currency is a type of digital or virtual money that uses cryptography for security. Unlike traditional money, such as rupees or dollars, crypto currencies are decentralized and operate on a technology called block chain. This means they are not controlled by any government or financial institution.



What is Block chain?

Think of block chain as a digital ledger that records all transactions across a network of computers. Every transaction made with a crypto currency is recorded on this ledger, making it transparent and secure. It's like a digital notebook that everyone can see but no one can alter.

Popular Crypto currencies

- Bitcoin (BTC): The first and most well-known crypto currency, created in 2009 by an unknown person (or group) using the name Satoshi Nakamoto.
- Ethereum(ETH): Known for its smart contract functionality, which allows developers to build decentralized applications.
- Ripple (XRP): Aimed at facilitating fast and low-cost international payments.

How do Crypto Currencies Work?

To use crypto currencies, you need a digital wallet, which is an app or a software where you can store your digital money. You can send and receive crypto currencies directly to and from other people without the need for a middleman like a bank. Transactions are verified by network participants (miners) who use powerful

computers to solve complex mathematical problems.

Benefits of Crypto Currencies

1. Decentralization: No single entity has control, reducing the risk of corruption or misuse.
2. Lower Transaction Fees: Sending money internationally is cheaper compared to traditional banks.
3. Fast Transactions: Crypto currency transactions can be processed quickly, even across borders.

Challenges and Risks

1. Volatility: Crypto currencies are known for their price swings, making them risky investments.
2. Regulation: Lack of regulation can lead to issues like fraud and market manipulation.
3. Security: While block chain is secure, digital wallets and exchanges can be hacked.

The Future of Money

Crypto currencies have the potential to revolutionize the financial world. They could provide financial services to people without access to traditional banking and reduce the cost and time of international transactions. However, widespread adoption will depend on overcoming current challenges like regulatory acceptance and market stability.

In conclusion, while crypto currencies are still in their early stages, they hold significant promise for the future of money. As technology advances and more people begin to understand and trust these digital assets, they could become a standard part of our financial system.

Pankaj

Roll No: 22410

B.Com. III

TAXATION IN INDIA

Taxation in India is a complex system governed by a combination of central, state, and local authorities. The Indian tax system includes direct taxes, which are levied on income and wealth, and indirect taxes, which are levied on goods and services.

Direct tax is a type of tax that is levied directly on an



individual's or organization's income, wealth, or property. It is paid directly to the government by the taxpayer and cannot be transferred to another party. Common examples of direct taxes include: income tax, corporate tax, property tax, wealth tax. An indirect tax is a tax that is levied on goods and services rather than on income or profits. Unlike direct taxes, the burden of an indirect tax can be passed on to others, typically the consumer. Indirect taxes are usually included in the price of the goods or services being sold. Common examples of indirect taxes include: Sales Tax, Value-Added Tax (VAT), Excise Tax, Customs Duty. Other taxes include Property tax and Stamp duty, taxes levied on the transfer of property (such as land, building, or shares) and legal documents like agreements, deeds, and contracts. Stamp duty rates vary by state. The Fringe Benefit Tax was introduced to tax benefits or perks provided by employers to employees but was abolished in 2009.

Recent Reforms and Developments

*Simplified Tax Regime: The government has introduced various reforms, such as the Faceless Assessment scheme to reduce human intervention in tax assessments.

*Tax Audit and Compliance: Measures have been taken to improve compliance, including mandatory tax audits for certain businesses.

*International Taxation: India has signed various Double Taxation Avoidance Agreements (DTAA) to prevent double taxation of income earned in one country and taxed in another.

India's tax system is designed to raise revenue for the government while promoting economic growth and fairness. While there are many layers of taxation, recent reforms like the introduction of GST have aimed to simplify the process and create a more transparent and efficient system.

Mohit

Roll No: 21447

BCom. III

India's Leap into a Digital Economy: Opportunities and Challenges

India's economy is undergoing a significant transformation, driven by digital technologies. The country's transition to a digital economy is expected to boost economic growth, improve governance, and enhance citizen services. This article explores India's journey toward a digital economy, highlighting opportunities, challenges, and key initiatives.

The Digital India Initiative

In 2015, the Indian government launched the Digital India programme, aiming to transform the country into a digitally empowered society. The initiative focuses on three key pillars:

1. Digital Infrastructure: Establishing a robust digital infrastructure, including high-speed internet, mobile connectivity, and digital payments.

2. Digital Literacy: Promoting digital literacy through education and training programmes.

3. Digital Governance: Delivering citizen-centric services through digital platforms.

Key Drivers of Digital Economy

Several factors are driving India's transition to a digital economy:

1. Smart phone penetration: India has over 750 million smart phone users, making it the second-largest smart phone market globally.

2. Internet adoption: Internet penetration has reached 50% of the population, with rural areas witnessing significant growth.

3. Digital Payments: India's digital payment market is growing rapidly, with transactions valued at \$1 trillion in 2022.

4. E-commerce: India's e-commerce market is projected to reach \$200 billion by 2026.

Opportunities offered by India's digital economy

1. Job Creation: The digital sector is expected to create over 1 million jobs by 2025.

2. Increased Efficiency: Digital technologies can improve productivity and efficiency in various sectors.

3. Financial Inclusion: Digital payments and mobile banking have expanded financial services to underserved populations.

4. Innovation: India's start-up ecosystem is thriving, with unicorns emerging in sectors like e-commerce, fintech, and edtech.

Nidhika Thakur

Roll No: 22160

BA III



Dr. Harinder Lal



Dear Readers

I am much delighted to be a part of this year's annual college magazine as the Editor of the Science section. The magazine provides our students a platform to share their thoughts and experiences, and gives an opportunity to showcase their creative talent. The Science section is a reflection of scientific knowledge in the form of articles related to various branches of Science.



Nancy B.Sc. 3rd Year

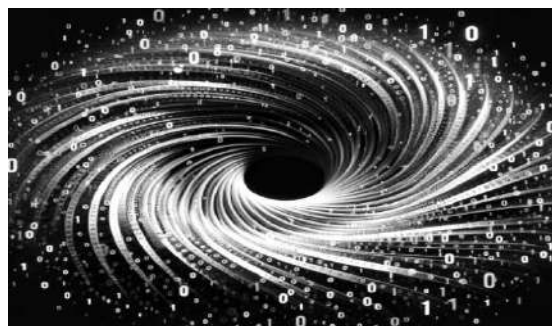
Student Editor

Nancy
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B.Sc. III



Black Holes

Black holes are among the most mysterious and fascinating objects in the universe. They are regions of space where gravity is so strong that nothing, not even light, can escape. The boundary of this region is called the event horizon. Once something crosses the event horizon, it is pulled into the black hole and can never escape. These cosmic giants are formed when massive stars collapse at the end of their life cycle. When a star runs out of fuel, it can no longer support its own weight. The star's core collapses inward, and the outer layers are blown away in a supernova explosion. If the core is massive enough, it will continue to collapse until it becomes a black hole.



Types of Black Holes

There are three main types of black holes:

Stellar black holes: These are the most common type of black hole. They are formed from the collapse of massive stars. **Super massive black holes:** These are millions or even billions of times more massive than the Sun. They are found at the centers of most galaxies, including our own Milky Way galaxy. **Intermediate black holes:** These are black holes with masses between stellar and super massive black holes. They are relatively rare. Black holes are invisible, so we cannot see them directly. However, we can detect them by observing their effects on their surroundings. For example, black holes can accrete matter from nearby stars and galaxies. This matter forms a disk around the black hole

and heats up to extremely high temperatures, emitting X-rays. We can detect these X-rays with telescopes.

Black holes are one of the most fascinating and mysterious objects in the universe. They are still poorly understood, and there is much more to learn about them. In the future, astronomers hope to use new telescopes and techniques to study black holes in more detail. They also hope to develop a theory of quantum gravity that can explain what happens inside a black hole.

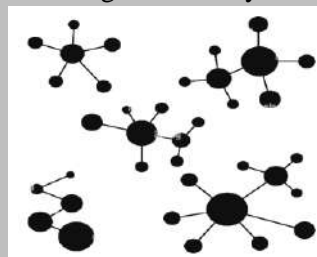
Rahul

R.No. - 237005

BSc. I

Computational Chemistry

Computational Chemistry is a branch of Chemistry that uses computer simulation to understand and predict the behaviour of molecules and chemical reactions. Instead of running experiments in a lab, scientists use powerful computers to model atoms and molecules, which they observe interacting and behaving as they would in real life.



