

Shri Rahulji Bajaj

'Integrity and character matter. Without them, no amount of ability can get you anywhere. In addition, you need to courage—courage to make difficult decisions and courage to oppose something if your conscience tells you that you are right'—Shri Rahulji Bajaj

"Rahul Bajaj: An extraordinary Life" is an exceptional biography of Shri Rahulji Bajaj Ms Gita Piramal. In the 'Foreword' section Shri Rakesh Mohan observes that Shri Rakesh Mohan observes that Shri Rahulji Bajaj evolved from being an indifferent college student becoming one of the tallest Indian business leaders. His exceptional upbringing...imbued with Gandhian ethics of truth, austerity, honesty, kindness and respect for others along with overall sense of duty, which he has endeavored to transmit to his children." (pp xii to xiv) Shri Rahulji Bajaj, a billionaire business leader, the chairman emeritus of Bajaj Group and former Member of Parliament was basically a good human being first. He was an ethical businessman, a proud son, a humble father and ultimately a true patriarch in real sense, observes Ms Piramal. This book is not just the story of Shri Rahulji Bajaj but the story of India. The author takes us through the country's transformation from the time Shri Rahulji's mother was imprisoned during the freedom struggle to the roller coaster of his eventual life. Based on unrestricted interviews, the book is full of anecdotes, business learnings and political asides. It is, at its core, a moving human story. By going through its pages one gets involved and engrossed in realizing the depth of Shri Rahulji's persona. One remembers an oft quoted Shakespearian lines:

What piece of work is a man, how noble in reason,
how infinite in faculties, in form of moving,
how express and admirable in action, how like an angel in apprehension,
how like a god! (a monologue by Prince Hamlet in William Shakespeare's play Hamlet)

Shri Rahulji Bajaj always spoke truth. The glimpses of his straight-forward nature and independent approach are apparently visible during many of his life situations. He became MP as an independent candidate rather than joining any political party. "Through his sagacious leadership...he built Bajaj Auto brick by brick into a two-wheeler leader that it became". He promoted India globally, particularly through his participation and leadership of the World Economic Forum (WEF) in Davos, and promotion of the annual economic summits. He is considered as the Mover and Shaker of Confederation of Indian Industry. Undoubtedly, no man is without few limitations. He had his own limitations like he may have been slow in seeing transformations, and had insufficient interest in technology but he always listened to the present generation, observes Ms Piramal. But no one can deny he made Bajaj Auto a powerhouse and extended Bajaj business Empire neglecting even his own family life earlier. He not only did build one of the world's most valuable two-wheeler companies, he followed it up by laying the foundation of financial sector powerhouse. His life story no doubt would inspire millions to come.

Shri Bajaj was a charismatic and fascinating person. His life was multi-dimensional. At the foremost, his leadership was not only based on the lessons he learnt from business schools but it was a

"visionary", "decisive", "action-oriented", "execution driven" and strategic too. He was an excellent team builder. "His connection, his ability to speak out, to defend his beliefs made his distinctive.. he exemplified true hallmark of leadership." Besides, he established an inseparable relationship between business, government, and society. For six decades he symbolized the evolution of his relationship in India. Moreover, he has peculiar sense of "sustainability and value of leaving a lasting legacy. His life is testimony to a life of perseverance and purpose towards value creation with a horizon that spans multiple generations".

Born on 10 June 1938, Shri Rahulji Bajaj was a proud son of truly patriotic mother, 'Savitri' and father 'Kamalnayan' from Wardha who was imprisoned during India's freedom struggle. Shri Rahulji Bajaj was deeply influenced by his mother who installed a sense of independence in him. He was brought up on many places- Wardha, Mathura, and Mumbai. His early education was carried out in 'Cathedral Boys' school, Mumbai. He was an intelligent but naughty as a kid and was both fond studies like reading and games like cricket. "As a young boy he was superman, smashing glass planes with his mighty hits of cricket ball." Veteran Tata business tycoon Ratan Tata was in his class for one year in the school. Adi Godrej, Godrej icon was his junior. Zulfikar Ali Bhutto and Yusuf Khwaja Hamied, (Founder of CIPLA) were his contemporaries. He was "a school prefect in Std X, house captain in Std XI, school captain in Table Tennis, Captain of boxing team." He also enjoyed debating. He always followed the advice of his father, "Do what you want to do but once you decide what to do, try to be the best in the world that..."

We are extremely privileged that Shri Rahulji Bajaj was the head of our institutions from 1995. Though he spent only 3 days a year at Wardha, he took a keen interest in Shiksha Mandal's college. It is because of his support, more moral than financial, that our college and other college of Shiksha Mandal saw so much development in the last decade.

While paying tribute to Shri Rahulji Bajaj, Principal of the college, Dr. Om Mahodaya nostalgically says, "the memories flooded me..." remembers the when shri Bajaj called him personally. The occasion was when Jankidevi Bajaj College of Science, Wardha (Presently known as Bajaj College of Science) had been elevated and uplifted from NAAC's "B" grade to the "A" grade. Mr. Bajaj appreciated him saying that the feat was achieved due to the able and dynamic leadership of the Principal of the college. But the Principal, Dr. Mahodaya modestly and humbly admitted that the success was the result of the contributions made by all the staff members in a team. Mr. Bajaj grinned and said, "The team wins match only because of the decisions of the captain, every ship is sailed successfully to the lighthouse because of its sailor" Mr. Bajaj also appreciated Dr. Om Mahodaya when he did receive RTMNU Best Principal award. On many occasion during his Wardha visits, Mr. Bajaj congratulated Principal Mahodaya for his incessant efforts. He lauded his sense of dedication towards the upliftment of the college to the Autonomous Institution. Mr. Bajaj did not forget to solace and support Dr. Mahodaya during his grief stricken days when the mother and spouse of Dr. Om breathed their last and passed away for the heavenly abode. Mr. Bajaj was a man with a sense of duty, concluded.

lastly "Mr. Bajaj slowly eased himself out of active management and listened more and more to the next generation as they persuaded him to diversify the Bajaj group toward the financial sector in both insurance and non-bank financing each emerging as private sector leaders in their respective segments. With the ethical upbringing of the whole Bajaj family, imbued with the practice of hard work, Bajaj Group will continue to inspire others with the example set by their visionary leader." His life was such a well lived one.

FROM THE SOURCES :

- Shri Rahulji Bajaj was chairman of Bajaj Auto. He was born on June 10, 1938 in Kolkata. His grandfather Jamnalalji Bajaj founded the Bajaj Group in 1926 and his father Kamalnayanji Bajaj succeeded him in 1942. Kamalnayanji started the precursor to Bajaj Auto. Within three years he expanded into new business, including cement, electrical appliances and scooters.
- Shri Rahulji Bajaj graduated from St. Stephen's College in Delhi in 1958 and also earned a degree in law from Bombay University. Then he went to pursue MBA from Harvard Business School in the US and became CEO of Bajaj Auto in 1968.

HAMARA BAJAJ :

- Shri Rahulji Bajaj built the firm in the 1970s and '80s. He grew the company's revenues to join the Billion-dollar club.
- It was through his initiative that Chetak and Bajaj Super models rose to prominence in the India market.
- Originally based on Italian Vespa sprint, chetak was an affordable means of transportation for millions of Indians for decades and is remembered as 'Hamara Bajaj'.

BAJAJ :

- Bajaj sales hit a low point around 2001 after market liberalisation saw Japanese competitors like Honda, Yamaha, and Suzuki introduce new motorcycles and change the dynamics of India's market. But, it soon recovered from the loss with effective marketing and promotion. Bajaj Auto reinvented itself and came up with Bajaj Pulsar Motorcycle.
- In 2008, he split Bajaj Auto into three units-Bajaj Auto, finance company Bajaj Finserv and a holding company. His sons are now managing the day to day affairs of the company.
- Shri Rahulji Bajaj has been the president of the Confederation of Indian Industry (CII) and the Society of India Automobile Manufacturers (SIAM).
- In 2005, Shri Rahulji Bajaj stepped down from his role as chairman, his son Rajiv became the Group's managing director.
- Shri Bajaj got elected to the Upper House of Parliament in the 2006-2010 period.
- On November 30, at an awards event organised by the *Economic Times* in Mumbai, Shri Bajaj said that he was "born anti-establishment". He was regarded as plain-spoken and his friends used to call him 'fearless'.
- Under Smt. Indiraji Gandhi, the government regulated production under a system called the License Raj. Owing to the restrictions, buyers had to book and wait for years to receive scooter. However, Shri Rahulji protested against the License Raj.
- On November 30, he triggered a sharp debate on Twitter after he said that there is an atmosphere of fear in the country and people are afraid to criticise the government.
- The veteran industrialist's candid remarks were well received by the critics of the incumbent government.
- According to Forbes India's 100 Richest People in 2019 list, the Bajaj family's net worth stands at \$9.2 billion and it is the 11th richest family in India.

My Favorite Literary Figures

"Tha kali ke rup mai shaishav
 Mai aha, sukhe suman'
 Hasya karta tha, khilata
 Ank mai tuzko Pawan"
 "Khil Gaya jab pum tu,
 Manjul sukomal phul ban'
 Lubdh madhu hetu mandrane
 Lage, udhte bhrmar"

- SUKHE SUMAN
 MAHADEVI VARMA

Biography Introduction : "Mahadevi Verma" was born in a reputed Kayastha family of Farrukhabad, Uttar Pradesh in 1907. Father's name was Govind Prasad Verma. His mother Hemrani was a simple poet. The qualities of his mother and maternal grandfather had an effect on Mahadevi ji. At the young age of nine, she was married to Swaroop Narayan Verma. Their married life was not successful. She decorated the post of Division Principal of Mahila Vidyapeeth. This great writer, who was awarded the Padma Bhushan by the Government of India, passed away on 33 September 1987.

Literary Introduction: "Mahadevi Varma" is considered a great poet of the Chhayavadi era. Mysticism, pain, supernatural love etc. have been expressed in her poetry. She also edited the Chand magazine. She was awarded the Jnanpith Award for her work named 'Yama'.

Works: Nihar, Rashmi, Neerja, Sugrheet, Dinshakha, Yama etc. In addition to poetic compositions, films of the wall, lines of memory, episodes of etc.

Language style: The language of Mahadevi ji is Sanskritised Khari Boli. Her style is Muktak and Geeti style.

Place in literature: In view of her pain in her poetry, she has been called Meera of the modern era. The emergence of "Mahadevi Varma" in literature happened at a time when the shape of khadi boli was being refined. She introduced Braj bhasha softness to Hindi poetry. She gave us a repository of songs with a heartfelt acceptance to Indian philosophy. In this way, she did an important work in the three fields of language, literature and philosophy which later influenced an entire generation. She created a unique rhythm and simplicity in the composition and language of her songs, as well as natural use of symbols and images that draw a picture in the mind of the reader. Her contribution to the prosperity of Chhayavadi poetry is very important. While Jayshankar Prasad gave naturalization to the Chhayavadi poetry, Suryakant Tripathi Nirala embodied the liberation in it and Sumitranandan Pant brought the art of delicateness, but Varma embodied life to the Chhayavadi poetry. The most prominent feature of her

poetry is emotionalism and intensity of feeling. Such lively and tangible manifestation of the subtlest subtle expressions of the

heart makes 'Varma' among the best Chhayavadi poets. She is remembered with respect for her speeches in Hindi. Her speeches were full of compassion for the common man and firm of truth. At 3rd World Hindi Conference, 1983, Delhi, she was the chief guest of the closing ceremony.

Apart from the original creations, she was also a creative translator with works like in her translation ' Saptaparna ' (1980). With the help of her cultural consciousness, she has presented 39 selected important pieces of Hindi poetry in her work by establishing the identify of Vedas, Ramayana, Theragatha and the works of Ashwaghosh, Kalidas, Bhavabhuti and Jaydev. At the beginning, in the 61 - page 'Apna Baat she has given a thorough research in relation to this invaluable heritage of Indian wisdom and literature, which enriches the overall thinking and fine writing of Hindi, not just limited female writing.

There is a saying that you don't need to be related by blood, in order to call someone your family. Typically, a woman's family consists of her parents and after that; her husband and children. But what if you love animals more than you like your fellow humans? And what if you consider your animal companions as your children?

"Mahadevi Varma" was a renowned Hindi Writer. She had great love and compassion for birds and animals. In her lifetime, she had many birds and animals as pets. She portrayed that love beautifully via her short stories. She has written some really heart-touching and sometimes heart-breaking short stories about animals in Hindi.

Well known Hindi poet and novelist "Mahadevi Varma" - did just that; the much-awarded litterateur often referred to as Modern Meera lived an ascetic life with mostly animals for company. These creatures were never merely pets to her. Instead, she felt a love for them that was reciprocated equally. She rescued and adopted and helped many voiceless beings in her lifetime.

"Mahadevi varma" has a major connection with her animal friends. While others may have laughed at her, she felt gratitude and pride because the animals loved her, communicated with her, and showered her with affection. Pet parents are familiar with the way that their pets react to certain situations such as a stormy night. But "Mahadevi Varma" was a step ahead, seeing the animals' souls as they saw hers.

A woman who considers animals to be her family and rejects the social code of marriage and childbirth is probably not a rare occurrence these days. Often, women are happy to be child-free and be parent to cats or dogs. It is a matter of choice. Back in the day, however, it was tougher — though there is a list of women who were known for their work in their respective fields, stood firm and followed their hearts. Just like our author here. The animals kept her busy as she had a lot of them to care for. Plus, Mahadevi's

soft heart could not bear to see the voiceless beings suffering, so she even took in a deer from an acquaintance.