Scope of computational Chemistry

Drug Discovery: Computational Chemistry predicts how molecules will interact with biological targets in order to help identify potential drug candidates. This saves a considerable amount of time and cost in the discovery of drugs.

Material Science: Scientists can design new materials under specific conditions about

strength, conductivity, or resistance to heat only through simulating properties of materials.

Energy Research: Computational Chemistry has been used in energy storage and conversion processes that make batteries and solar cells more efficient.

Environmental Science: The behaviour of pollutants together with their interaction with the environment allows scientists to develop strategies for mitigating environmental damage. Advancing computer technology will soon revolutionize much in computational chemistry. Scientists can begin to wrestle some of the world's most difficult problems with the ability to predict complex system behaviour—from global warming to disease-fighting.

Suryansh

R.No.247001

BSc. I

Space Exploration and Astronomy

Space exploration is entering an era of unprecedented innovation and ambition. From reusable spacecraft to plans for human colonization on other planets, humanity is pushing the boundaries of presence beyond earth. One of the most significant advancements in recent years is the rise of reusable spacecraft. The Exploration Company is spearheading efforts in Europe with "Nyx," a reusable space capsule designed to transport cargo to and from space stations. Its innovative design allows for refuelling in orbit and reduces operational costs by up to 50%. Private companies are driving much of the momentum in space exploration. Space and astronomy have always fascinated humanity, offering glimpses into the mysteries of the universe. In recent years, ground breaking advancements in technology and scientific understanding have revolutionized our exploration of space, bringing us closer to unravelling its secrets. The James Webb Space Telescope (JWST), Launched in late 2021, has become one of the most significant tools in modern astronomy. With its advanced infrared capabilities, JWST has revealed stunning images of distant galaxies, nebulae, and exoplanet. Recently, it captured the light of the earliest

galaxies formed after the Big Bang, providing crucial insights into the universe's infancy. Scientists are also using it to analyse the atmospheres of exoplanets, searching for signs of life. India's Chandrayaan-3 mission made history in 2023 by successfully landing near the Moon's south pole, an area of great scientific interest due to its potential for water ice. Shortly after, the Aditya-L1 mission was launched to study the Sun's corona, solar winds and their impact on Earth. These missions have positioned India as a key player in global space exploration. Astronomers are intensifying their search for exoplanets that could support life. With thousands of exoplanets already discovered, recent studies focus on Earth—like planets in the "habitable zone" of their stars. The Transiting Exoplanet Survey Satellite (TESS) and JWST are identifying planets with conditions favourable for water, a critical ingredient for life as we know it. Mars remains the ultimate goal for many space agencies and companies. NASA, SpaceX, and other organizations are investing in technologies to make Mars missions viable, including advanced propulsion systems and life-support technologies. The success of missions to the Moon will play a pivotal role in preparing for the challenges of interplanetary travel.

Despite these advancements, significant challenges remain. The costs of deep-space exploration, the risks of human spaceflight, and the need for international cooperation are ongoing concerns. Additionally, addressing the environmental impact of space launches and managing orbital debris are critical issues for the sustainability of space activities. The rapid advancements in space exploration and astronomy are opening up new possibilities for humanity. From uncovering the universe's origins, to finding habitable worlds and ensuring our survival, the future of space science is as boundless as the cosmos itself. As we continue to explore, each discovery brings us one step closer to answering some of the most profound questions about our place in the universe. The sky is no longer the limit—it's just the beginning.

Karma Negi

R.No 247002

BSc. I

Gravitational Force: The Invisible Hand of the Universe

Gravitational force, often simply referred to as gravity, is a fundamental force of nature that attracts any two objects with mass. It's the force that keeps our feet firmly planted on the ground, the planets orbiting the Sun, and galaxies clustered together.

Sir Isaac Newton first described gravity in his Law of Universal Gravitation. This law states that:

- * The force of attraction between two objects is directly proportional to the product of their masses.

- * The force of attraction is inversely proportional to the square of the distance between their centers.

Mathematically, this can be expressed as: $F = G * (m_1 * m_2) / r^2$

where:

- * F is the force of gravity
- * G is the gravitational constant
- * m₁ and m₂ are the masses of the two objects
- * r is the distance between the centers of the two objects

Gravity plays a crucial role in shaping the universe:

- * **Formation of Stars and Planets:** Gravity pulls together vast clouds of gas and dust, leading to the formation of stars and planets.
- * **Orbital Motion:** Gravity keeps planets, moons, and other celestial bodies in orbit around larger objects.
- * **Black Holes:** Extremely massive objects can have such strong gravity that not even light can escape their pull, creating black holes.
- * **Tides:** The gravitational pull of the Moon and the Sun causes tides in Earth's oceans.

* **Everyday Life:** Gravity affects everything from the way we walk to the way objects fall. While Newton's law provides a good approximation for most everyday situations, Albert Einstein's theory of general relativity offers a more comprehensive explanation of gravity. Einstein



proposed that gravity is not a force but a curvature of spacetime caused by mass and energy. This theory has been confirmed by numerous experiments and observations, including the bending of light by massive objects and the existence of gravitational waves. Scientists continue to explore the mysteries of gravity. Ongoing research aims to:

- * **Detect gravitational waves:** To better understand the universe's history and the nature of gravity.
- * **Unify gravity with other fundamental forces:** To create a single, unified theory of everything.
- * **Harness gravity for future technologies:** Such as advanced propulsion systems and space travel. Gravitational force, though invisible, is a powerful force that shapes the universe. Its understanding has revolutionized our knowledge of the cosmos and continues to inspire scientific inquiry.

Rahul
R. No. 237005
BSc. I

The Flexible Fabric of Time: Understanding Relativity

Imagine you're on a train, travelling to visit your friends. You look out the window and see a tree passing by. Now, imagine your friend is standing next to that tree, watching you whizz by. Who's moving, and who's standing still? This thought experiment is at the heart of Albert Einstein's ground-breaking theory of relativity.

You might think time is absolute – 60 seconds always equal one minute, everywhere. But Einstein showed that time is relative, dependent on the observer's frame of reference. Let's go back to the train. You're on the train, and you have a clock with you. Your friend is standing next to the tree with an identical clock. You both synchronize your clocks to show the same time. Now, imagine the train starts moving really fast. From your perspective on the train, everything seems normal. But from your friend's perspective, something strange happens. Your clock appears to be running slower compared to theirs!

This effect, known as time dilation, becomes more pronounced as you approach the speed of light. Time doesn't pass at the same rate for everyone; it depends on how fast you're moving relative to each other.

Einstein's theory also introduced the concept of the speed of light as a universal constant. No matter how fast you're moving or where you are in the universe, light always travels at the same speed (approximately 186,282 miles per second). This constant speed of light leads to some mind-bending consequences:

- Time can appear to slow down or speed up, depending on your relative motion.

- Distance and length can appear different to observers in different states of motion.

- Simultaneity is relative; two events that happen simultaneously for one observer may not for another. Relativity might seem abstract, but its effects are real and measurable:

- GPS technology relies on relativity corrections to maintain accurate location and time.

- Particle accelerators must account for relativity to achieve precise measurements.

- Astronomers use relativity to understand the behaviour of high-speed celestial objects. Relativity challenges our intuitive understanding of time and space. Here are some key takeaways:

1. Time is relative, not absolute.

2. The speed of light is constant, regardless of motion.

3. Motion affects measurements of time, distance, and simultaneity. While relativity can be mind-bending, it's a fundamental aspect of our universe. Embracing this concept can expand your understanding of space and time.