There is emphasis on the empathy that enabled "Mahadevi Varma" to read each furry family member's emotions. For example, Durmukh the male rabbit seemed lonely but bringing a female rabbit home did not improve the situation. There was aggression and violence too.

Animal behaviour is candidly shared by the author from start to finish. That means that the readers get a realistic picture about the non-humans being cuddly and showing affection to their human adopter. Along with that, there are the terrible incidents which only some animal lovers may be familiar with. Animals being killed by humans; animals killing other animals and the grief that follows.

Every human being who values non-humans and treats them as equals can identify with the sweetness of being surrounded by furry creatures. Every person who has rescued animals can feel the love in Mahadevi's life. My Family does not treat non humans as unintelligent, uninteresting or unlovable beings. It isn't the usual storytelling where the pet cat or dog shows up for a meal and leaves the scene. This story is not about a pet parent who serves the voiceless beings their food, pats their head, scratches the chin, and completes the daily interaction — this is a book about a woman who chose her family and the family who chose her.

Here are some story names of 'mahadevi varma" which shows her affection towards animals A short story about a rabbit that had become bitter - Durmukh Khargosh

How a wild baby squirrel grew into a loving and caring pet - Gillu

The innocent love, care, and playfulness of a pet deer - Sona Hirni

A pet dog with complex human-like emotions - Neelu Kutta

A short story that revolves around the love, carelessness, naughtiness of an innocent child and her three pets - Nikki, Roji aur Rani

India worships cows as deities then why does the same cow has to suffer too? — Gaura Gaay

The depth of a peacock's emotions in this unique short story — Neelkanth — Mor

Like this "mahadevi varma" represent feelings of animal, nature, and many more things with her great and inspirational writing.

There writing always give us courage to look forward and beyond our life

THANK YOU

Ishwari Pramodrao Khobe

B.S.C. 1st year Sem : I

Section : M3

Role of Women in defense services

All wings of the India Armed Forces allow women in combat roles (junior ranks) and combat supervisory roles (officers) except Indian Army (support roles only) and special forces of India (trainer role only) (c.2017). Indian Air Women deserve a bigger role in armed forces women encourage participation and share power and information as they have learnt this since their childhood, and yet are ruthless when the situation demands. It comes naturally to them to enhance the self-worth of their rare but much sought offer quality in a good leader. Our armed forces are opening the doors to women very hesitantly. Their role must be made more broad-based combat role in the Indian Army has for long been an exclusive domain of men. India will be among the few countries globally to have broken the gender barrier. Women have been serving in administrative and technical roles in various corps, but combat role for them, initially in the Military Police, is a new beginning.

The recent supreme court judgment has finally accepted gender parity in the army by allowing women officers in command position:

The debate on women in combat role in the armed forces comes up at regular intervals, at thought women have been in such roles in other countries earlier too. History bears testimony to the fact that thousands of women from Britain, Germany and America, excluding the women guerrilla fighters and those who took part in uprisings against the rulers, who may not be included in strict definition of a combat soldier, fought during the can of world war.

By 1943, the army of the Soviet Union had enrolled more than a million fighting women. The 586th fighter aviation regiment, 587th Bomber Aviation Regiment and the 588th Night Bomber Regiment of the Soviet Air Force were all-female units of pilots and aircraft engineers.

Bhumika S. Chavhan

Class : B.Sc. 1st

Roll No.: 1661

Sub.: English Assignment

Ways to Boost Your Immunity

Your natural immune System does a great job to defend your body against pathogens allergens and many illness - causing micro-organisms.

However If your immune system weakness micro-organism will start invading your body and can make sick.

Therefore you need to make certain lifestyle changes and start following some healthy life partners. to boost your immunity.

Researchers are still exploring the impact of regular exercising, diet psychological stress, age and other factors on the immune system or humans.

However its always recommended that people must chancing their immune system for good. Here are some tips to start boosting your immune system.

Start working on your diet :-

- First and Foremost, you need to aim for maintaining a balanced diet or unprocessed. Whole foods that include ample antioxidants. Its important to include high protein foods in the diet. Such as lean park lean chicken to fu fish beans milk. cheese egges nuts low-fat you hurt etc. you need.
- To Consume Four or Five serving or healthy green vegetables including collared greens lettuces etc. also eat plenty or mushrooms. Which are a great source or vitamins & to boost immunity.

Nourish Your Body :-

- The healthy immune System also needs proper nourishment according to some scientist people. Threes some evidence to prove that many micro nutrient dateless for instant deficiencies or iron cooper zine folic acid selenium and vitamins A, C, B, and E have a negative Seleniun and vitamins A, C, B6 and E have a negative impact on the immune.
- A, C, B6 and E have a negative impact on the immune response its essential to keep the body well nourish with proper food rich in protein and micro nutriment, to boost your immune System.

Heal Your Mind :-

- There a direct link between the brain and the immune System to be precise mindfulness meditation is important to enhance the activity in the right anterior insole prefrontal cortex and right hippocampus which is the area stimulated through mindfulness your boost, Immune System works more effetely.

Routine Exercise :-

- Regular exercise is important to boost your immune System if you work out regularly. It will help your body to mobilise the T cells a type of white bloods cells that guard your body against infections however constant extremely rigorous exercises may even weaken your immune system leaving you vulnerable to viral infection.
- However constant extremely rigorous exercise may even weaken your immune system leaving you vulnerable to viral infection and thus it must be done in moderation along with a healthy diet plan.

Get Adequate Sleep :-

- Lack of sleep may lead to the activation of the inflammatory immune response which further reduces the activity of T cells in the human body this may weaken your body's immune system. as well as response to vaccines so its best to get a proper 7 to 8 hours of sleep every night to maintain the balance of your body immune System.

Weight Management :-

- maintaining a healthy weight is also important to boost your immune System. If there is excess fat in your body. It may hamper your body's natural defense system and also leads to heart diseases and other conditions.
- Its important to maintain a proper weight neither more nor less-according to your height to gain a healthy immune system.

Adopt Healthy Life Patterns :-

- Following healthy life patterns like eating a balance diet, regularly exercising and taking the right supplements and nutrients that are important to control weight and improve your immunity when you start your day always eat a healthy breakfast and avoid being hungry for long periods.
Even skip chewing high sugar containing foods your blood sugar level while increasing fat storage always include at least for to five serving of vegetables and fruits in your diet each day these food are high in nutrients and low in calories.
These 7 ways to boost your immune system these simple lifestyle changes can help you stay healthy and bolster immunity.

Name : Sanika Gajanan Tikar
Class : B12 Sem I Year

The farewell of Humanity

- Many innocents who were without politics died. Every soldier took each bullet on his chest with a smile of pride
- Little children playing there-what was their fault ? To kill human ? To destroy humanity? what was the heed of the assault?
- On this note to keep us knowing ; for peeping in to that day, let's get going
- Mumbai the financial heart of India, which is now proudly standing reflecting its beautiful trivia.
- Nariwan, Leopold, Taj, Trident and Gateway; are standing 24/7 never letting its beauty fade away! But one this pride lost its valour ; crying and seeking help ant of terror.
- If was 26th of November 2008, wherein the worthless 'Jihad' was activates !!!!
- Decades what even centuries would post, The extremely trauwic images still stirs in heart.
- Many innocents were laid stain ; They were only 'ten' NSG claimed.
- CST, kania leopold and Taj, because the centre of 'Futile JIHAD' !!!
- To years their bloody cravings those fearless beasts for their futile Jihad they made even the painful cry to resist.
- Well!!! Islam is a very great entity, what these fools will understand?
- After this Inhumanity, even Allah would even deny their hand....
- 26/11 tycoon vanished all....
But always remember India never falls!!!!
- These unholy madness... these demolition must be stopped at any cost. Or else if it continues we all are lost!!!
- That day all blood mingled without any discrimination. There was no casteism but a yard of painful blood signifying the ache of entire...!

Name : Tanushka Pathak

Class : XI (c)

Acid Rain and Aquatic Life

As the effect of acidification has been sighted all over the world such as deleterious ecological effects such as reduced reproduction of aquatic fish species, dieback and stunted growth in plants, accumulation of toxic aluminum and heavy metals in soil and water bodies, biodiversity loss including corals and shellfish, degrade to the manmade structures made up of marble and stone and corrosion of metal structures.

Hence it is important to know about acid rain effect on aquatic life.

Acid rain releases aluminum from the soil into lakes and streams which is toxic to many aquatic organisms. According to natural surface effects of deposition about 75% of the lakes and about 50% of the streams. Soft waters with low alkaline metal ions are more susceptible to acidification.

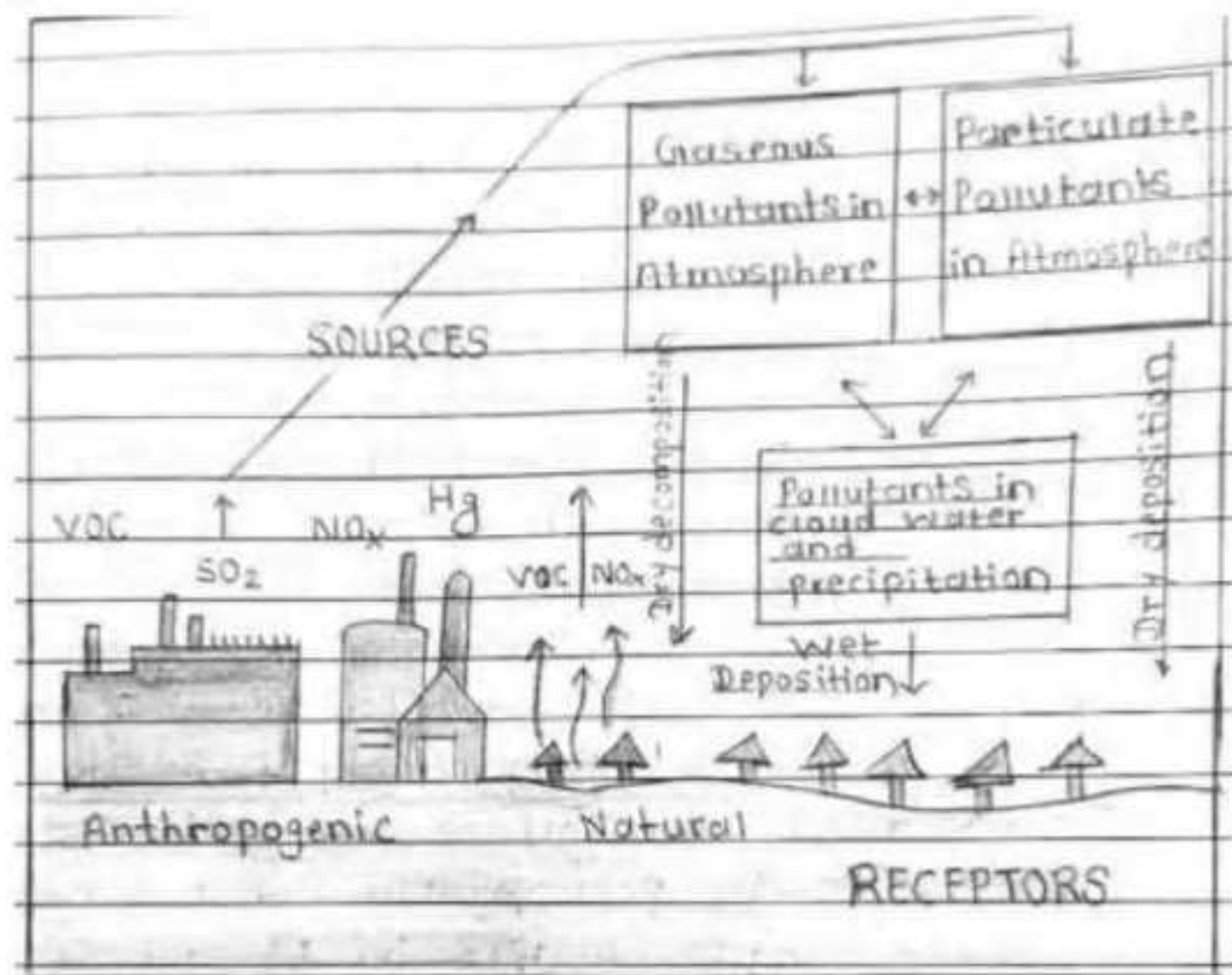
Acidification increases the release of aluminum from granite rocks. Aluminum gives chronic stress lower body weight or smaller the size thus fish become inefficient in competing for food and habitat. In addition, most of the eggs do not hatch, some adult fish may die, and partially sensitive species such as snails and clams cannot tolerate pH below 5.5. However in case of some species such as frog through it can tolerate lower pH but their prey species such as mayfly cannot and decrease in prey population subsequently lower the frog population as well.

Interconnections and interdependencies in the food chain affect the ecosystem release of toxic heavy metal ions such as ions of copper, cadmium, nickel, chromium, cobalt lead and zinc in the water body reduces the development and growth of the fish. Acidic condition together with toxicity of heavy metals reduced the growth of the fish and increases the stress this make the fish less immune, thus become more susceptible to diseases, kills the eggs and larval stages, reduces spawning and reproductive success.

Nitrogen dioxide deposition in water bodies is another major reason for episodic acidification about 10-45% of the nitrogen dioxide reaching water bodies are airborne and they are released to atmosphere mainly anthropogenic sources.