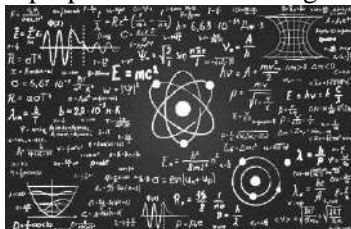
Suryansh

R. No. 247001

BSc. I

The Mysterious World of Quantum Physics

The mysterious world of quantum physics is a realm where the impossible becomes possible and the rules of reality are defied. At the smallest scale particles can exist in multiple places simultaneously, be entangled across vast distances and exhibit properties that challenge our fundamental understanding of space and time. In this bizarre domain, particles can tunnel through solid barrier and wave like behaviour governs the behaviour of matter. The act of observation itself can alter the outcome of events and the concept of causality is stretched to its limits. Quantum physics is a realm where:



- * Schrodinger's cat can be both alive and dead.
- * Particles can be entangled, connected across vast distances.
- * Wave -particle duality blurs the lines between matter and energy.
- * Time and space are relative and gravity wraps the relative and gravity wraps the fabric of reality. This enigmatic world has led to breakthrough in technology, from transistors to supercomputers, and continues to inspire research in fields like cryptography, teleportation and quantum computing.

Nancy
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BSc. III

The Microscopic World

The microscopic world is a vast and wondrous realm, hidden from the naked eye. Microscopes reveal a universe of tiny organisms, cells and structures that underpin all life. Bacteria, viruses, and other microbes inhabit every corner of our

planet, influencing our health, environment and ecosystems.

In this miniature world, cells are the building blocks of life, with intricate organelles, working in harmony. Microscopic creatures like protozoa, algae, fungi thrive in diverse environments from the human gut to soil and oceans.

The microscopic world also encompasses the realm of nanotechnology, where scientists



engineer tiny structures and machines to revolutionize medicine, electronics and materials science.

Exploring the microscopic world has led to:

- * Discoveries of antibiotics and Vaccines.
- * Understanding of cellular biology and genetics
 - Development of microelectronics and computing
- * Insights into ecology and environmental science.
- * Advances in medical diagnostics and treatments.

This tiny domain holds immense power and potential waiting to be unlocked by curious minds. Innovative technologies as we continue to explore and understand the microscopic world, we may uncover even more secrets that transform our lives and our planet.

Nancy
R.No. 22451001
BSc. III

Sustainable Energy Solutions for a Green Future

As the world shifts towards greener future, sustainable energy solution are becoming increasingly vital. Renewable energy resources like solar, wind and hydroelectric power are leading the charge offering cleaner alternatives to fossil fuels. Advancements in technology have, made solar panels and wind turbines more efficient and affordable, enabling their widespread adoption.

Energy storage innovations like batteries and hydrogen fuel cells ensure a stable and reliable energy supply. Smart homes optimize energy consumption, reducing waste and promoting efficiency. Electric vehicles are revolutionizing transportation, while sustainable bio-fuels offer travel, a greener alternative for air travel.

Geothermal energy harnesses the Earth's heat, providing both warmth and power. Sustainable agriculture practices and reduced food waste contribute to a more energy efficient food system. Government and corporation are setting ambitious targets, resulting in renewable energy and reduced carbon emissions.

As we embrace sustainable energy solutions, we can:

- * Reduce greenhouse gas emission
- *Mitigate climate change
- *Ensure energy security
- *Create jobs and simultaneous economies
- *Protect public health and the environment

Together we can create a greener future powered sustainable energy solutions.

Nancy
R.No. 22451001
BSc. III

Breakthroughs in Medical Research

Breakthroughs in medical research are revolutionizing healthcare, coffering new hope for patients worldwide. Recent advancements include:

*Gene editing technologies like CRISPR, enabling precise modification to the human genome.

*Immunotherapy for harnessing the power of the immune system to combat Cancer.

*Stem cell research for unlocking regenerative medicine's potential

*Targeted therapies for tailoring treatments to individual genetic profiles.

*Advances in prosthetics & robotics for enhancing patient mobility & independence.

*Novel vaccines & treatments for infectious diseases like COVID-19, HIV and Malaria.

*3D printing and bio-printing for creating customized organs and tissues

*Micro-biome research for revealing the intricate relationships between gut health and coverall well- being.

These breakthroughs are transforming our understanding of human biology and disease, leading to improved patient outcomes, increased life expectancy and enhanced quality of life.



Nancy
R. No. 22451001
BSc. III

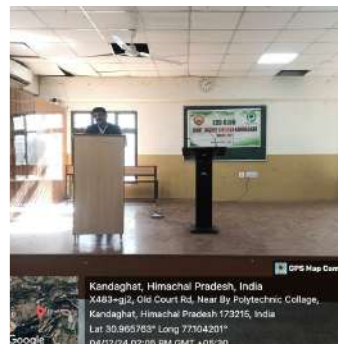


NSS

CAREER COUNSELLING AND PLACEMENT CELL



ECO CLUB



DEPARTMENTAL ACTIVITIES



ACHIEVEMENTS



RED RIBBON CLUB



Solan, Himachal Pradesh, India
X444+RQ8, Kotla Nala, Solan, Himachal Pradesh 173215, India
Lat 30.907414°
Long 77.107322°
10/09/24 11:52 AM GMT +05:30



Solan, Himachal Pradesh, India
X444+RQ8, Kotla Nala, Solan, Himachal Pradesh 173215, India
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10/09/24 10:44 AM GMT +05:30



Solan, Himachal Pradesh
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Kandaghat, Solan, 173215, Himachal Pradesh, India
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11/06/2024 10:52 AM GMT+05:30
Note : Captured by GPS Map Camera



ANTI-DRUG COMMITTEE



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X484+QHW, Old Court Rd, Kandaghat, Himachal Pradesh 173215, India
Lat 30.967086°
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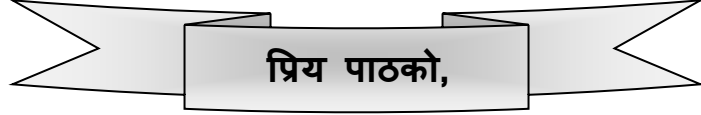
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X482+645, Kandaghat, Himachal Pradesh 173213, India
Lat 30.965692°
Long 77.100581°
30/11/24 11:38 AM GMT +05:30



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Long 77.100584°
26/10/24 01:07 PM GMT +05:30



Dr. Radha Verma



मुझे इस बात की बहुत खुशी है कि मुझे महाविद्यालय की वार्षिक पत्रिका “उद्भव” का संपादन करने का अवसर मिला। यह अवसर मुझे हिंदी अनुभाग की प्राध्यापक संपादक डॉ. राधा वर्मा ने प्रदान किया जिसके कारण मुझे छात्रों की अनेक ही रचनाओं से अवगत होने का मौका मिला। “उद्भव” एक उत्तम मंच है जिसमें विद्यार्थी अपनी भावनाओं को लिखित रूप से अभिव्यक्त करते हैं। पत्रिका के हिंदी अनुभाग में अपना योगदान देकर विद्यार्थियों ने यह सिद्ध कर दिया है कि हिंदी केवल इस विषय को पढ़ने वालों की ही नहीं है, यह तो विज्ञान, वाणिज्य, मानविकी सभी विषयों की है। हमारे बीच कितने प्रतिभाशाली रचनाकार मौजूद हैं “उद्भव” पढ़ते हुए पाठकों को इसका आभास अवश्य होगा। अंत में, मैं प्राचार्य डॉ. मदन लाल मनकोटिया के प्रति आभार व्यक्त करता हूँ, जिनकी प्रेरणा-स्वरूप यह कार्य सफल हो सका।

कार्तिक कुमार

छात्र संपादक

कला स्नातक तृतीय वर्ष



कार्तिक कुमार

छात्र संपादक

जीवन का मोती

जीवन सम है,
उस नदी-सा मानो
बहती धारा से मिलकर जो,
मोती-मोती साथ बहाए,
पल-पल सी यह,
चलती जाए ||1||

चलता मोती पी जाना है,
जीवन सफल बनाएगा वह,
छोड़ दिया जो देख वह हमने,
निरर्थक-सा रह जाएगा वह ||2||

पल-पल बीत,
यह दिन ढल जाए,
पल-पल से ही जीवन,
बीते पल वह लौट न आए,
हो जाता किए सूना मन ||3||
बूंद-बूंद अपनाता तुम,
सागर पार तर जाना तुम ||4||

दीपिका

कला स्नातक तृतीय वर्ष

नज़रें

नज़रे जो कहती हैं अनकही बातें,
जुबां से छुपी, दिल की सौगातें ।
इन्हीं निगाहोंमें बसी हैं कहानियां।
सपनों के जज्बातों की
नादानियाँ ।



चुपके से झाँकती, दिल को छू जाए,
कभी हंसी से भरी कभी नम हो जाए।
कभी शरारतों में लिपटी ये नज़रें.
कभी खामोशी में ढलती ये नज़रें।

इन्हीं में छिपा है हौंसला और डर,
इन्हीं में सिमटा है चाहत का सफर ।
खुदा की रहमत, किसी का प्यार,
इन्हीं नज़रों में बसी है ये बहार ।
नज़रों का खेल, नज़रों का जादू
हर मुलाकात का यही तो है इरादा ।
कहने को अल्फाज को नहीं दरकरार,
बस इन नज़रों का हो बस एक इज़हार ।

विशाल ठाकुर

कला स्नातक तृतीय वर्ष

बारिश और आँसू

जब बरसे बादल, झूम के आए,
दिल की बातें भी संग बह जाए।
हर बूंद में दर्द का है रिश्ता,
जैसे आँसूओं का एक सच्चा किस्सा।

जब बूंदों की रिमझिम छू जाए,
भीगी मिट्टी की खुशबू महकाए।
मेरे आँसू जो सब छुपे थे,
बारिश में चुपके से मिल गए थे।

बादलों की छांव में सुकून मिलता है,
दिल का हर ग़म बारिश में ढलता है।
ठंडी हवा जब पास से गुजरती है,
हर पीड़ा को मुझसे ये हरती है।

कोई समझ न पाए ये दर्द भरी बात,
बारिश संग बह जाएँ सारे जज़्बात।
इन बूंदों में छुपा एक गहरा राज,
दिल के आँसू और बरसात का साथ ।

बारिश मुझे यूँ राहत दे जाती है,
मेरे आँसुओं को छुपा ले जाती है।
गहरे दर्द को खुद में समा लेती है,
अपने संग मुझको भी बहा लेती है।

विशाल ठाकुर

कला स्नातक तृतीय वर्ष

प्रकृति

हरे - हरे खेतों में
बरस रही हैं बूंदें
खुशी - खुशी से आया सावन
भर गया मेरा आँगन ।

ऐसा लग रहा है जैसे
मन की कलियाँ खिल गयी।
ऐसा आया बंसत
लाया फूलों का जश्न अनंत ॥

धूप से प्यासी मेरे तन की
बूंदों ने दी ऐसी अंगड़ाई
कूद पड़ा मेरा तन मन
लगता है मैं हूँ एक दामन ॥
यह संसार है कितना सुंदर
लेकिन लोग नहीं करते इसका पोषण
यही है एक निवेदन सबसे
न करो प्रकृति का शोषण ।

कुसुम

कला स्नातक तृतीय वर्ष



याद है मुझे वह पल

याद है मुझे वह पल जो मैंने स्कूल में बिताए
मन न होने पर भी स्कूल जाना

बस न आने पर भी पैदल ही स्कूल जाना

शिक्षक के डाँटने पर सिर झुकाकर दोस्तों
की तरफ देखकर हँसना

परीक्षा न आने पर दोस्तों की आस में रहना

सुबह प्रार्थना करते समय
आँख खोलकर देखना

शिक्षक के न आने पर कक्षा में शोर मचाना

मॉनिटर बन कर सभी को चुप कराना
बारिश या भूस्खलन होने पर छुट्टी की आस
लगाना

शिक्षक का समझ न आने पर भी सिर हिलाना

दोस्तों के साथ बैठकर खाना खाना

छुट्टी होने से पूर्व ही बैग पैक करना
सर्दियों की छुट्टियों का बेसब्री से इंतज़ार करना

याद है मुझे वह पल जो मैंने स्कूल में बिताए ।

मेघा

कला स्नातक प्रथम वर्ष

एक लड़की

उसके लबों पर है खामोशी
सहमी सी वो रहती है
अब तुम्हें क्या पता
एक लड़की कैसी होती है?
कहने की आजादी है उसे
पर कहीं भी पूछ कर जाना है,
अगर गलती किसी और की हो तो
बस लड़की ने किया ये ही बताना है।

जो अपना ना बने
मन से
उसे भी अपना
कहना पड़ता है,
जिन्दगी चलाने
के लिए.
साथ भी रहना
पड़ता है।



माना घर की इज्जत है बेटी
माना देश का गौरव है बेटी
हाँ, माता का अवतार है बेटी'
और इस संसार का सार है बेटी ।

क्या नहीं है उसे जीने का अधिकार?
क्या नहीं है वो माँ लक्ष्मी का अवतार?
तो क्यों करते हैं हम माता की पूजा हर त्योहार?
जब नहीं पता है हमें नारी के अधिकार !!

दीपाली शर्मा

कला स्नातक प्रथम वर्ष

खुद पे ऐतबार

सपनों से तेरा रिश्ता है, ये जान ले
कामयाबी की राह पर अब ठान ले
अंधेरी की ये रात तुझे डराएगी,
ठोकर पे ठोकर हर कदम आजमाएगी।
पर तू रुकना नहीं, तू थकना नहीं,
हर मुश्किल को रास्ते से हटाना है यहीं।
खुद पे ऐतबार कर, खुद को सवार कर,
दुनिया की बातों को, बस दरकिनार कर।
तेरे अंदर वो आग है, जो कोई बुझा ना सके,
तू है वो
सितारा,
जिसे कोई
गिरा ना
सके।
मेहनत की
स्याही से
अपना नाम लिख,
हर रुकावट को हौसले के साथ कुचल।
फर्क नहीं पड़ता, कोई क्या कहता है,
तेरी मंजिल का नक्शा तेरे बस में रहता है।
छोटा सपना देखना कोई गुनाह नहीं,
बस इरादों को कभी कमजोर करना मत।
रगों में बहता खून तेरा

तुझसे कहे,
"हार से डर के तुझे कौन रोके?"
तू बस आगे बढ़, हर डर को मात दे,
आत्मविश्वास की राह कभी ना छोड़ रे।
बनेगा तू वो सितारा, जो रातों में भी चमकेगा,
तेरे हर कदम पे, फख्र से ये ज़माना झुकेगा।

अंजलि

कला स्नातक द्वितीय वर्ष



इंटरनेट सुरक्षा के टिप्स

आज के समय में इंटरनेट छात्रों के लिए सीखने, समझने और जुड़ने का एक महत्वपूर्ण साधन बन गया है। लेकिन इसके साथ-साथ साइबर अपराधों का भी खतरा बढ़ रहा है। छात्रों के लिए जरूरी है कि वे इंटरनेट का सुरक्षित उपयोग करें। यहाँ कुछ आसान टिप्स दिए गए हैं जो छात्रों को साइबर सुरक्षा में मदद कर सकते हैं:

1. मजबूत पासवर्ड बनाएं

हमेशा ऐसे पासवर्ड का उपयोग करें जो कठिन हो और जिनका अनुमान लगाना मुश्किल हो। पासवर्ड में अक्षर, संख्याएँ और विशेष चिह्न शामिल करें। हर अकाउंट के लिए अलग पासवर्ड रखना भी फायदेमंद होता है।

2. दो-चरणीय प्रमाणीकरण (Two-Factor Authentication) का उपयोग करें

यह एक अतिरिक्त सुरक्षा परत है। इसके तहत पासवर्ड के अलावा एक और कोड की आवश्यकता होती है, जो आपके फोन पर भेजा जाता है। इससे आपका अकाउंट और अधिक सुरक्षित रहता है।

3. फिशिंग ईमेल और लिंक से बचें

अनजान ईमेल्स या मैसेजेस आए तो लिंक पर कभी भी क्लिक न करें। फिशिंग स्कैम में आपको धोखे से लिंक पर क्लिक करवाकर आपकी निजी जानकारी चुराई जा सकती है। हमेशा सोच-समझकर ही लिंक पर क्लिक करें।

4. सार्वजनिक Wi-Fi का सुरक्षित उपयोग करें

सार्वजनिक वाई-फाई नेटवर्क का इस्तेमाल करते समय ध्यान रखें कि ये अक्सर असुरक्षित होते हैं। कभी भी संवेदनशील जानकारी (जैसे बैंकिंग