Acidification effects shell forming mollusk shell fish] coral reefs, sea grass beds and juvenile stages of aquatic organisms. In case of shell fish and corals their calcareous shell or skeleton get dissolved in acidic environment. Reduced pH encourages the growth of acid tolerant forms such as some bacteria and protozoa. Acid rain is not the sole of cause of acidification, some swamps, bogs and marshes naturally have low level of pH. In addition acid water run off from coal mines could reach the surface waters bodies e.g. fish kills in pennsylvania, west virginia and virginia surface waters in us and canada.

Acid rain occurs when pollution in the atmosphere (sulphur dioxide and nitrogen oxide) is chemically changed and absorb by water droplets in clouds. When there is precipitation the droplets in clouds fall to earth as rain, snow or sleet. The polluting chemicals in the water droplets form an acid by combining with hydrogen and oxygen in water. These acidic droplets can increase the acidity of the soil and affects the chemical balance of lakes and streams.



In the atmosphere, SO₂ and NO_x gases can be transformed into sulfate and nitrate particles, while some NO_x can also react with other pollutants to form ozone, also, SO₂ react with water, oxygen and other chemicals present to form sulfuric acid and nitric acid. This does not necessarily mean that acid rain is formed with the reaction of these chemicals. Rather a small portion of acid rain happens due to natural phenomena such as volcanoes, burning of fossil fuels etc. The sources of SO₂ and NO₂ in the atmosphere are:

1. Manufacturing, industries and oil refineries.
2. Vehicles and heavy equipment
3. Burning of fossil fuels to generate electricity. Portions of SO₂ and NO₂ come from electric generators.

Reducing of acid rain can be done either fuel switching or scrubbing. Fuel switching includes limiting the use of sulphur containing fuels such as coal or switching to low sulphur containing coal or oil, switching to alternative energy sources such as using gas boilers instead of coal or oil boilers, nuclear power generation using renewable energy sources such as wind air, wave and geothermal energy. Use solar batteries, fuel cells, natural gas and electric motor vehicles. EPA's energy star program, reduce car pool by using public transportation, maintain the vehicle for low NO_x emission and factory boilers such as clean the stacks and exhaust pipes. Use energy efficient boilers and using filters or scrubbers to catch

the oxides of sulphur and Nitrogen in industrial effluents and vehicles, defining the right stack height, in 1970s average stack height was 150-300m common in smelters and thermal electric generating plants in Europe and North America however later 400 m super stacks are introduced which reduced the local pollution by emitting pollutants outside the boundary layer.

Name : Shital Sanjayrao Gayakwad
Class : B.Sc. 1st year

Book I Loved The Most

I read many books for pleasure. Among all these books my most favourite book is 'The Ramayana'. It is the most interesting book. I have ever read. I like to read and re read that book because it is very much amazing and interesting to me. This book has been my friend since my childhood and till today I calling to the book at leisure.

The Ramayana is my favourite book because the story represents our culture. The main characters are of ideal type to understand our culture and religion. The story is very simple. It is easily understood by all. The story is nothing but the struggle between vice and vertu. Ravan is the demon king of lanka, he is trying to suppress gods and goddesses by dint of his power Ram, an incarnation of God has appeared before him to teach him a lesson. Ravan has been killed by Ram and again vertu has been restored.

This is the gist of the book . This gist is nicely Described with a number of beautiful amusing stories in the Ramayan. The service and sacrifice of Laxman and Sita are Really praiseworthy . The brotherly love and respect of Bharat for his elder brother is a shining example of noble character in the Ramayan.

The courage and daring deeds of Hanuman along with his devotion to this lord appeal every body. This book the Ramayan is the pride of our culture. It teaches as how to preserve our culture against adverse in Fluence .

The Ramayan inspires young people to work with greater courage and stronger mind. For all these reasons I prefer this book.

It leaves a lasting impression on me. My outlook of life has been broadened. It has taught me high moral. It teaches me to follow the character of Ram and Sita given me moral strength to fight against the gains of our society like Ravan.

The book is full of morals.

Ram was the ideal Son, ideal husband and ideal king. Sitadevi was the ideal wife, lakshman and Bharat were ideal brothers. Hanuman Proved him to be an ideal servant. The language of the book is very simple. It has message for every one, rich and poor high and low, young and old.

This book is written by valmiki in sanskrit. It was later written in Hindi by Tulsi Das and work is known as Ram charitra Manas!

An everlasting peach can be achieved if we follow the principles of Ramayan.

This book is read an all occasions in Hindu Society.

Name : Sakshi S. Belkhede

BE A WARRIOR NOT WORRIER

Dear Parent me,

Don't worry. All things will happen if they are meant to stop comparing the past to present. You left it behind for a reason, so go forward confidently into the future. you are developing right now.

Love and appreciate your own self, what you are inner and outer, these small worries and concerns will be forgotten with time. Time is best healer, isn't it? Be thankful for those small blessings that grace your life each moment. It takes destruction of all the old to build up to the new.

Tell the people in your life that you love them. It doesn't matter now many people are in your life, love the ones you have. You can't make yourself right and good in everyone's eyes. Even if you try to do so, you can't. So don't hurt yourself to become what they wanted to see you like, they will never get satisfied, Because they are not made to love you, accept it.

The any Situation they love and accept your good side as well as bad one.

Embrace yourself. Invest in moments and memories, not things. its not wrong to have nice house or cars, branded cloths as long as it is the memories made in that house, and trips and rides taken in that car and where you went with those you love that you hold most dear.

"Honour your bloom, trust your wilt" life chips away at us all. Some play the victim, some choose to be a survivor, and then there are those who chose to conquer. "Justice delayed, is justice denied." But you refused to believe. You said a coin has two sides. Speak for yourself, love your scars, they are the proof and reminder when every single thing tried to break you. They are proof that you were stronger than whatever tried to hurt you.

The best thing you can wear is confidence, don't its anything bother you and your life. You are precious strive to just be yourself find out what meant for you and who you someone else's ground to be who they are, build your own hill to stand on and then look around at the roots you have sown to be who you are.

believe in your potential cherish what you have because what you have may be in someone's wish list. just last reminder is letting go. Whether its guilt, anger, love, loss or betrayal change is never easy. But the best part is so are you! one day it will worth it.

Love you....!

From Future me,

Name : Nubesha Mehboob Pathan

Class : B.Sc. Ist year (II -Sem.)

My Favourite Area of Research

My Favourite area of research is garden. I like to visit the garden very much with my family. We can practice many sports activities with the participation of my brothers or parents.

We very much enjoy the air and vast scenic views. I really like the small of roses in the air specially in the spring. This is the perfect time that I love to spend time in the garden.

My brothers and I like to start a game of soccer when we arrive. After that we sit for a while to rest and have some drinks and food. Seeing the vast green spaces around me helps me improve my appetite.

Then my dad joins us for a tug-of-war challenge. We laugh a lot when we beat him and there is great fun and joy when he shares this game with us.

After that my brothers and I go back to ride some rides in the park and enjoy it and when it gets dark we usually sit down and play some of the games we bring with us. This place is my favourite area that I enjoy spending a lot of time in.

There is no doubt that many of our hearts have changed as a result of the spread of the Corona pandemic (Covid-19). After I used to prefer going with my friends to the club where we used to spend a good time playing football, it becomes better to stay at home, so I prepared some things which makes me happy, including the library. I have set up a library in my room, it contains many valuable books. I bought some of these books & others my father bought & gave to me.

My room has become my favourite place or area and reading has become my favourite hobby. I enjoy reading books in general & historical books in particular. Historical books educate me and provide me with important information. To make my room pleasant, I put some beautiful flowers on my desk, and my mother also I made a suggestion that they liked, which is to summarize the look that I have finished reading & read it to the of test of the family become in the evening.

This idea encouraged my brothers to read as well & thus there was competition between us & we invested our time in something useful, and I also played with my brother in the garden of the house, because exercising is very important to maintain our health, and thus we have implemented the health instructions for combating the spread of the Corona Virus without to be bored.

Siddhi R. Borikar

“Can Mobile Replace Books”

According to the common sense media, tuns are spending nearly nine hours on average using media or technology. As for twines, between the age of 8 and 12, they use technology six hours per day. Technology have some good benefit but not all of it are good. Not all people know what bad about technology and some think that they are better than books. Technology device should not replace books because technology devices can cause health problems, it also expensive and books improve learn much more than technology.

In fact using too much time on technology devices can cause health problems. technological devices can cause headaches, dry eye, eye strain, and blurred vision. Those problem can cause people to go blind and not able to see anymore. They can also cause narcissism and depression which is a mental health.

“Reading is a conversation. All books talk, but a good book listens as well”. A quote from mark hidden. For most people reading is something they like to do and it make them feel relax while reading books. something when reading people who fall asleep and forget all of their problem that they don't want to deal with. technology devices causes distraction in class, such as playing gone and listening to music. Most student don't get their work done when they are play game on their devices.

Most student in middle school in Lincoln, have chrome book which is a good thing but some student are taking advantage of chrome books and not doing school work. “A good part of “The information” is about the transition from an oral to a literacy culture. Book effect such great transformation in a way we think about the world, our history, our logic, mathematic, you name it. I think we would be greatly diminished as people.

And as a culture if book become obsolete, “James Gleick stated. it's because of books that technology are there today in.

The internet is very much like television in that it takes time away from other pursuits, provides entertainment and information, but in no way can compare with the warm, personal experience of reading a good book. This is not the only reason why the Internet will never replace books, for books provide the in dept knowledge of a subject that sitting in front of a computer monitor cannot provide. We can down load text from an Internet source, but the esthetic quantity of sheets of downloaded text leave much to be daggered. A well - designed book enhance the reading experience.

The book is still the most compact and inexpensive means of conveying a dense amount of know ledge in a convenient package.

The easy potability of the books is what makes it the most user-friendly format for knowledge ever invented. The idea that one can any in one's packet a play by shakespeare, a novel by charles dickens or Ton clancy, photo's Dialogues, or the Bible in a small paperback edition is mind boggling. We take such uncommon convenience for granted, not realizing that the book itself has undergone

quite an evolution since the production of the Gutenberg Bible in 1455 and shakespeare's First Folio in 1623, just three years after the pilgrims landed at plymouth to colonize the New world.

**While the INTERNET Distracts you with
Hundreds of Worthless Trivia.
A Good Book immerses you into a personal
world of Relevant Information.**

Not only has the art and craft of printing and book manufacturing been greatly improved over the centuries, but the great variety of subject matter now available in books astounding, to say the least. In fact, the internet requires the constant input of authors and their books to provide it with the information that makes it a useful tool for exploration and learning.

It is not to say the Internet is any less than it is. The Internet, as it continues to grow, is certainly one of the most remarkable technological development in the history of mankind. Its ability to connect us all with the entire world is what makes it so extraordinary. For example, you can read the morning headlines or weather reports in Australian newspapers, explore the subway system in Buenos Aires, or she has a telephone. Through the email you can communicate with anyone anywhere who also has an email address you can even discuss the latest book you're read.

**"But will the Internet ever replace books?
Not on your life"**

Nutan Anandrao Nagpure
B.Sc-4
Sem - II

ROLE OF WOMEN IN DEFENSE SERVICES

All wings of the Indian Armed forces allow women in combat roles (Junior ranks) and combat supervisory roles (Officers) except Indian Army (support roles only) and special forces of Indian (Trainer role only) (C-2017). Indian Air Women deserve a bigger role in armed forces.

Women encourage participation and share power and information as they have learnt this since their childhood, and yet are ruthless when the situation demands. It comes naturally to them to enhance the self-worth of their name but much sought after quality in a good leader our armed forces are opening the doors to women forces are opening the doors to women very hesitantly. Their role must be made more broad based.

Combat role in the Indian Army has for long been an exclusive domain of men. India will be among the few countries globally to have broken the gender barrier. Women have been serving in administrative and technical roles in various corps, but combat role for them, initially in the Military police, is a new beginning.

The recent supreme court judgment has finally accepted gender parity in the Army by allowing women officers in command position.

The debate on women in combat role in the armed forces comes up at regular intervals at thought women have been in such roles in other countries earlier too. History bears testimony to the fact that thousands of women from Britain, Germany and America, excluding the women guerrilla fighters and those who took part in uprisings against the rulers who may not be included in strict definition of a combat soldier, fought during the second world war.

By 1943, the army of the Soviet Union had enrolled more than a million fighting women. The 586th Fighter Aviation Regiment, 587th Bomber Aviation Regiment and the 588th Night Bomber Regiment of the Soviet Air Force were all female units of pilots and aircraft engineers.

Name : Bhumika S. Chavhan

Class : B.Sc. - Ist

Are Government Policies Beneficial For Research

First of all, we'll begin with, what government policies are? For the people wondering what policy actually is. It is a course or principle of action adopted or proposed by organization or individual. Government policies just like criminal justice, culture, education (which might be important from the student's perception), Government operations, economic Affairs etcetra. are also important for Researchers. There are also other four types of policies like, public policy, Functional policy, organizational policy, and specific policy. As for benefits of Government policies, Government often provides the national defense, protects property rights, tries to make market more competitive. As we are moving towards government, we'll see some more points about how it works.

There is an economic role of government in a market economy. Whenever the benefits of a government policies outweigh its costs.

They pay for goods and services, they use or provides by taxing or borrowing from the people. "Public Good" which we can say is a division of a government policy named. Public policy.) Does benefits to more than one person or people (Would be easy to understand), at the same time, and their use cannot or should not be restricted to the Rich, Wealthy people or the people who paid to use them. To design, To establish or to enforce property Rights, is an important role of government in the economy. As we've already seen how government policies are important, we'll now see, how research is too.