डिटेल्स) साझा न करें। अगर संभव हो, तो वर्चुअल प्राइवेट नेटवर्क (VPN) का उपयोग करें।

5. सिस्टम और सॉफ्टवेयर अपडेट रखें

अपने डिवाइस और ऐप्स को नियमित रूप से अपडेट करें। इससे आपके डिवाइस में नई सुरक्षा सुविधाएँ जुड़ती हैं और साइबर खतरों से बचाव होता है।

6. सोशल मीडिया पर सावधानी बरतें

सोशल मीडिया पर अपनी निजी जानकारी जैसे फोन नंबर, पता, या व्यक्तिगत तस्वीरें सार्वजनिक न करें। अपनी गोपनीयता सेटिंग्स को सही तरीके से सेट करें ताकि आपकी जानकारी अनजान लोगों से सुरक्षित रहे।

निष्कर्ष

इन सरल उपायों का पालन करके छात्र इंटरनेट का सुरक्षित रूप से उपयोग कर सकते हैं। हमेशा सतर्क रहें और अपने डेटा की सुरक्षा को प्राथमिकता दें।

**अंजलि
कला स्नातक द्वितीय वर्ष**

मानव जीवन पर संगीत का प्रभाव

संगीत का हमारे जीवन में बहुत महत्व है। संगीत एक ऐसा विषय है जिसका प्रत्येक विषय से गहरा संबंध है। संगीत प्रकृति के कण-कण में विद्यमान है। संगीत का मनुष्य जीवन पर गहरा प्रभाव पड़ता है। संगीत मनुष्य के प्रत्येक क्षेत्र के विकास में

अपनी महत्वपूर्ण भूमिका अदा करता है। संगीत हमारी बुद्धि का विकास करता है। संगीत व्यक्ति को प्रत्येक परिस्थितियों में



संतुलित रखता है और हमारे ध्यान को एकाग्रित करता है। संगीत एक ऐसी कला है जिसमें बौद्धिक आकलन करने की क्षमता है। कलाकार संगीत की गहराई तक बौद्धिक स्तर पर ही जाता है। संगीत मनुष्य के आध्यात्मिक विकास में भी अपनी महत्वपूर्ण भूमिका निभाता है। आत्मा की शुद्धि, आत्मदर्शन, आत्मानुभूति का आभास, साधना, चिंतन, मनन और मोक्ष भी अध्यात्म का क्षेत्र है। यह सब संगीत द्वारा ही प्राप्त किया जा सकता है। संगीत में वह आध्यात्मिक शक्ति है जो आत्मा की उन्नति के लिए साधन बनती है। संगीत मनुष्य के मानसिक विकास में सहायक है। बाह्य संवेदना को मन तक पहुँचाने का काम शरीर करता है। इस अर्थ में मन व शरीर दोनों पर प्रभाव पड़ता है। परंतु मन, संगीत की ओर जल्दी आकर्षित हो

जाता है क्योंकि संगीत में आनंद देने की शक्ति विद्यमान है। संगीत मन का स्पर्श जल्दी कर लेता है। इस तरह संगीत मन के भावों की अभिव्यक्ति करने में सहायक है। मनोविज्ञान और संगीत का गहरा संबंध है। जब हम संगीत को मनोविज्ञान का सहायक या समकक्ष मानकर अध्ययन करते हैं तब संगीत के दृष्टिकोण से समझते हुए अध्ययन करते हैं। व्यक्ति समाज की सबसे छोटी परंतु महत्वपूर्ण इकाई है। व्यक्ति समाज के हित में व्यक्तिगत जीवन को संगठित कर सकता है। संगीत प्रत्येक स्थिति में व्यक्ति को प्रसन्न रखने और प्रणय प्रदान करने वाला एक महत्वपूर्ण आधार है। संगीत व्यक्ति को निराशा और आत्महीनता आदि दोषों से मुक्ति दिलाने में अपनी महत्वपूर्ण भूमिका निभाता है। प्राचीन काल से विभिन्नताओं को मिलाकर समाज में एकता बनाए रखने के लिए संगीत को एक माध्यम के रूप में प्रस्तुत किया जाता रहा है।

भारती
कला स्नातक तृतीय वर्ष

निराशा को गले न लगाएं

यदि प्रयास करने पर भी हम सफल नहीं हो पाते तो हम दूसरों को दोष क्यों देते हैं? अक्सर हम कहते हैं कि सब कुछ इसकी वजह से हुआ है। हो सकता है कमी कहीं हममें ही हो। हमसे कोई गलती हो गई हो तो निराश होकर कभी न बैठें, बल्कि आत्म-मूल्यांकन करके कमी और उस गलती को सुधारने का प्रयास करें। क्योंकि यही कमी और गलती हमारी मेहनत, लगन या उस काम को करने की इच्छा शक्ति में भी हो सकती है। किसी भी कार्य को करते समय चाहे वह व्यापार, नौकरी या शिक्षा संबंधी कोई भी हो, हमारा निर्णय एकदम स्पष्ट होना चाहिए। हम जब तक किसी निर्णय को लेकर स्पष्ट नहीं होंगे तब तक हमारा मन विचलित रहेगा और हम कोई भी काम पूर्ण एकाग्रता से नहीं कर पाएंगे। जब हमारा मन उसी कार्य के प्रति एकाग्र नहीं होगा तो उसमें सफलता भी नहीं मिल पाएगी और निराशा ही हमारे हाथ लगेगी और हमारा मन विचलित होगा, जिससे हमारे जीवन पर नकारात्मक प्रभाव पड़ेगा। इसलिए हमें निराशा को कभी भी गले नहीं लगाना चाहिए।

कार्तिक कुमार
कला स्नातक तृतीय वर्ष

जैव विविधता पर जलवायु परिवर्तन का प्रभाव

जैव विविधता के अन्तर्गत किसी क्षेत्र विशेष में पायी जाने वाली समस्त वनस्पतियाँ, जन्तु एवं जीव आते हैं। ये सभी घटक धरातल के जैविक संसाधन हैं, जिन की पर्यावरण संतुलन में महत्वपूर्ण भूमिका होती है। ये पृथ्वी पर जीवन का आधार हैं। आज जैव विविधता के सिमटते दायरे का कारण जलवायु परिवर्तन है। तो प्रश्न यह उठता है कि जलवायु का क्या है ? किसी स्थान की लम्बी अवधि के मौसम की दशाओं की औसत अवस्था जलवायु कहलाती है। इसलिए जलवायु परिवर्तन से अभिप्राय है मौसम में परिवर्तन हो जाना । मौसम में परिवर्तन का एक कारण वनों का हास होना भी है। वनों के हास से वायुमंडल का गर्म होना भूमि कटाव और समय पर वर्षा न होने जैसी समस्याएं तो पैदा हो ही रही हैं, साथ ही वनों में रहने वाली जैव-विविधता भी कम हो रही है। जब हवा में बारूद की गंध और रेडियो धर्मी प्रदूषण व्याप्त हो तो जैव विविधता पर नकारात्मक प्रभाव के पड़ने से उनका घटना निश्चित ही है। पृथ्वी की रक्षा करने वाला आवरण आज विषैली गैसों और दूषित पदार्थों से भर चुका

है । 'विषैली गैसों और दूषित पदार्थ जब वर्षा के रूप में धरती पर अम्लीय वर्षा के रूप में वापिस आते हैं, जो समस्त जैव विविधता के लिए घातक है। यही कारण है कि आज अनेक प्रजातियाँ खत्म हो रही हैं । उनकी अंतिम उड़ानें दिखाई दे रही हैं । झुंडों में आने वाले साइबेरियाई सारस तथा बरसात के मौसम में आने वाले दल के दल रंग-बिरंगे कीट - पतंगों के छीजने, प्रदूषण के कारण घोंसलों में ही पक्षियों की बुझ रही जीवन जोत इसके स्पष्ट उदाहरण हैं। जैव विविधता के लुप्त होने में मनुष्य के क्रियाकलापों की बड़ी भूमिका है। आज जिस तीव्रता से जैव विविधता का विनाश रहा है, उसे देखते हुए कहा जा सकता है कि आगामी वर्षों में अनेक प्रजातियाँ हमेशा के लिए लुप्त हो जाएगी।