We research, it means we analyze or elaborate something we are on to. Well, Analysis of policies helps public to understand how these social, economic, or political conditions change. How public policies must evolve themselves in order to face the changing needs of these changing societies. Research does offer us the foundation for almost all the government policies in our economic system. As we talked about "Public Policies" early, social policies also stand there as public are socially interacts. As for social policies, Research provides accurate & timely information on the needs of people and for population to not get demotivated but to be motivated. As for Researcher, they use their different methods to observe sensations or events happened that affects people. Which we can say is a quantitative method. These quantitative research produces objectives that can be clearly communicated through statistics. Well, this makes researchers or research a vital role.

Role of Media in Covid-19

Abstract :

Covid-19 has spread to all over the world. Huge number of territories and countries is suffering from this issue and try to deal this pandemic situation. The first case of the corona virus infection is reported in India on 30th Jan 2020 in Kerala. First Lockdown is announced on 24th March 2022 by Prime Minister Narendra Modi. The government trailed it up with lockdown in 75 district where Covid-19 cases had observed as well as all major cities. Media plays an important role for the nation in this epidemic situation. This article discussed about the role of media in this Covid-19 period. It also discussed about the challenges/issues faced by media.

Introduction :

What is Covid-19?

A novel corona virus also known as COVID-19 outbreak was first identified in Wuhan, Hubei province, China in December 2019. Corona Viruses (CoV) are a large family of viruses that cause illness or sickness extending from the common cold to more serious diseases such as Middle East Respiratory syndrome and severe Acute Respiratory Syndrome. A new corona virus is a new strain that has not been previously identified in humans. Common signs of infection include respiratory symptoms, fever, cold, and shortness of breath or breathing difficulties. In more serious cases, infection can cause pneumonia, severe critical respiratory syndrome, kidney failure and even it cause death.

Media is one of the most powerful instruments of communication. It promotes the most crucial information and brings real and influential aspects of the world to a broad spectrum of people.

Media refers to several links, namely - mass media broadcast media, print media, the web media and the digital media. But I will deal here with print and video.

The world is moving towards progress in every step of life because of the information we are educated with daily social issues including poverty, violence, corruption and bribery, suppression of human rights, rape, discrimination and crime, killing in the name of honour are being covered by every social element with the pure and free effect. The media has given us a chance to explore the issues of society more naturally.

Media is all the more critical in a democracy. It is often regarded as the heart of a democratic cannot be thriving. In simple words, democracy is the government of people, for the people and by the people. In this sense, the active and vigilant participation of media is essential in a democratic society. It

is the voice of the people.

We can't even imagine a regular or even a "locked - down" day without news. The out break of corona virus disease 2019 (COVID-19) has created a worldwide hearth crisis that has had a profound impact on the way we perceive our world and our everyday lives. The pace of contagion of transmission threatens our sense of agency. with quarantine, lockdown and social distancing being implemented, our only source of credible information is the media or press. In the time of lockdown, the one doctor that has been working without adequate acknowledgment is the "press" or "media".

The journalists, like healthcare workers and delivery executives, are our front line resistance, against the virus. The people running the press have to tackle the rough weather, leave their families behind and work tirelessly 24 hours a day. The news never stops. The kind of motivation that drives them is commendable. They brave every add situation that comes their way.

The main agenda of this continuous work is to update people with all the latest information about the pandemic. The media, today, has secured people quarantined in their houses. They have eased the mental health of people under anxiety. They have given information on the degree and scale of the virus. They have provided us with suitable solutions. They have even entertained us as we something need to deviate ourselves from difficult situations. All of this press is available in every regional language to cater to people living in every region of our diverse country.

Purva Pandavkar

Experience of Online Classes During COVID-19

As the economy is unfavorably influenced because of Covid-19, the education sector also got affected. During mid - March 2020, the students were asked to stay home due to the outbreak of covid-19. Then the academic institutions has no option but to start with online classes.

There were more changes in the academic world as it was confined to classrooms. It was ensured that learning being provided to students.

The switching over from offline to online education during the lockdown period was undoubtedly for the first time in India to experiment with education system. No one ever thought before covid-19 that the studies would shifted to online mode. While noting down the experience of students during online classes there are many things which are positive and many are negative.

It is easy to collect the notes and study material during online class but at the same time there also an issue of network connectivity - Many students from rural region mainly face the problem of poor network and also the power cut. Online lectures has various benefits like flexibility, convenience, comfortable, etc.

We students are less engaged in online class as compared to offline class due to lack of interaction with the professor. Online classes can save time as the travelling time to the classes saved by it. We can repeatedly watch any topic from the class according to our conveniences and speed of learning. Students cannot concentrate on online classes because there were lots of other distractive things present in our mobile phones, laptops. We can face problems in solving the numerical subjects in online mode.

No doubt, virtual classes cannot replace the real classroom education, but it can be used as a supplement to the real classroom. We can learn and obtain knowledge about various knowledgeable platform due to online classes.

Srushti S. Bhusari
B.Sc.-I year (II Sem.)

IMPACT OF COVID-19 ON EDUCATION FIELD

The impact of COVID-19 is observed in every sector around the world. It has affected educational systems worldwide, learning to hear - total closures of school, universities and colleges. More than 1.2 billion children in the world have been severely impacted by the temporary closure of the educational institutions. School closures impact not only the students but teachers and families.

This is a crucial time for educational sector as the exams of different levels postponed and admission process got delayed.

The pandemic has significantly disrupted the higher education abroad, especially in countries worst affected by the pandemic the USA, the UK, Australia and China. After the crisis is over, things are not going to remain the same. Many people have lost their jobs and the institutions priority will be to put back their people into employment first.

The outbreak also impacted greatly the structure of schooling and learning, including teaching and assessment methodologies leading to a transition of learning to online platforms and the use of technology as a means to extend education for all. But not all teachers and students are good at it and they are not even ready for this sudden transition from face to face learning to online learning, only a handful of private school and college could adopt online teaching methods. On the other hand, low-income private schools have completely shut their activities for not having access to e-learning solution.

Its impact on our well being, the increase in screen time and the spike in eye problems reported. Teachers have adopted new methods of teaching like PPT, Videos etc. Easy distribution learning materials through whatsapp and emails has opened new doors of learning for students. Schools and colleges putting in their best efforts to make sure students don't miss out on extra curricular activities. So, the impact on students are no longer disciplined to follow a time table their exposure to various physical and mental exercises has shrunk. Thus, the lockdown destroyed the schedules of every students.

It has some positive impact also. It has accelerated adoption of digital technologies to deliver education. But apart from the certain challenges, it is only the option available to the students.

One of the limitations of emergency remote learning is the lack of personal interaction between teacher and students.

With broadcasts, this is simply not possible. However, several countries showed initiative by using other methods to improve the remote educational experience, including social media, email, telephone and even the post office.

During the initial period, the institutions were confused because they had no idea how to proceed but gradually, they developed the digital infrastructure and the study pattern started to settle. During the pandemic the situation most of the students preferred was open and distance learning mode of the as it encourages self-learning and providing opportunities to learn from diverse resources and customized learning as per their needs. Most of the recruitment got hampered because of the pandemic.

Placements for students was also affected.

Many pass out students lost important job opportunities only many students and job workers had to return home from over seas because of pandemic therefore disrupting their work.

Therefore, the following work outlines the influence of so-called COVID - 19 on education. Both positive and negative influences has seen.

The outbreak of COVID - 19 is detrimental to university and college student's affect. During the outbreak response, we should string then the guidance and regulation for negative affect and pay attention to improving the positive affect of university and college students.

Corresponding their positive affect and negative affect were more stable.

Archisha Kesharwani
Bsc (Sec -M1)

'MY COLLEGE MY DREAMS'

Everyday before I leave
I always learn something new
Learning the Lessons that will mold
me into strong & bold.

keeping my all stress aside
The friends in college are calming ride
To learn explore and create
College teaches to innovate.

College gives me wings to fly,
High in my dream sky
Let me shine, Let me gleam
With my College my Dreams.

Chanchal A. Shinde
Bsc Sem-II

'MY COLLEGE MY DREAMS'

knowledge is really found in life
For that I have to go to college...

The Journey to college is one of study
I Wanted to get off at the degree station...

I had to go to college to have a good life.
We had to decorate our lives...

I want to experience college education.
The person had to come from experience
So, I had to go college....!

Vaishnavi Gajanan Mohdare
B.Sc. I

'MY COLLEGE MY DREAMS'

I have a place, where I dream...
That my college, which is my mainstream...

I have a chance, to change the society...
For betterment of mankind,
So that everyone could live in Society...

I have a dream, To be best human being ever
As my college teachers taught to me be,
The most cleaver.

I want to know lessons of life,
And want to take every knowledge...
Which will make me strong and confident.
From my college...

College is the place from where,
My future will be decided...
For which I should also work hard,
As my life can't be change by worked one-sided..

I have a place, where I dream...
That's my college, which is my mainstream

Sejal Mahendra Bansod
B.Sc-I year

'MY COLLEGE, MY DREAM'

My dreams are a invisible, They are a interesting in life.
He is enjoy in every students, And education in college.
Most important in teachers of our life. This college in every lessons are learn.

Our teachers are so nice,
They give knowledge and advice, My college looks so simple.
But, to us it's a temple.

My college is a beautiful, They are so nice and cool.
I will only be a fool, If I don't miss my college.

When the life of college ends,
We have bunch of many friends,
One has to work hand, to get a good report card.

My college uniform, In winter keeps me warm.
Many books are in library. Some use read some we carry.

We learn in the college, Discipline and the rule.
That's a my life in my college, science helps me fill so free.
Doing physics, biology and chemistry, This books are my friends.

They are my college my Dreams....!

Mansi Sharadrao Dhawale
B.Sc.-I

'MY COLLEGE, MY DREAM'

Those were the best days of my life, when fun and frolic was rife.
A refreshing realm of knowledge, That was my college.

Funny Friends and loving lecturers, Freaky funded and flexible study hours.
Riddles and rumors, gossips and giggles - umpteen.
Added spices to the junk I hogged at the college canteen.

I, majored in English literature, and the subject suited my sensitive nature.
I was initiated into the world of stories poems and plays.
Each lecture set my imagination ablaze.

My college was a literally paradise. Where I learnt to critically analyze.
Every text that came my way. Be it poetry, prose or play.

Free from the fetters of school, I Willingly jumped into the knowledge pool.
Where education was mixed with entertainment, At college learning was never a punishment.

Vaishnavi Ratnaparkhi

'MY COLLEGE, MY DREAM'

I'm standing outside of the college,
It looks like summer.
I don't have, a shirt on,
but I don't care.
Just like, a bird, I fly, fly and fly in the sky
and fly for a little while.
There's green foliage, at eye level,
and the trees put their arms out,
to hide and protect me,
Nobody can stop me nobody can scold me.
I follow my dream and reach to my way
I just want to capture this moment
I just want to perceived everything
such a glad moment if someone should see me
and I can fly in the whole sky.

Prachi Ravindra Dangare
B.Sc - I Year

NEW EDUCATION POLICY

Getting proper basic education is the birthright of each and every individual as per the Indian constitution education is the key element in the development of a child for getting ready to lead a happy life.

The change in the National education policy, after 1986 in the 21st century took place in July 2020, after replacing the existing National Education Policy . The change in education policy is made after the gap of total of 34 years. But the change was necessary and the need for the time should have been made earlier.

The new education policy is the reworking of the earlier national education policy. It is the change of the entire system of education by new structural outlines. The vision laid in the New Education Policy is turning the system into a high - spirited and energetic one. There must be an effort in making the learner responsive and skilled.

The earlier system of education was basically focused on learning and giving results. The students were judged by the marks attained. This was a unidirectional approach to development. But the new education policy focuses on the relevance of a multi-disciplinary approach. It aims at all-round development of the student. New education policy visualizes the formation of a new curriculum and structure of education which will help the students at their different stages of learning.

The new education policy focuses on the integrated development of the learners. It replace the 10 + 2 system with 5 + 3 + 3 + 4 structure, which states 12 years of schooling and 3 years of Pre-schooling, thus kids with the experience of schooling at an earlier stage.

The examinations will be conducted in 3,5, and 8th grades only, others will go for regular assessments. Board exams will also be made easier and, held twice in a year so that each child gets two attempts. The policy envisages a multi-disciplinary and integrated approach to the under - graduate programmes with greater flexibility of exit from the course.

The state and central government both will work together towards greater public investments by the public for education will give rise to GDP by 6%, at its earliest. The new education policy focuses on enhancing practical education instead of laying stress on books for learning.

NEP allows for the development and learning of children by general interaction, group discussions, and reasoning. The NTA will conduct a common entrance exam for universities at a national level. The students will have the freedom to select the course they desire to learn along with the course subjects, thus promoting skill development. The government will be setting up new ways of research and innovations at the university and college level by setting NRF (National Research Foundation). The implementation of the language be. The teaching up to 5th grade, to be continued in the regional languages is the utmost problem. The child will be taught in regional language and therefore will have less approach towards the English language, which is required after completing 5th grade. Kids been subject to structural leaning, which might increase the burden on their small minds.

The new education policy is laid down with several initiatives that are really the need of the present scenario. The policy is concerned with attention on skill development along with study curriculum.

merely dreaming of anything with not make it work, as proper planning and working according to that with only help in fulfilling the objective No sooner the objectives of NEP are achieved, will proper our nation towards progress. The policy has many positive features but the same can only be achieved by strictly making happen. More consideration for the layout will not work efficiently instead of actions.