ऋषिका अत्री
कला स्नातक तृतीय वर्ष

भरतनाट्यम

भरतनाट्यम भारत के प्रमुख शास्त्रीय नृत्य में से एक है जो दक्षिण भारत में बेहद ही प्रसिद्ध है। दक्षिण भारत के तमिलनाडु राज्य में इस नृत्य को बेहद ही पसंद किया जाता है। शादी, पूजा पाठ आदि खास मौके पर भरतनाट्यम को बेहद पसंद किया जाता है। यह शास्त्रीय नृत्य नर्तकी के श्रृंगार, और इशारों के लिए भी जाना जाता है। कहा जाता है कि यह नृत्य भारत के सबसे प्राचीन नृत्यों में से एक है। इसकी उत्पत्ति कब हुई इसका कोई प्रमाण नहीं है परंतु कई लोगों का मानना है कि यह हजार से दो हजार वर्ष प्राचीन नृत्य है।



पौराणिक कथाओं के अनुसार इस नृत्य को सामवेद से लिया गया है। हिन्दू पौराणिक कथाओं के अनुसार देवताओं ने ब्रह्मा से आग्रह किया कि एक ऐसे वेद का निर्माण किया जाए जिसमें यह उल्लेख हो कि यह नृत्य देवताओं के लिए होगा और जब भी देवताओं को संगीत एवं नृत्य का आनंद उठाना हो तो भरतनाट्यम ही देखा करेंगे। स्वर्ग में अप्सराओं के समूह के साथ मिलकर सभी देवता भरतनाट्यम ही करते थे। धीरे - धीरे इस नृत्य का प्रसार मंदिरों में भी होने लगा और जब भी किसी देवता को प्रसन्न करना होता था तो इसी नृत्य का सहारा लिया जाता था। इस नृत्य में महिलाएं विशेष रूप से तैयार होकर नृत्य को प्रस्तुत करती हैं। भरतनाट्यम एकहार्य के रूप में वर्णित है, जिसमें एक नर्तकी अनेक भूमिकाओं को प्रदर्शित करती है। नृत्य के भगवान शिव को नटराज के रूप में सभी नृत्य शैलियों में प्रस्तुत किया जाता है।

नियति

कला स्नातक द्वितीय वर्ष

**हिमाचल प्रदेश में संगीत के क्षेत्र में
'ए ग्रेड' हासिल करने वाली पहली
महिला: डॉ. सविता सहगल**

डॉ. सविता सहगल का जन्म 2 मार्च 1975 में हुआ। इनके पिता का नाम डॉ. कृष्ण लाल सहगल तथा माता का नाम श्रीमती शारदा देवी है। इनका जन्म गाँव भुईरा तहसील राजगढ़ जिला सिरमौर हिमाचल प्रदेश में हुआ। इन्होंने माध्यमिक शिक्षा केंद्रीय विद्यालय जाखू शिमला तथा स्नातक की शिक्षा राजकीय कन्या महाविद्यालय शिमला से ग्रहण की। इन्होंने हिमाचल प्रदेश विश्व विद्यालय से संगीत (कंठ) में स्नातकोत्तर उपाधि स्वर्ण पदक के साथ प्राप्त की।

इन्होंने संगीत की प्रारंभिक शिक्षा अपने पिता डॉ॰ कृष्ण लाल सहगल से प्राप्त की। इन्होंने उनसे शास्त्रीय संगीत, सुगम संगीत, भजन, लोकगीत आदि सभी विधाओं में मार्गदर्शन लिया। पटियाला घराने की गायकी की शिक्षा प्रसिद्ध गायक पंडित सोम दत्त बट्ट जी से ली, जिन्हें 2024 में शास्त्रीय संगीत के लिए 'पद्मश्री' पुरस्कार से सम्मानित किया गया। इसके अतिरिक्त उपशास्त्रीय संगीत की तालीम विदुषी माला श्री प्रसाद से प्राप्त की जो विख्यात गायिका शोभा गोर्टू और सविता जी की शिष्या है।

डॉ. सविता सहगल वर्तमान समय में सह आचार्य संगीत (कंठ) के रूप में राजकीय महाविद्यालय कंडाघाट में कार्यरत है। पिछले 24 वर्षों से हिमाचल प्रदेश के विभिन्न महाविद्यालय में संगीत का अध्यापन कर रही है।

संगीत के क्षेत्र में इन की अनेक पुस्तकें प्रकाशित हुई हैं। हिमाचली लोक संगीत, शास्त्रीय संगीत, शिक्षा जैसे डिजिटल शिक्षा और संगीत शिक्षण पर लेख और शोध पत्र अनेक राष्ट्रीय पत्रिकाओं में प्रकाशित हुए हैं।

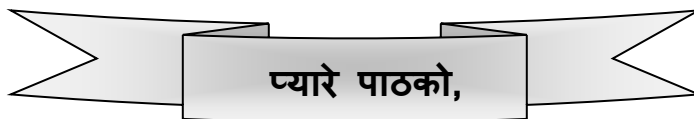
2007 में प्रसार भारती, दिल्ली से सुगम संगीत का 'बी ग्रेड' प्राप्त किया। 2009 में शास्त्रीय संगीत में 'बी ग्रेड' प्राप्त किया। 2023 और 2024 में शास्त्रीय संगीत और सुगम संगीत दोनों में 'ए ग्रेड' प्राप्त किया। डॉ॰ सविता सहगल हिमाचल प्रदेश की पहली महिला कलाकार हैं जिन्होंने शास्त्रीय और सुगम संगीत दोनों में 'ए ग्रेड' हासिल किया। 1995 से ऑल इंडिया रेडियो में प्रतिष्ठित कलाकार है।

संगीत के क्षेत्र में इन्होंने विशेष उपलब्धि हासिल की है। इन्होंने कई बड़े संगीत सम्मेलनों (धार्मिक, सांस्कृतिक और सामाजिक) में अपने शास्त्रीय, उप शास्त्रीय और सुगम संगीत कला का विभिन्न मंचों पर प्रदर्शन कर हिमाचल प्रदेश का नाम रोशन किया।

**भारती
कला स्नातक तृतीय वर्ष**



Dr. Radha Verma



माखे बहोत खुशी ओसो, जे हर सालो री तरह ऐस सालो भी हामो रे कालेजो री पत्रिका "उद्भव" छपी । एथे साथी आऊँ-आपणें गुरुजन प्राध्यापक संपादक डॉ. राधा वर्मा रा भी बड़ा शुक्रिया करू, जुणीए माखे ऐनी रा सम्पादन करने रा सौभाग्य दिता। एथे साथी तीना सभी छोटू-छोटियाँ रा भी शुक्रिया, जुणीए ऐनी खे सफल बणाऊणे में आपणा योगदान दिता । ऐनी पत्रिका रा सम्पादन पुरे कॉलेज परिवारो री तरफा दे हर साल किया जाओ । आज काला रे छोटू-छोटी आपणी पहाड़ी भाषा बोलने माए बड़ी शर्म करो । तो हामे सभी जणे ऐस पहाड़ी भाषा खे सफल बणाऊणे री खातरे ऐस पत्रिका में पहाड़ी रे कई विषय लिखी राखे । माखे पूरी आशा- ओसो जे सभी पाठक जनों खे पत्रिका रा ऐ अनुभाग पसंद आऊणा । अन्त में आऊँ आपणें महाविद्यालय रे प्राचार्य महोदय डॉ. मदन लाल मनकोटिया रा भी बड़ा धन्यवाद करूं, जिनो री प्रेरणा साथी ए काम पूरा ओया ।



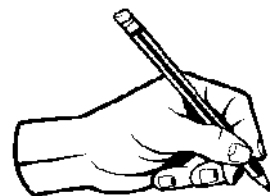
दीपिका

छात्र संपादक

दीपिका

छात्र संपादक

कला स्नातक तृतीय वर



देवी गीत

अंगना में नीमिआ लगाई लेवई,
गंगाजल पटाई देवई दूध के पटाई लेवई,
मईआ हे डार-पात ओलरल गद्दिया
त देखते सोहावन लागे है।

गाई के गोबरा मंगाई लेबई अंगना
नियाई लेबई हे चउका पूराई लेबाई हे
मईआ है चौमुख दीऊरा जड़ाई लेव
मईआ के बोलाई लेव है.....|||