***"Education is the most powerful weapon
which you can use to change the world"***

**Rutuja M. Karlake
B-12 Sem II**

MY FATHER : MY INSPIRATION

One of the most important influences a father can have on his child is indirect-fathers influence their children in large part through the quality of their relationship with the mother of their children. A father who has a good relationship with the mother of their children is more likely to be involved and to spend with there children and to have children who are emotionally & mentally healthier similarly, a mother who feels affirmed by her children's father and who enjoys the benefits of a happy relationship is more likely to be a better. Indeed, the quality of the relationship effects the parenting behaviour of both parents.

They are more responsive, affectionate and confident with their infants, more self-controlled in dealing with defiant & better confidants for teenagers seeking advice and emotional support.

Of course, fathers are not all the same, and being an effective father takes many different forms. But, It is important for any caseworkers who is going to be working with fathers- in other words, every caseworker to under stand what fathers or fathering effective is !

Helping men understand what an invaluable and irreplaceable role they play in the development and lives of their children can lead them to make a greater commitment and investment in their family.

Meagerly, The time a father spends with his children is important for at least three reasons :

First, Spending time together enables a father to get to know and to be known by his child. A father can best discover his child's virtues and vices, hopes and fears & aspirations, ideals by spending lots of time with his child.

Second, A father who spends lots of time with his child tends to be better at caring. Time spent together makes a father more sensitive to his child's need for love, attention, direction and most important it's discipline.

Third, Childrens often do see time as an indicator of a parent's love for them.

Certainly the role of father as protector and provider has changed over the years. Historically, fathers were viewed as chief financial provider and protector of their children. Father also are expected to provide protection in addition to providing for their family financially. From children proofing a

home when the child is very young to making sure their children are not threatened by other children or adults; fathers play an really appreciable & important role in making sure their children are safe. This is particularly important in communities that experience high rates of violence and crime.

In fact, that the role model provided by the father is of the almost importance.

'Being a role model (Father) is not a simple /easy task'. In the way that fathers treat other people, spend their time and money and handle the joy and stresses of life, they provides a templates of living for children that often proven critical in guiding the behaviour of their children, for better or worse, a father's treatment of the opposite sex, his ability to control his own emotions, and his approach to work all play a formative role in shaping his son's and daughter's approach to romantic relationships.

A father should acknowledge their mistake to their children, when appropriate, they should be seek forgiveness from their children. A father who loses his temper while disciplining a child should apologize to the child. Many of men view apologizing to their child as a sign of weakness that will cause the child to lose respect for the father's. The opposite is true.

Apologizing shows a man is capable of acknowledging and facing up to a mistake, firing the mistake to the extent possible, and committing to moving forward hardly a sign of weakness, much more so a sign of strength.

Ruchika S. Nimbalkar
IIIInd Years

'MY COLLEGE, MY DREAM'

College life is one of the most remarkable and lovable times of an individual's life. Unlike school life, college life has a different experience and a person needs to have this experience in his/her life. College life exposes us to whole new experiences which we always dream of experiencing after our school life.

I am a students of science college, wardha. It is one of the most popular college in wardha. There are over 70 rooms in my college, large halls where college are well furnished. There are about 100 teachers in my college. They all are hard working and take a keen interest in teaching. I love my college a lot because it possesses all the qualities of an ideal college. We have separate panel of teachers who identifies our potentials and guides us which career we should choose and in which industry we can accelerate well in terms of our skills and abilities.

To solve difficulties, our teachers conducts extra sessions for us so that we do not have to take the help of tutors and score well in the exams. Like other colleges in the city my college is not built to earn profits - The target here is to impart excellent education and come out with bright careers so as the shape of our future is in best possible manner.

Dreams are essential. From the children stage, kids are made to aspiring something big. They are fed with the importance of a successful career. Every individual they pass by, questions their aim, thus career becomes the central focus. Not everyone is fortunate enough to choose a career path. Some simply don't have the means to do so while others can't decide what to do.

I am grateful to my college for helping me to make my dream come true. I am a student of microbiology. My college showed me how the world that we look can be viewed differently in terms of microbiology. They taught me how we human are dependent on microorganisms, not only humans but all plants and animals. Using microorganisms we can solve many environmental problems, good shortages, sanitary practices, etc. Now It has become my dream to become a microbiologist and to study all that is there to learn about microorganisms.

The world of microorganisms is still an uncharted territory. We don't know many microorganisms are there. There could be some microbes which could cause havoc in the world due to it's pathogenicity. I want to prevent such from happening so I've choosen it as my career path. There will come dark days ahead of us when we feel down or Simply decide to give up our dreams but we must then hold on to hope. Keep it alive. No matter how buried it gets, or lost you feel. The moment you decide to give up think about why you held on for this long. You must keep the resolve to see through your dreams till the very end. Noone can tell if the chores you make will you regret it untill it happens. Simply taking small steps towards your dreams could make come true.

To wrap it up, dreaming of a gole is easier than achieving it. To fulfill it, you need to sacrifice many things. Above all, the pathways towards your dream will help you achieve it. And never stop dreaming.

Hemang Butle - BSc. Semester -II

SHOULD FACEBOOK BE BANNED?

Facebook is a website which allows users / who sign-up for free profiles, to connect with friends, work colleagues or people they don't know, online. It allows the users to share pictures, music, videos, and articles, as well as their own thoughts they like. Overall facebook as a website is a safe place. There is built in security that helps to protect you and your information one primary of security that facebook use is called SSL (Secure Socket Layer).

Should facebook be banned? Absolutely Yes! Also its not just facebook data can be manipulated why not ban all electronic and print media as well. According to reports, if facebook does not comply by may 26, It may lose the intermediary's protection and status. Government can also take criminal action as per the law and order in India.

The truth is that facebook cannot be banned in India. Facebook is bulletproof in some countries. It works with governments and thus enjoys the trust and backing of most government. Although the data is an 2 years old, the 2021 Facebook data breach is an extremely serious matter. Since the leaked data is still valuable to Cybercriminals who used people's personal information to impersonate them or scam them into handing over login credentials.

Banning Social media sends the message to your employees that you do not trust them Instead of treating them like adults who understand their responsibilities, restricting social media sends the message that you can rely on them to manage their own to them to manage their own time, and you need to limit distractions for them. The new law states social media platforms with more than so million users cannot ban people based on their political viewpoints.

privacy invasion Facebook is one of the most fabulous famous social media networks which have more than 500 million users. DF course, this network provides lots of opportunities to communicate and find new friends...

Therefore, Facebook should be banned to prevent privacy Invasion and associated crimes.

As of December 2021, 26.4 percent of Facebook users in the United states were in the 25 to 34 Years age group. Overall, 18.2 percent of Facebook users were in the 35 to 44 years age group and just 3.2 percent to 13 to 17 year old's used the social media platform.

Reducing social media use can help stem (but not eliminate) the risk of employees using social media as a forum for discrimination and harassment. Banning social media while at work theoretically could stem the lost productivity that comes with excessive time spent online by employees. Facebook is a great platform for sharing information about milestones in your life. Facebook allows users to message instantly, and has helped countless people reconnect after natural disasters that left them without their phones or others, communication methods. Users can instantly talk to someone around world. There are nearly 239.65 million Facebook users in India.

Alone, making it the leading country in terms of Facebook audience size. To put this into context, if India's Facebook Audience were a country then it would be ranked third in terms of largest population worldwide. Therefore, India uses Facebook the most.

Facebook can also affect the development of the society for instance, many people claim the societies only benefit from the use of such social networks as facebook since people can be aware of the real situation in their country and in the world some argue that government often suppress media trying to juggle with facts. On balance, although some people argue that facebook is a helpful tool of communication it should be banned as it has too many negative affects can lead / to increase of crimes and social unrests.

Accordingly, we aren't focusing on our friends. In this day and age, youngsters are more impacted by interpersonal interaction than previously. Regardless of whether person - to - person communication illuminates and associates us with our general surroundings, there are a few negative viewpoints that ought to be known towards our most youthful ages.

So the facebook should be banned as it has too many disadvantages and negative effects.

Akanksha Vitthalrao Ughade
BSc -I Sem-II

Annual report of Botany Department - 2021-22

In the Academic session 2021-22, on 1st Aug.2021, a skill based certificate course on Statistical Analysis using R. was co-ordinated by Dr. Dhiraj Naik. Staff, UG & PG Students (50) of our college & other colleges participated in this training. Due to this training program students get aware of R language which is used extensively in Data Science & core platform for recruitment as R programmer.

On 8th August 2021, talk on "World of Hydroponics" by Dr. Jawaid Alam, National resource Person(NCSTC), Department of Science & Technology Govt. of India was organized. This online webinar was organized by Department of Botany in association with Bajaj Science Education Center, Wardha. Program hosted by Dr. Dhiraj Naik and Dr. P.F. Dhabarde was Co- Convenor. Students (250) of B.Sc and M.Sc. attended the webinar and get aware about Hydroponics and had gain knowledge of how a sustainable system works to grow plants & calculating correct nutrients & water level.

Webinar on "Entrepreneurship" delivered by Ms. Trupti Dhakate Founder, Quality Mushroom Farm, Pune organized by Department of Botany in association with Institution's Innovation Council (IIC) on 24th August 2021. Convener of this program was Dr. P.F. Dhabarde, Head, Dept. of Botany and webinar was coordinated by Dr. Dhiraj Naik. From this webinar, students of B.Sc and M.Sc. got idea about starts-up & Entrepreneurship.

Dr. Shalaka Shinde, Senior Scientist, New Product Development. Lead, Oil Dri Corporation of USA, United States guided on topic "Road to MS and Ph.D programme in USA: Comprehensive steps" for promoting B.Sc. and M.Sc. students for higher studies in abroad. This program was hosted by Dr. Dhiraj Naik & Dr. A.A. Maheshwari, Member of Training and Placement Cell on 30th Sept. 2021

Lecture delivered on "All about Owls" by Dr. Jayant Wadkar, Honorary Wild life Warden, Amravati District & President, Maharashtra Pakshimitra Foundation. This program was jointly collaborated by Department of Botany & Zoology. Dr. P. F. Dhabarde was Co-convenor and program Co-ordinated by Dr. A. A. Maheshwari. on 4th October 2021.

On the same day (4th October 2021), Workshop on Herbs and Herbal Products was organized under the able guidance of Dr. Pradeep Saudagr, Asst. Prof., Arts, Science & Commerce College, Chopda, Dist. Jalgaon. This Course was Co-ordinated by Dr. L. P. Dalal, & Dr. P. F. Dhabarde. Other members were Dr. D. D. Naik Dr. A. A. Maheshwari. Students of B.Sc (18) gained knowledge of preparation of herbal products so that they can start their Entrepreneurship.

On 7th October 2021, Lecture taken on "Medicinal Plant Diversity & its Conservation" by Dr. Sanjay V. Satpute Prof. & Head, Dept. of Botany Mahatma Fule Mahavidyalaya, Warud, Dist. Amravati. This lecture was organized in collaboration with Department of Zoology and Botany. Co-convenor: of this program was Dr. L.P. Dalal and Co-ordinated by Dr. A. A. Maheshwari. Students get acquired idea about medicinal plants & its conservation.

Excursion tour for collection of plant materials to Malegaon (Theka) of M. Sc. I and II year students on 18th November 2021. Convener of this tour was Dr. D. D. Naik and Coordinated by Dr. Swati Kalode, Dr. A. A. Maheshwari, Dr. Aarti Pranjale. Student of M. Sc. Students came to know the plants from natural habitat, habits, name of the plants that impacts / imprints on their memory for long life. In this tour Dr. Acharya, Retd. Professor, Bajaj College of Science, Wardha and Shri. Kaushal Mishra, Honorary member of wildlife, Wardha opens up and shared the treasure of their knowledge and long experience of floral diversity of Wardha forest for the staff and students.

Propagation of *Helictres italicar underline isora* (Muradsheng) from stem cuttings in the Department by M. Sc. II students in the fourth week of November (20/11/2021) was conducted by Dr. A. A. Maheshwari, Dr. Aarti Pranjale for students of M. Sc. II. Students gained the knowledge of propagation from plant stems and will able to grow form other plants also.

Excursion tour was organized in January and February months at Ridhora Dam, Pavnar and Dham River for collection of algae and hydrophytes. Dr. Swati Kalode coordinated these visits to explore the plant diversity in aquatic ecosystem and understood a lot about its ecological significance.

Miss. PoojaThak and Miss. Yogini Wairagade from M.Sc. II had participated in the debate competition organized by Bajaj College of Science, Wardha on the occasion of "International Women's day" on 8th March.

On 16th March, students (25) from Bharti Science College, Arni, Yavatmal visited to the "Tissue Culture laboratory" of Botany Department to get the information regarding tissue culture techniques run by the College in research labs. Dr. D.D. Naik co-ordinated this visit and given demonstration of equipment's used and Inoculation of explant in Plant tissue culture lab.

A study tour was conducted on 25th March 2022 for all staff of Botany Department under the guidance of Dr. Sujata Bhargava, Dr. Acharya and Shri. Kaushal Mishra for ecological study of forest area of Wardha District in collaboration with Forest Department, Wardha.