गोर तोरा लामीले बाघ मइया सुनहु,
अरज मोरा - मानहू बिनती मोरा हे,
मईआ हो सातो रे बहिनियाँ के,
बोलाए देहू संगे मैरों पहरुआ नू हो,
आगे-आगे आवेली जोगनियाँ त तेकरा
पाछू आबेली भवानी त सातो रे बहिनियाँ,
अंगना बइठायब जोगीनियों त अँचरा पर,
भैरों पहरुआ हो मईआ नीमिया पर,
झुलेली भवानी त सातो रे बहिनियाँ|||

नितिका शर्मा

कला स्नातक प्रथम वर्ष

मेहंदी गीत

तू तां लगी वो तड़ाके नाल, मेहंदी रोगलिये
तू तां लगी वो तड़ाके नाल, मेहंदी रोगलिये
तू तां, लगी वो तड़के नाल,
मेहंदी रोगलिये

छम छम करदी तू
तां धूम धराके पोंदी,
छम छम करदी
तूतां धूम धराके
पोंदी,



पेरी बजी वो ||

पेरी बजी वो तू छनाके नाल, मेहंदी रोगलिये,
तू तां लगी वो तड़के नाल मेहंदी रोगलिये,

भावना

कला स्नातक द्वितीय वर्ष

ब्याह गीत

मेरिए नरेशा देइए
रई जा तू मांइगे
हाथ लेइदा छतटी या
ओ बापू माथे बल पादां
मा कियाँ रईणा
ओ अम्मा मेरिए
मेरिए नरेशा दैइए

मेरिए नरेशा देई
रई जा तू मांइगे
हाथ लेइदा छाटीया
ओ चाचू माथे बल पांदा
मा कियाँ रईणा
ओ अम्मा मेरिए
मेरिए नरेशा दैइए

मेरिए नरेशा देइए
रई जा तू मांइगे
हाथ लेइदा छतटी या
ओ ताऊ माथे बल पादां
मा कियाँ रईणा
ओ अम्मा मेरिए
मेरिए नरेशा दैइए

प्रोमिला

कला स्नातक द्वितीय वर्ष

पहाड़ी कावतें

1. जुणीए की शर्म, तेसरे फाटै करम ।
2. आटे साथी कुण बि पिशुओं।
3. नजाण बिद्या प्राण खाओ।
4. शाडे मुई शाशु, शावणे आए आशु ।
5. बांदरों खे बेर पताशा ।

वैशाली शर्मा

कला स्नातक तृतीय वर्ष

पहाड़ी कावतें

काठो दी हांडी बार - बार नई चढ़दी।

चार नी पट पाणी, ते कब कडी बरसाणी ।

आपणी पोटली आपणा मोल।

मांझें दा बैल तां मांझे नू ही लंबे।

छोटे घरां दे बडे चूल्हे ।

विशाल ठाकुर

कला स्नातक दुतीय वर्ष

जीवणो रे मन्त्र

1. जीवनो मांए तीन चीजों एकी बारे मिलौ,
आमा, बापू
जवानी।
2. से तीन चीज कसी खे नी निहालदी
बख्त, बदलाव र
मौत।
3. से तीन चीज सारी बेरी खें दिलो माए होणी
चेई - दया,
क्षमा, भलाई,
4. इन तीन चीजो खे कोई चोरी नी सकदा-
भाग्य, बुद्धि र
शिक्षा ।
5. से तीन चीजो आदमी खे दफनाई देओ
- आलस,
कामचोरी र बुरी लत।
6. से तीन चीजो आदमी री सबी दो बड़ी शत्रु
ओसो-
अहंकार, जलन
र रोश ।

कार्तिक कुमार

कला स्नातक तृतीय वर्ष



पहाड़ी बुझाइणी

1. इसी का चीज जो आगू बढ़ो, पर
पिछ नी हटदी
समै
2. इसी का चीज जो हर वखते हाम्रो
साथी रो, पर न से बुझदी न ?
छाइ
3. इसी का चीज, जो हमेशा बदलो, पर
हमो रे साबे नी ।
जिन्दगी।
4. इसी का चीज, जो सदा बारी चलो,
पर रुकदी कदे न
नदी
5. इसी का चीज, जो ऊबी ही उठो, पर
हूँदी नी आऊंदी ?
धुंआ



सुनंदा शर्मा

कला स्नातक तृतीय वर्ष

पहाड़ी रा नजारा

पहाड़ी रा नजारा नोखा,
पहाड़ी रा जीना नोखा।
उंचे टिबे दे देव देवी बसदे, तीनो रे खोजे सबीरे
काम बड़े।
पहाड़ी रा हिंवा सबी के लुबांउदा

पानी री कमी ए ओण नी देदा।

जेबे करो बात पनावे री,

तो धाठु, सदरी सबी दी सजदी।

पहाड़ी रा नजारा नोखा,

पहाड़ी रा जीवणा शोवटा ।

प्रिया

कला स्नातक अनुक्रमांक. द्वितीय वर्ष

घरो - घरो री बात

घरो- घरो री

बात बुजुर्ग बोला करो थे

छोटा-छोटू रा न करे तू तबार

एक न एक धेडे

सब हो जाओ ए फरार

कलास रा नी होउदा, ए कोई साथ

एके - दुजे के हो आओका देख री

सब छड़ जाओ साथ।

घरो-घरो री बात

अब रे जमाने दे

कुण मनो बुजुर्गा री बात

मोए बी करा छोटा रा साथ

से होई एकी छोटी साए फरार

मोए तो करा था तेस पाई तबार

पर से तो होई फरार

तब बोली बे बुजुर्गो री मानियों बात

भला सोचो से हर-बार ।

मन्नत

कला स्नातक प्रथम वर्ष

बुजुर्गो री शान

म्हारे बुजुर्ग री शान,

टाब्लर रो समाजों रा माण।

समुद्रो री गहराई रो आसमानों री ऊंचाई,

बुजुर्ग रे आशीर्वादो दे

समाई।

इनो रा प्यार ओ, ठंडी हवा

समान।

कोई नी भूल सकदा,

बुजुर्गो रा एहसान ।

हजार तंगियाँ सहि कर बी

जिने म्हारा जीवन स्वर्ग बनाया।

पढ़ाया - लिखाया रो नौकरी लगाया,

आपी भूखे रई से टाब्लरा के खवाया।

दादा-दादी, अम्मा-बापू शान-ए-महारी,

इना री बदौलत जिंदगी स्वर्ग असो म्हारी।

जिने करी बुजुर्गो री सेवा

तिने पाया सुख-समृद्धी रा मेवा,

से बात असो सच्ची, म्हारे बुजुर्ग

हो टाब्लर रो समाजों रा माण।



प्रिया

कला स्नातक द्वितीय वर्ष

जीवन दायण डाल

बड़े डाल या छोटे, डाल हर उमरा रे ओसो ये डाल

ना देखो जाति ना देखो धर्म ये डाल
बिना स्वार्थी रे हरा-भरा ओसो है डाल

ना पूछोते जाति ना पूछो धर्म ये डाल
ओसो सभी रे आपणें ये डाल

ये बांडौ बहुत कीमती हवा
होर बचाओ ऐस धरती उष्मीकरण दे

सच्चे दोस्त एनी धरती रे

बड़े डाल या छोटे डाल
हर उमरा रे ओसो ये डाल !!