Miss. TeenaUike and Miss. Divyani Dadmal from M.Sc. Sem. II presented poster on "Study of phytochemical analysis on selected plants of Wardha city". Mr. Mohan Kapse also presented poster on "Nano particle mediated seed priming improves seed germination in leguminous crops." They participated in National conference on "Basics and Advances in Biological Sciences" was organized by Department of life science, Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur in collaboration with Technology and energy park & Global biotech forum, Nagpur on 8th & 9th April 2022.

Dr. L.P.Dalal / Honored with one year membership by VD GOOD Technology, Chennai.

Dr. L.P.Dalal received Best Researcher Award conferred by International Scientist Awards on Engineering, Science and Medicines dated on 7th & 8th August 2021 at Pondicherry, India.

Department of Chemistry

Report of Chemical Society - 2021-22

The Chemical Society of Department of Chemistry was inaugurated on 13th January 2022 for the academic session 2021-22, with the hands of Dr. A.V. Wankhede, Department of Chemistry, VNIT, Nagpur. On this occasion, Dr. Wankhede delivered a lecture on "Mossbauer Spectroscopy".

Following activities were conducted under the banner of chemical society:

1. "Workshop on Fire safety" was organised, where team of Fire Brigade, Nagar Parishad, Wardha provided Hands-on-training on fire extinguisher, minimization of fire accidents, career opportunities in fire science on 12th March 2022.
2. Department has started Skill-based Certificate Course in "Industrial Wastewater Management" in collaboration with St. Xavier's College, Mumbai. 36 UG & PG Students from the college and outside the college are admitted to this course. Dr P. V Tekade is facilitator and Dr Mahejabeen Haque is co-ordinator from the college and Prof. Marazban Kotwal is facilitator and Dr Abhilasha Jain is co-ordinator from St. Xavier's College, Mumbai.
3. One day webinar on "Motivational talk by Successful Entrepreneur" (Resource person: Mr. Arun Waze, Founder Chairman, Anil Cottage industry, Wardha) was organised in association with IIC to celebrate "World Entrepreneurs' Day" on 23rd August 2021.
4. To inculcate knowledge about Starts-up, IPR and Entrepreneurship, Impact Lecture Series-Session on "Intellectual Property Rights (IPR) and Entrepreneurship" was organized in association with IIC on 22nd September 2021.
5. Online seminar competition for UG students was organised on 26th Oct. 2021.
6. An educational visit & Workshop on "Enchanting Experiments in Chemistry" was organised at Bajaj Science Educational Centre, Wardha on 31st March 2022. 39 PG students & 4 faculties participated in the workshop. Students also visited to various laboratories of Bajaj Science Educational Centre, Wardha.
7. Written examination for Campus placement drive by Cleanchem Laboratories LLP, Mumbai was organised on 23rd Sept. 2021. 44 candidates appeared for written exam. Three PG students (Mr. Saurabh D. Timande, Ms. Chetana S. Rewatkar & Ms. Nidhi D. Dekate) selected as research executive trainee in interview process.
8. One PG student (Mr. Vikrant Gahukar) was selected as an "Officer trainee – CRM (Mills)" at Uttam Value Steel Ltd., Wardha.
9. In Piramal Campus placement drive ten students applied for campus placement. Three students shortlisted for written test (written test date: 24/11/21) Two students selected for

personal interview on 31st Nov.2021.

10. Mr. Sarvang Dhole, Mr. Vaibhav Jaiswal & Mr. Rahul Baisware cleared IIT-JAM in Chemistry.
11. An Inspire fellow Ms. Ayushi Deshmukh from Ferguson College, Pune carried out her research project work from 1st Oct. 2021 to 15th Nov. 2021 in the Department under guidance of Dr. A.V. Nakhate.
12. Projects on different topics have been undertaken by UG and PG students. 2 PG students are doing their projects under the guidance of scientist of *Chemistry Based Division* Mahatma Gandhi Institute of Rural Industrialisation: MGIRI Wardha, a National institute under the ministry of Micro & Medium enterprises, Govt. of India.
13. Mr. Vikrant Gahukar & Ms. Kunali Gondane secured first & second rank respectively in "Innovative Idea/Concept" competition on 20th Nov. 2021.
14. Three PG students (Ms. Payal Chafle, Mr. Roshan Chute & Mr. Vikrant Gahukar) secured first prize in "Model making & poster making competition" on "Best out of Waste" organised by P. G. Department of Chemistry, Santaji Mahavidyalaya, Nagpur on 27 Nov. 2021.
15. Four UG/PG students participated in "University level Science Exhibition" organised by Kamala Nehru Mahavidyalaya, Nagpur on the occasion of National Science Day on 28th Feb. 2022.
16. RGST project sanctioned: Dr. D. D. Naik-Botany (Principal Investigator) and Mr. M. D. Bansinge-Chemistry (Co-Investigator).
17. "Young Scientist Award" was conferred upon Dr. P.G. Borkar by ISAS, Nagpur Chapter, during an International Conference at DRB Sindhu Mahavidyalaya, Nagpur on 25th & 26th March, 2022.
18. Provided the consultancy for Muffle Furnace to the students of B D Engineering College, Sevagram.
19. Guest lecture of Dr. Mamta Wagh, Kamala Nehru Mahavidyalaya, Nagpur was organised for PG students from 20 to 22nd March 2021 on topic Surface Chemistry & Micelle.
20. Guest lecture of Ms. Priyanka Bhukya, Anand Niketan College, Warora was organised for PG students (Topic: Polarography) on 29th March 2022.
21. Faculty and students of the department have published two papers in journals, presented five papers in conference and published a book in this session.

Co-curricular Activity Report Session 2021-22

In the session 2021-22 various Co-curricular activities were planned and nearly 3000 students participated in all the activities that were organized by the college. The students actively participated in the Quiz competition and the seminar activity organized by various Departments. Few notable Co-Curricular activities and student achievements are as mentioned :

Elocution Competition:

- Ms. Anushri Watkar won the 3rd Prize of Rs. 5000 in Start-up Competition organized by RTMNU, Nagpur.
- Mr. Atharva Bhigare won 2nd prize in "Innovative Idea /Concept competition for student" organized by research promotion cell, Bajaj College of Science, Wardha.
- Students from Physics Dept. participated in two days VUPTA seminar competition at Vidya Vikas Mahavidyalaya, Samudrapur and four out of six participating students won prizes.

Workshops:

- Department of Physics organized "Nanosense" -- a skill enhancement online workshop in interdisciplinary nanoscience in collaboration with Fergusson college, Pune under the UGC Stride Scheme.
- Department of Chemistry organized Fire Safety Workshop in Collaboration with Fire Brigade, Nagar Parishad, Wardha.
- Department of Zoology organized Online workshop on Drosophila rearing and Nematode.
- Department of Botany organized a workshop on Herbs and Herbal Products.

Guest Lectures/Webinars:

- Impact Lecture Series-Session-1 on "Intellectual Property Rights (IPR) and Entrepreneurship" was organized by Department of Chemistry in association with Institution's Innovation Council (IIC).
- Celebration of Hundred years of Nobel Prize to Albert Einstein: Guest Lecture on "The Story of Photoelectric Effect" by Prof. Jitender Singh (Scientist Anveshika) organized by Physics Department.
- Impact Lecture Series Session-2 on "Innovation and Startup" organized by the Department of Physics in association with Institutions Innovation Council (IIC)
- Guest lecture on "Road to MS and Ph.D. program in USA": Comprehensive steps by Dr. Shalaka Shinde, Senior Scientist, New Product Development, Oil Dri Corporation of USA, US
- Guest lecture on "How to prepare for competitive examination" by Mr Aatish Rangari, Wardha.

- Guest lecture on "Carrier, growth, Opportunities in Clinical Research" by Ms. Pooja Hiware and Ms. Shivani Balapure from Indian Institute of Clinical Research and Management (IIRM), Nagpur
Few activities were organized by the College to celebrate important social, cultural and national events.
- Constitutions Day was celebrated on 26th November and preamble of the constitution was read out and oath administered to the students and faculty to uphold the constitution values.
- Library Books exhibition was organized for staff and Students for encouraging the reading habits among them.
- Marathi Bhasha Gaurav Din was celebrated on the occasion of birth anniversary of Shri V V Shirwadkar to encourage the use of mother tongue in daily official activities.
- Science Day celebrations were organized on 28th February and important events and achievements in life of Sir C V Raman were highlighted by Guest speaker Dr. Mangesh Diware, Seoul National University, South Korea.

Dr. S.H. Bagade
Coordinator

Department of Physics

Report on activities carried out during the session 2021-22

Department of Physics is actively engaged in various student centric activities through out the year. In the session 2021-22 Physics Dept. had the privilege of hosting the MHRD's Impact Lecture Series Session -2 in association with the Institution's Innovation Council (IIC) of the College. Students were provided guidance on how to convert their ideas and skill into successful start-ups and the about the latest trends in Nanoelectronics. "Nanosense" a skill enhancement online workshop in interdisciplinary Nanoscience was organized by the Department in association with Fergusson College, Pune, under the UGC Stride Scheme. Total Thirty two students, Sixteen from each college participated in the three month long workshop which was coordinated by Dr.G V Lakhotiya. A workshop on "GeoGebra" was organized under the guidance of Dr. Vijay Deshmukh, BIT, Wardha for geometrical realisation of various mathematical equations. Science Day celebration was organized on 28th February, where, Dr. M Diware, from Seoul University, South Korea threw light on the life and work of Nobel Laurette Sir C V Raman.

Under the guidance of Dr. M M Yerpude and Dr. S R Tiple, students of the Department participated in the Vidharbha University Physics Teachers Association (VUPTA) State level Seminar Competition held at Vidya Vikas Arts, Commerce and Science College, Samudrapur.

Prize Winners in the competition were Purva Mude (2nd Prize - G K), Rutik Dabhane and Anushree Watkar (2nd prize - Poster Competition & consolation prize – elocution competition), Roshan Fukat (consolation prize- seminars competition)

Institution's Innovation Cell (IIC) Report

Ministry of Human Resources Development (MHRD) Govt. of India has established MHRD Innovation Cell (MIC) to systematically foster the culture of Innovation among all Higher Education Institutions (HEIs). Our college reconstituted Institutions Innovation Council (IIC) for the session 2021-22 on 29/10/2021. Dr. S. H. Bagade, Head, Department of Physics was appointed as the President of the IIC. As per the guidelines of MHRD's innovation cell, various members and their responsibilities of the IIC were distributed as follows -

Sr. No.	Name of Member	Member Type (Teaching/ Non-teaching / External Expert)	Key Role/ Position assigned in IIC
1.	Dr. O. A. Mahodaya, Principal	Teaching	Head of the Institute
2.	Dr. S. H. Bagade	Teaching	President and ARIIA Coordinator
3.	Shri. Rjaykumar Dahake,	External Expert	External Member
4.	Shri. Ashok Saraf	External Expert	External Member
5.	Dr. Vikas Chandra Choudhary	External Expert	External Member
6.	Dr. P. V. Tekade	Teaching	Vice President and NIRF Coordinator
7.	Dr. Mrs. N. P. Mohabansi	Teaching	Convener of IIC
8.	Dr. D. D. Naik	Teaching	Innovation Activity Coordinator
9.	Dr. M. M. Yerpude	Teaching	Innovation Activity Member
10.	Dr. A. V. Nakhate	Teaching	Internship Activity Coordinator
11.	Shri. M. G. Ingale	Teaching	Internship Activity Member
12.	Dr. P. G. Borkar	Teaching	IPR activity coordinator
13.	Dr. Ms. B. V. Mohite	Teaching	IPR activity Member
14.	Shri. P. B. Bhoyar	Teaching	Social Media Coordinator
15.	Dr. A. A. Maheshwari	Teaching	Social Media Member

16.	Dr. S. R. Tiple	Teaching	Start up activity coordinator
17.	Dr. S. P. Biswas	Teaching	Start up activity Member
18.	Ms. Laxmi Baghel	Student	Member
19.	Ms. Sakshi kapase	Student	Member
20.	Mr. Ganesh Soni	Student	Member
21.	Ms. Mrunal P. Gandole	Student	Member
22.	Mr. Musharraf Yusuf Khan	Student	Member

The efforts taken by the colleges to inculcate the research and innovation culture during the session 2020-21 were evaluated by the MIC and on that basis Bajaj College of Science, Wardha was granted **"Two Stars"** ranking for their activities. Under the umbrella of IIC following programme were organized during the session 2021-22:

Sr. No.	S Title	Date	Head
1.	Field/Exposure Visit to Pre -incubation units such as Fab lab, Makers Space, Design Centres, City MSME clusters, workshops etc. Resource Persons - Dr.R.M.Aacharya, Mr.Kaushal Mishra.	18/11/2021	IIC Calendar Activity
2.	A Motivational Talk on "Katta Model: Doing Research Differently" Resource Person- Prof. Milind Watve, Professor of Biology IISER, Pune.	23/11/2021	Self-driven Activity
3.	One Day National Level e-Awareness Program on "Entrepreneurship and Start-up" Resource Persons - Mr. Ravikumar Kandasamy, Deputy Director, MGIRI , Wardha and Mr. H. D. Sinnur, Principal Scientific Officer, MGIRI-Wardha	1/12/2021	Self Driven Activity
4.	Start Up Proposal Idea Competition on theme: Integrated Development in Science and Technology for sustainable future	10/12/2021	Self Driven Activity

5.	My Story - Motivational Session by Successful Innovators. Resource Person: Dr. Rahul Suryawanshi, Research Scientist, Gladstone Virology Institute, San Francisco, California, United States.	14/12/2021	IIC Calendar Activity
6.	Innovative Idea/Concept Competition for Students	20/12/2021	Self Driven Activity
7.	Pre-incubation for new ideas via guidance session on job placement" Resource person : Mr. Stephen Dinakaran, Academic Interface Program, Human Resources, Tata Consultancy Services Ltd., Chennai Tamilnadu	21/01/2022	Self-driven Activity
8.	Orientation Session on IIC4.0 & Features Dr. Dipan Kumar Sahu, Assistant Innovation Director of MoE Innovation Cell was present as the distinguished Speaker	24/01/2022	MIC Driven Activity
9.	National Science Day- Webinar on "Raman Techniques in Science and Technology" Resource Person -Dr. Mangesh Diware, Research Associate, Department of Physics and Astronomy, Seoul National University, Seoul, South Korea,	28/02/2022	Celebration

Besides the above activities, our college was selected to host the Impact Lecture series by MIC. Under this scheme two sessions were conducted with each session having two lectures. The Impact Lecture Series-Session-I was held on 22nd September 2021 under which Prof. Sandeep A.Waghuley, Head Deptt. Of Physics SGB, Amravati University delivered a talk on Intellectual Property Rights(IPR) and in the second part Dr. Shikha Jain, Director IMDR, Pune delivered a talk on the topic -Entrepreneurship.

Similarly the Impact Lecture Series -Session 2 was held on 5th October 2021. In the first lecture Mr. Arvind Bhardwaj, Founder Minimines Cleantech Solutions, Nanomatrix materials and Arito- Parking and EV Stations, guided the participants on "Developing a Successful Start Up". In the second talk Dr. Ramakant Sharma, Post Doctoral Fellow, KAIST University, South Korea, spoke on "Emerging Innovations in Nano Electronics based Devices".

Members of IIC also attended the various online activities conducted by MHRD's Innovation Cell from time to time.

Dr. S. H. Bagade
President, IIC.

INFLIBNET N-LIST: An important e-resource to access scholarly content

-Mr. Praful Bhoyar, Librarian, BCS Wardha

Background

The Project entitled "National Library and Information Services Infrastructure for Scholarly Content (N-LIST)", being jointly executed by the e-ShodhSindhu Consortium, INFLIBNET Centre and the INDEST-AICTE Consortium, IIT Delhi provides for i) cross-subscription to e-resources subscribed by the two Consortia, i.e. subscription to INDEST-AICTE resources for universities and e-ShodhSindhu resources for technical institutions; and ii) access to selected e-resources to colleges. The N-LIST project provides access to e-resources to students, researchers and faculty from colleges and other beneficiary institutions through server(s) installed at the INFLIBNET Centre. The authorized users from colleges can now access e-resources and download articles required by them directly from the publisher's website once they are duly authenticated as authorized users through servers deployed at the INFLIBNET Centre.

N-LIST: Four Components

The project has four distinct components, i.e. i) to subscribe and provide access to selected e-ShodhSindhu e-resources to technical institutions (IITs, IISc, IISERs and NITs) and monitor its usage; ii) to subscribe and provide access to selected INDEST e-resources to selected universities and monitor its usage; iii) to subscribe and provide access of selected e-resources to Govt./ Govt.-aided colleges and monitor its usage; and iv) to act as a Monitoring Agency for colleges and evaluate, promote, impart training and monitor all activities involved in the process of providing effective and efficient access to e-resources to colleges.

The INDEST and UGC-INFONET are jointly responsible for activity listed at i) and ii) above. The INFLIBNET Centre, Gandhinagar is responsible for activities listed at iii) and iv) above. The INFLIBNET Centre is also responsible for developing and deploying appropriate software tools and techniques for authenticating authorized users.

Electronic Resources Subscribed under the N-LIST Programme

Beneficiary colleges, registered for the N-LIST, a college component of E-Shodh Sindhu, can access 6,150 electronic journals and 31,64,309 electronic books including e-books available through national subscription. Details of e-resources accessible through the INFLIBNET' sproxy server (<http://nlist.inflibnet.ac.in/>)areasfollows:

Sl. No.	E-resources	Publishing Country	No. of Journals	Back-files from
1	American Institute of Physics	USA	18	Ten yrs.
2	Annual Reviews	USA	33	Ten yrs.
3	Economic and Political Weekly (EPW)	India	1	1966+
4	Indian Journals	India	186	2007+
5	Institute of Physics	UK	46	Vol. 1+
6	JSTOR	USA	2500	Vol. 1+
7	Oxford University Press	UK	262	1996+
8	Royal Society of Chemistry	UK	29	Ten yrs.
9	H. W. Wilson	USA	3,075	1982+
	Total		6,150	

Electronic Books

Sl. No.	E-bookName	Publishing Country	Books
1	E-brary	USA	1,50,000+
2	Cambridge Books Online	UK	1,800
3	EBSCO Host -Net Library	USA	936
4	Hindustan Book Agency	India	65
5	Institute of South East Asian Studies (ISEAS) Books	India	382
6	Oxford Scholarship Online	UK	1,402
7	Springer eBooks	Germany	2,300
8	Taylor & Francise Books	UK	1,800
9	Myilibrary - Me Graw Hill	USA	1,124
10	Sage Publication eBooks	UK	1,000
11	Open Access (Net Library)		3,500
	Total		1,64,309+

E-Resources Available through National Subscription

Access to South Asia Archives (SAA) and World E-Book Library (WEL), subscribed by eShodh Sindhu on behalf of National Digital Library (NDL), are made available to member colleges of NLIST Programme through proxy server set up at INFLIBNET Centre.

Sr.No.	Name of Collection	No. of Titles
1	World Book Library	30,00,000+
2	South Asia Archive	4.5millionpages

How to Access Electronic Resources under N-LIST?

Follow the steps given below to create username and password for faculty members and students to access e-resources through N-LIST:

Login: Registered users can log on to NLIST home page for accessing NLIST e-resources. Users from registered colleges may contact their college administrator for creation of username and password

Access e-resources: once logged-in successfully, the list of resources subscribed under N-LIST are displayed. Users can click on the desired e-resources. For further help in search, browse or navigate articles/book chapters through publisher's website visit the "User Guide/Help" link from navigation bar and download user manual and tutorials

Searching Journals Titles and Books Covered and N-LIST:

Click on "Search" option on the navigation bar N-LIST Website to search journals covered under N-LIST. Enter name of journal /book or a subject term in text entry box and click on "Go". Search results will be displayed with link to full-text of journal (s)/ book (s) on publisher's Website



Request an Article: A Service for N-LIST Members

The INFLIBNET Centre provides Inter Library Loan (ILL) services for the benefit of users from colleges enrolled under the N-LIST. All faculty, staff and students from member colleges are welcomed to use this service and request journal articles and chapters from books that are not available through resources subscribed under the N-LIST. These requests for articles can be sent online using Online ILL Request Form available on the N-LIST website. This service is free of charge. Users are required to log-in with their user ID and password to request for articles using N-LIST ILL Service. The user's credentials for ILL request are the same that have been provided to the user in colleges for accessing N-LIST resources.

Current Status

As on **1st January 2020** a total number of 3,644 colleges have registered themselves with the N-LIST including Govt.-aided colleges covered under Sections 12(B) and 2(f) of UGC Act as well as non-aided colleges. All e-resources subscribed for colleges under the N-LIST are now accessible to these colleges through N-LIST website (<http://nlist.inflibnet.ac.in>). Total no. of current registered users is 5.43 lakhs.

Training and Support

The INFLIBNET Centre conducts user awareness and training programmes in various universities to generate awareness regarding availability of e-resources to colleges under the N-LIST. Besides, universities are also being encouraged to conduct tutorial for e-resources covered under the N-LIST.

Advantages of N-List:

Remote access to e-resources with User Id and password.

Ambitious programme extending e-resources to colleges at affordable cost Provides multiple access of 24 hours a day and 7 days a week With facility for advance online publication, research papers are available online two months ahead of the print version.

Department of Library and Information Sc.

Dr. Damale Library

During the reporting year college has added 1191 books in the library collection. Total collection of libraries is now 43440 In addition to books library is receiving 31 science journals including 3 international journals and 19 general periodicals. This helps students / faculty in acquiring the knowledge to keep pace with recent developments in their subject areas. Students are also benefited to prepare for various competitive examinations.

In addition, library is subscribing 13 daily newspapers, out of which 8 are in Marathi, 3 are in English and 2 are in Hindi.

Students are regularly issuing the books for home reading. Approximately 150+ transactions are carried out from Issue-Return Counter daily.

There is a spacious reading room for students, faculty and staff. At a time about 150 students are sitting in the reading room and benefited by library services and collection. Reading room has a precious collection of reference books, text books, competitive exam books, previous years board/university question papers, bound volumes of journals and other reading materials. One attendant is continuously available in reading room for providing services and assistance to the users.

Library has a dedicated SERVER to carry out automation activity. Our library is fully computerized and all services are provided in automated environment. This has helped in saving the time of users and hence became user friendly.

Library is having internet connectivity in 12 computers. Students and faculty are using it to its fullest extent in updating and supplementing their knowledge. Library is also having reprographic facilities for the benefit of students, faculty and staff. and 50" LED smart TV for educational purpose for students and faculty.

College is a member of Consortia **INFLIBNET N-LIST** Program. The program provides access to more than 5000+ e-journals and more than 1,19,000+ e-books. User ID and passwords are provided to our users to access e-resources available there in from any location.

Fire extinguishers and CCTV surveillance has been provided in the library for safety and security.

Mr. P. B. Bhoyar
Librarian

Report of Microbiology Department

Session 2021-22

Online guest lecture on "Statistical Evaluation of Corona Vaccination Related Data" by Dr. Sanjeev Patankar, Ex Principal, SS Jaiswal College, Arjunimor, Dist. Gondia and President, MSI, Maharashtra and Goa region was arranged by PG Department of Microbiology in collaboration with R. A. Arts, Shri M. K. Commerce & S. R. Rathi Science Mahavidyalaya, Washim and Microbiologist Society India(MSI) on 27th May 2021 at 10.00 am. PG Microbiology students prepared videos on various topics like Hand sanitization, Vaccination and Mucormycosis for COVID 19 awareness. Students prepared digital banners and videos about the use and significance of hand sanitization, prevention of COVID 19 by vaccination and danger and prevention of Mucormycosis. The survey on awareness on Corona vaccination for Wardha district ([https:// forms.gle /1PR4v8eeir2XP4qu8](https://forms.gle/1PR4v8eeir2XP4qu8)) was carried out by PG students as their M.Sc. Dissertation.

Intercollegiate Online quiz on the Occasion of "Death Anniversary of Antony van Leeuwenhoek and Paul Ehrlich" was organized on 27th August 2021 at 4.00 pm. The World Hepatitis Day was celebrated on 28/07/2021, by PG Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu from 27/07/2021 to 01/08/2021. Total 52 students participated in "World Hepatitis Day Awareness Quiz on Viral Hepatitis"

"Intercollegiate online poster competition on creating awareness about COVID-19" organized by Department of Microbiology, Sathaye College, Mumbai in association with Microbiologists Society, India. **Ms. Javeria Qureshi** from BSc Sem V got the second prize for the poster on topic "Impact of COVID -19 on mode of education" She got cash prize of 500 Rs. and certificate of award. The guest lecture was arranged by department of Microbiology on "**Carrier growth, Opportunities in Clinical Research**" on 22nd November 2021. Ms. Pooja Hiware and Ms. Shivani Balapure from Indian Institute of Clinical Research and Management (IIRM), Nagpur addressed the students about the introduction to clinical research, career and job opportunities.

"Inter-University Essay Competition on Start Up and Entrepreneurship" was organized on 30th September 2021. Total 14 students have participated in the event from various college like Rajiv Gandhi Institute of Technology and Biotechnology, Pune, Hpt arts and ryk science college, Nashik, Modern college Ganeshkhind Pune. Inter-University Scientific Rangoli Competition For Under Graduate Students was organized in Collaboration with MSI, on 29 September 2021. Total 34 students have participated in the event from various colleges to mention a few, Rajaram College, Kolhapur, K KWagh Collge, Nashik, Yogehswari Mahavidyalaya, Ambejogai, V.P.M's Bandokar Collge of Science, Thane.

Motivational Talk by Successful Innovator was jointly organized by Department of Microbiology and Institution Innovation Council (IIC) of the College, on Tuesday 14th December 2021. The speaker of the event was Dr. Rahul Suryawanshi, Research Scientist, Gladstone Virology Institute, San Francisco, California, United States.

The Microbiology Biotechnology Society Student Unit for the session 2020-21 has been inaugurated online on 1st February 2022. On this Occasion Dr. Rahul Bhojar, Project Scientist, CSIR Institute of Genomics and Integrative Biology, New Delhi delivered a guest lecture on the topic "Next generation sequencing : A vital Tool in disease diagnosis and Pandemic Management"

Online Poster competition on the occasion of World Leprosy Day, on the Theme "**Towards Zero Leprosy**" was organized in collaboration with MSI on 30th January 2022. The winners were Ms. Nishad Manoj Desai, Smt C.H.M. College, Mumbai (First Prize), Moumita Mondal, Ballygunge Science College, University of Calcutta (Second Prize), Ansari Sarwari Khatoon Mohammad Qasim, Smt C.H.M. College, Mumbai (Third Prize).