ज्योति

कला स्नातक द्वितीय वर्ष

मारे गाओंरा त्योआर

इशे तो मारे गाँव माए कई त्योहार मनाए जाओ
। पर जो त्योआर माखे सबदे अच्छा लगो वो असो
दिवाली। मारे गाँव माए दिवाली बड़ी धूम धामों
साईं मनाई जाओ । दिवाली दो दिनों री ओ । एक
छोटी दीवाली और एक बड़ी दिवाली । एस दिन
के एक छोटी छोटे-छोटे छोटू और छोटियां पूरे
दिनी पटाखे मचाओ । और खूब मस्ती करो ।
दिवाली से दिनो मारे घरों माए नोए - नोए पकवान
बनाए जाओ। जिशे मालपूड़े, हलवा, पटांडे, असकडू
। एथो पहले सभी लोग आपणे - आपणे घरों री
साफ - सफाई करने लगी जाओ और सभी आपणे

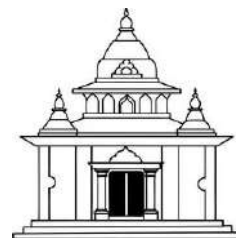
घरों रंग भी करवाओ । कहा जाओ कि ऐसी दिनो
भगवान राम रावणों रा वध करी रो अयोध्या वापस
आए थे। राती माता लक्ष्मी री पूजा भी की जाओ।
सभी मिली - जुली से खुशी मनाओ। सभी एकी-
दूजे रे घर जाइरो मिठाई बांडों । राती सबी झणें
इकट्ठे होई रो दिवाली मनाओ । सबी पटाके,
फूलझड़ी आदि चलाओ । एथो बाद मारे दवाल्ठा
(आग) जलाया जाओ जिंदी हमें पूजा करो और
तेदी बाद जब आग खतम होई जाओ तो सबी
सात बारी लंगो। एनी सबी दो बाद सबी रोटी खाओ
। ए त्योआर माखे सबदो अच्छा लगो। ए त्योआर
हर साल आओ।

मेघा कश्यप

कला स्नातक प्रथम वर्ष

हिठरी माता मंदिर

हिरठी माता रा मंदिर हजार साल पुराना ओसो।
ऐनी मंदिरों रे बनने री कहानी बहुत अनोखी असो
। पुर्वजों रा कहणा ओसो कि पहले ऐती एक पाथर
हुआ करदा था । जैनी खे पूजा जाओ था जब
अनोखी जोसो । हमारे लगभग देनी पैले ऐती पूजा
जाओ था। बाद ऐती सभिए बैठक बठाई। बैठका
माए ऐ फैसला हुआ कि ऐनी पाथरा
के कनारे एक मंदिर बनाऊना ।
सभिए ऐनी पाए रजामंदी दी। जबे
रेती काम चलने लगा तो ऐनी
पथरा दे माता निकली और माते बोला कि माखे



ना छेड़्यो नाही बादा दे ना बोल्यो कि अबे का हुआ। ऐनी सबी ठेओ देखे रो एस पथरा के तिथे ही रोण दिया और तेनी रे - चारो कनारे एक मंदिर बनाया । होर तेनी पाथर रूपी माता खे एक रूप दिया । रो तेती हिरठी माता मंदिर बना । हमारी ऐ कुलदेवी ओसो, जेनी पाए हमारी खूब आसता ओसो।

दीपाली शर्मा
कला स्नातक प्रथम वर्ष

सिरमौर रत्न डॉ. कृष्ण लाल सहगल

डॉ. कृष्ण लाल सहगल म्हारे सिरमौर जिले रे महान संगीतकार और कलाकार ओसो । माखे ऐ बोलदे बहोत खुशी ओण लगी री जे आपणें सिरमौर जिले दे ऐ महान कलाकार ओये । इना रा जन्म 9 जनवरी 1949 खे स्व श्री गंगाराम और स्व श्री मती राम देवी रे घरे गाँव और डाकघर तहसील राजगढ़, जिला सिरमौर में ओवा ।

इने हिमाचल प्रदेश विश्वविद्यालय दे बी. ए. हिंदी और एम. ए. एम. फिल, पी. एच. डी. । संगीत विषय दी की । इने प्राचीन कला केंद्र



चंडीगढ़ा दे गाणे और तबला बजाने में भी संगीत प्रवीण रोए । एथो बाद केन्द्रीय विद्यालय संगठनो में संगीत अध्यापक और हिमाचल प्रदेश उच्च शिक्षा विभागो माए 2008 बीचे एसोसिएट प्रोफेसर सेवा निवृत्त हुए । इने कई जगहों पाँदे आपणे सांस्कृतिक कार्यक्रम किए। पहाड़ी कलाकार संघ हाबबन सिरमौर बीचे राज्य स्तरीय सांस्कृतिक कार्यक्रम करवाया । तेनी बीचे इना रा बड़ा योगदान रहा, इने आकाशवाणी शिमला दे 1971 बीचे लोकसंगीत, 1976 बीचे स्वर परीक्षा उत्तीर्ण की 1986 बीचे दिल्ली दे जो गजल गायन करवाया गोआ तेनी बीचे बी इने उच्च श्रेणी पाई। एथो साथी 1981 दे 1986 तक दूरदर्शन केंद्र जलन्धारो दे लोकगीत गजल गायन और आकाशवाणी शिमले दे राज्य और अंतर्राज्यी संगीत कार्यक्रमों बीचे आपनी प्रस्तुति दी।

1983 में राष्ट्रीय शिक्षण अनुसंधान प्रशिक्षण स्रोत दिल्ली माए राष्ट्रीय समूहगानों माए इने खूब सारी पत्रिका लिखी जेनी बीचे सोमसी' ओसो । ऐथी सूचना और जनसंपर्क विभागों द्वारा 'हिम प्रस्थ' माए लेख प्रकाशित ओये । संगीत मासिक बीचे भी इना रे लेख प्रकाशित ओये । २०२२ बीचे इना री किताब 'गीत

मेरी माटी रे' छापी । ऐथे साथी इनो री कई वीडियो एलबमो भी आई । 1988, माए भाषा-कला संस्कृति विभागो द्वारा जो 'रेणुकाजी - 1988' ऑडियो बणी तेनी माए इने गाया। 1992 माए म्यूजिक इंडिया द्वारा दिल्ली स्टूडियो द्वारा रेडियो कैसेटे हिमाचल लोकगीतो में भी इनो रे गाणे ओसो । 1996 माए मेरी आवाज, लोक माधुरी, लोकरंजनी, स्वरांजली नाटी रा फेरा, मेरी जानी रा बसेरा जिशी कैसटो बणी । 2002 माए हिमाचलो रे शक्तिपीठों से संबंधित 'माँ की महिमा' और 'कोके दे लशकारे एलबमों माए दो हिमाचली लोकगीतों खे शीख दी ती। 2008 बीचे "हिमाचली लोक गायक डॉ. कृष्णलाल सहगल का "व्यक्तित्व एवं कृतित्व" शोध ग्रंथों दा प्रकाशन औया । आज इनोरे शिष्य विद्यालय, आकाशवाणी और दूरदर्शनों बीचे काम कर दे लगी रोए। 1996 माए स्वतंत्रता सेनानी संस्था रे हाथो इनोखे 'कर्म वीर सम्मान' मिला । 1998 माए 'आकाशवाणी पुरस्कार' भी मिला । 2001 बीचे सिरमौर कला संगम रे हाथो डॉ. परमार पुरस्कार मिला । 2003 बीचे चुडेश्वर सम्मान मिला । इथे बाद 2005 बीचे साहित्य संस्कृति और जन कल्याण परिषद सिरमौरो दे हिमोत्कर्ष सम्मान मिला । 2006

आकाशवाणी शिमले दे सम्मान पत्र मिला। वर्ष 2009 माए कला संस्कृति एव साहित्य संस्था शिमला द्वारा साहित्य संचेतना सम्मान पत्र मिला । वर्ष 2013 माए आकाशवाणी शिमले दे उत्कृष्ट गायनो खे आकाशवाणी सम्मान मिला । वर्ष 2017 माए दिल्ली दी फिल्म कम्पनी दे लाइफ टाइम अचीवमेंट अवार्ड मिला। वर्ष 2019 उदय फोरम सोलनी दे सम्मान पत्र मिला। वर्ष 2019 माए हिमाचल भाषा कला संस्कृत अकादमी रे सोजन्य दे सरस्वती साहित्य एवं सोलनी द्वारा संगीत शिरोमणी सम्मान मिला। वर्ष 2023 माए प्रसार भारती महानिदेशालय दिल्ली द्वारा हिमाचली लोक संगीत माए टॉप ग्रेड और पंडित री उपाधि मिली। वर्ष 2023 माए चुडेश्वर संस्था द्वारा चुडेश्वर सम्मान मिला । 23 नवंबर 2024 खे सिरमौर रत्न साथी इनोखे अलंकृत किया गोआ । वर्ष 2024 बीचे राष्ट्रपति रे हाथो संगीत नाटक एकादमी पुरस्कार मिला ।

दीपिका

कला स्नातक तृतीय वर्ष

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