"**Best student award**" from MSI given to Ms. Yuktibhatkar (BSc Final Year) & Ms. Harshada Sontakke (Msc. Final Year Microbiology) for the session 2020-21. Principal Dr. Mahodaya, HOD Dr. Mrs. S. S. Khandare and all faculty members of the microbiology department congratulate the students for their achievement. Innovative Idea/concept competition 2021 was organized by Research Promotion committee of the College. 03 students have been awarded with prizes. First prize awarded to Mr. Diptiraghvan (Bsc Sem III) and Ms. Isha Deshmukh (Msc Sem III) and Second prize to Ms. Sonali Hete (Msc Sem III)

Student Achievement

Selection of Ms. Ayanti Barua for SAARC countries' scholarship

Ms. Ayanti Barua, Bsc III Microbiology has been selected for the **SAARC countries' scholarship** to pursue postgraduate degree in Biotechnology at South Asian University, New Delhi. **Students Qualifying NET-SET & Other Competitive Examination in 2021-22**

Sr. No.	Name of the Student	Class	Exam Qualified	Rank	Qualifying Year
3	Aditya V. Bhaskarwar	M.Sc Microbiology	GATE 2022	All India Rank 6716	2021-22
4	Aditya V. Bhaskarwar	M.Sc Microbiology	NET-LS	All India Rank 84	2021-22
5	Ayushi D. Chaudhari	M.Sc Microbiology	NET-JRF	All India Rank 188	2021-22
6	Shreya N. Patil	B.Sc Microbiology	IIT-JAM (Biotechnology)	All India Rank 3173	2021-22
7	Tejas Dhepe	B.Sc Microbiology	IIT-JAM (Biotechnology)	All India Rank	2021-22

Faculty: Dr. Mrs. S. S. Khandare-Guest Lectures

1. Delivered Guest Lecture on **National Education Policy** at state level Education Conference organized by Maharashtra English school trustees' association (MESTA) at BapuKuti Sewagram on dated 5 and 6 th March 2022.

2. Guest lecture on "Techniques in Molecular Biology: Blotting Methods" at Dada RamchandBakhru Sindhu Mahavidyalaya, Nagpur by virtual mode on 15th March 2022.

3. As per the directions given by Govt. of India, Ministry of Women and child development, PoshanPandharwada is celebrated by NSS Unit of College. Guest Lecture is delivered on 4th April 2022 on Awareness on local and affordable Nutritious Food Items.

Dr. B. V Mohite

Delivered guest lecture on Basics of Virology (Online) at School of Life Sciences, KBC North Maharashtra University, Jalgaon on 22/01/22.

Papers published in Journal/Conf. Proceedings, Conf. Seminars attended, Book/Chapter in edited volume

Dr. Mrs. S. S. Khandare published 1 paper in journal, 1 Conference attended, 1 paper presented in seminar, 1 book chapter in edited volume, Dr Mrs. Malode presented 1 paper in conference and attended 2 conferences, Shri. Ingle published 1 paper in journal, 1 Conference attended, 1 paper presented in seminar, 1 book chapter in edited volume, Dr Mohite published 4 papers in Conf. proceedings, 6 Conference attended, 2 paper presented in seminar, 7 book chapters in edited volume.

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

SENIOR COLLEGE SPORTS REPORT 2021-22

In the session 2021-22, following Senior College Teams participated in Rashtrasant Tukdoji Maharaj Nagpur University Tournament & State Championship.

MEN TEAM PARTICIPATE :

1. Karate	2. Athletics	3. Judo	4. Chess
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WOMEN TEAM PARTICIPATE :

1. Karate			
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MEN & WOMEN PLAYER PARTICIPATE IN TRIAL:

1. Ball Badminton	2. Handball	3. Sepak Takraw	4. Softball
5. Judo	6. Wushu	7. Chess	8. Baseball
9. Athletics	10. Volleyball	11. Yogasan	12. Badminton
13. Cricket			

Department of Biotechnology Report for Magazine

Department of Biotechnology, Bajaj College of Sciences, Wardha organized "Online Departmental Seminar Competition" on UG Biotechnology Curriculum of Sem III and Sem V on 5th September 2021, under the guidance of Dr. Om Mahodaya, Principal, Bajaj College of science, Wardha. The competition was organized and Co-ordinated by Dr. Mrs. U.A.Malode-Bidwai Co-ordinator of Department of Biotechnology and faculties Dr. Kunal A. Kale and Miss. Komal Dhumane. Total 24 students were participated in Seminar Competition from B.Sc. IIIrd and Vth semester. Participant's videos were evaluated by committee of jury. The members of jury committee were Dr. Y. S. Patil (Asst. Prof. Dept. of Microbiology, DM. Burungale Science and Arts College, Shegaon) and Dr. Pranita Gulhane (PG Department of Microbiology, Shri. Shivaji Science College, Nagpur). Winners of first, second and third prizes were Aniket Vitalkar, Aishwarya Chandankhede and Angha Makode from BSc. Semester III and from B.Sc. Semester V winners were Shweta Magar, Krutika Panbude and Akshit Chamke. The objective of Competition was, to boost up students confidences and motivated students for participation in co-curricular and extracurricular activity.

Department of Biotechnology, Bajaj College of Sciences, Wardha .Organized lecture on "How to Prepare effective e-Poster and Abstract " by Dr. Kunal A. Kale, on 25th October 2021 for B.Sc. IInd and IIIrd year Biotechnology students. The lecture was coordinated by Dr. Mrs. U.A.Malode-Bidwai, Co-ordinator, Department of Biotechnology and faculty Miss. Komal Dhumane. Total 51 students participated (19 online and 32 offline). The objective of lecture was to increase the understanding of student regarding Designing of scientific poster and Scientific Poster presentation.

Mr. Atharva Bhingare won Second Prize in "Innovative Idea /Concept competition for student organized by research promotion cell, Bajaj College of Science, Wardha on 20th November, 2021.

Mr. Laukik Thakre participated and won First Prize in Online National Level Essay Writing Competition organized by Cultural Committee, Bajaj College of Science, Wardha on the occasion of "International Youth Day" on 12th January 2022.

Miss. Rimzim Ravindra Karode, won First Prize in Online National Level Solo Dance Competition organized by Cultural Committee, Bajaj College of Science, Wardha to commemorate, 73rd Republic Day "Azadi ka Amrit Mahotsav on 26th January 2022.

Ten students of Biotechnology dept successfully completed 15 days online certificate course and internship programme on "Computer Aided Drug and Vaccine Design" organized by Institute of Innovation Triuvannamalai, Tamilnadu, India held from 29th January to 12th February 2022.

Ms. Sanskruti Datey was selected in RTM Nagpur University "Ball badminton Team" and represented University for "All India Level Competition held during 15th to 23rd February, 2022 at Chengalpattu, Tamil Nadu, India.

Ms. Sakshi Thakare was selected in RTM University, Nagpur - Hand Ball Team and represent Nagpur University in Universities Zonal Competition of Hand boll" held at Jaipur, Rajasthan on 25th to 14th March 2022.

Ms. Javeria Qureshi was selected in RTM Nagpur University "Sepaktakraw Team" and represented university for "All India Level Competition held during 20th to 28th February, 2022 at MJP Rohlikhand University, Bareilly.

On the occasion of National Science Day 2022, Department of Microbiology and Computer Science of Dharampeth M.P. Deo Memorial Science College, Nagpur organized video making competition on 2nd March 2022. Sanika Golait got 2nd prize for "Radioactive Waste Management " and Aniket Vitalkar got consolation prize for "Strategies for Sustainable Agriculture Waste" that they get felicitated by Principal Dr. Om Mahodaya. Theme of the competition was "Integrated approach in Science and Technology for sustainable future". For this competition eight students were participated under the able guidance of Co-ordinator Dr. U A. Malode and Dr. K A. Kale from Department of Biotechnology, Bajaj College of Science, Wardha.

Department of Biotechnology and Microbiology in association with Microbiologist Society of India (MSI) has Inaugurated "Microbiology Biotechnology Society students Unit" on 1st February 2022 by the hand of Dr. A.M. Deshmukh President Microbiology Society, India, in presences of Principal, Dr. Om Mahodaya, Dr. Sanjeev Patankar, President, Microbiologist Society, Maharashtra-Goa Region. Followed by guest lecture on "Next Generation Sequencing: A vital tool in disease diagnosis and pandemic management" by Dr. Rahul C. Bhojar, Project Scientist, CSIR, institute of genomics and integrative Biology, New Delhi. Total 95 students and faculties of departments benefited with this lecture.

Miss. Bhargavi Deshpande from Dept. of Biotechnology participated in Online University Level Intercollegiate Speech Competition on Topic: Swami Vivekanand- Youth Inspiration on 16th April 2022 organized by Student Council of Randhirsingh Bhadoriya Mahavidyalaya, Umred.

Population Education Club (PEC) Report

A total of 38 students were registered for the program.
following activities were carried out in sessions 2021-22

- Tree plantation program was organized on 14/08/2021 in life sciences premises.
- A cleanliness drive was organized by PEC students on 23/12/2021 in the life sciences complex.

Department of Zoology

In the session 2021-22 a variety of activities were conducted by the Department of Zoology under the banner of Zoological Society. The session started with "Online Workshop and Lecture" event, which was organized from 8th June to 16th June, 2021. During the pandemic situation, when the college laboratory was not accessible by the students, an approach was taken by the Department of Zoology to organize an online workshop and lectures event for the students of Bajaj College of Science. In this activity, two guest lectures and a workshop was organized for the UG and PG students of the Biological stream of the college. The event was inaugurated by the lecture of Dr. Jayant Biswas, Director National Cave Research and Protection Organization. He delivered a talk on "Prospective and Challenges in the Studies of Cave Science". This was followed by a three day online workshop conducted by Ms. Kiran Yadav and Ms. Batul Pipewala from CUBE, HBCSE, TIFR. The workshop was on Isolation of soil nematodes from soil sample on a raw potato surface in Home labs and How to study the life cycle of an insect in a Home Lab. The event ended with a lecture by Dr. R. P. Chondekar, Associate Professor, BAMU, Aurangabad. He delivered a talk on "Memory basics". The online workshop and lectures encouraged the students to know about different scientific domains and improve their thinking abilities. Through the online workshop students learned how to culture and maintain life cycles of insects in their home labs as well as how to isolate nematodes from soil. These activities had enhanced the scientific approach and thinking of the students.

On 28th September, 2021 an online lecture was organized for the UG and PG students of the college. The lecture was delivered by Dr. Rahul Bhojar, IGIB, New Delhi. He delivered a talk on "Next Generation sequencing". Dr. Bhojar is an alumnus of our college and the students interacted with him and he also talked about the opportunities in research for BSc and MSc students.

On the occasion of World wildlife week, a joint online lecture was organized by Department of Zoology and Department of Botany on 4th October, 2021. In this event a lecture was delivered by Dr. Jayant Wadkar. He talked about "Importance of owl in ecosystem". He presented beautiful images and gave interesting facts about owls and related wild life.

An online guest lecture by Dr. Archana Mahakalkar, Assistant Professor, Institute of Forensic Science, Nagpur has been organized on 12th February, 2022. She discussed about Forensic Biology and introduced the concept of Forensic Biology to the students. The participants enjoyed the lecture and were much benefited from it.

On the occasion of National Science Day, Model, Poster and Rangoli competition was conducted. About 50 students had participated in the program. The students showcased many scientific models and made beautiful Rangoli to celebrate the occasion. The competition was judged by various teachers of the college. The winners as well as the participants were awarded with certificates. Guest lecture by Dr. Archana Mahakalkar Zoological society, Department of Zoology, Bajaj College of Science jointly with alumni association GVISH, Amravati organized "Biogenius State level competition for Life Science Students" on March 28th, 2022 scheduled from 12:00 noon to 1:15 p.m. Total 70 students of UG and PG from various biology departments participated. This competition prepares students for competitive examination.

Mr. Dilip Raghvan from B.Sc. II year and Kajal Saharkar from M.Sc. II year scored highest marks among UG and PG category.

Department of Mathematics Report for Magazine 2021-22

The first batch for M.Sc. in Mathematics will pass out this session. The faculty took out-all efforts in teaching to provide the best possible learning experience for the students. The department celebrated National Mathematics Day- Dr. S.D. Katore, Prof. and Head PGTD of mathematics, SGBAU, Amravati being the chief guest. The programme was chaired by Hon'ble Shri. Sanjay Bhargava, Chairman, Shiksha Mandal. A guest lecture by Dr. S.B. Sarwe, SFS college Nagpur was organised for M.Sc. students. The faculty prepared video lectures to facilitate online teaching.

Dr. S. S. Zade
HOD Maths

Report National Cadet Corps (NCC)

In the session 2021-2022, 52 cadets were enrolled in 21 MAH BN NCC, Wardha. Cadets were taught military subjects, civil defence, first-aid, etc. In the session, 23 cadets attended CATC - 611 Cadet camp at Bajaj College of Science and 6 Cadets attended CATC - 612 Cadet camp at G.S. Commerce College, Wardha. One Cadet attended Basic Leadership Camp at Nagpur. 2 Cadets attended Army Attachment Camp at Kirkee, Pune. This year the Cadet of NCC, Master Lucky Ali has been selected in Indian Army as an officer.

The activities like International Yoga Day, Swachh Bharat Abhiyaan, Tree Plantation, Tribute Rally of CDS General Bipin Rawat, Army Day Celebration, Punit Sagar Abhiyan Debate Competition in College. College campus cleanliness activities were also undertaken gracefully. For conducting all the activities throughout the year, our Principal Dr. Om Mahodaya and Commanding Officer of 21 MAH BN NCC, Wardha helped and inspired all the cadets and officer.

Lt. Rajesh Damhare
NCC Officer