



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

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SUSTAINABLE DEVELOPMENT

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ENVIRONMENTAL CONSCIOUSNESS THE DEBT WE OWE

"The things of nature do not really belong to us; we should leave them to our children as we have received them. For, we do not inherit the earth from our ancestors; we borrow it from our children"

-K. SHARATCHANDRAN (MA Final Year)

The above quote is often attributed to the Irish poet and world-famous playwright, Oscar Wilde, one of the defining faces of the Victorian period of English Literature. As students of literature, we have often been taught about the significance of the era that preceded Mr. Wilde's time, the Romantic era. Romantic poets wrote about nature, imagination, and individuality in England. Simultaneously, their North American brethren observed a new movement called Transcendentalism. Followers of this movement had deep gratitude and appreciation for nature, not only for aesthetic purposes but also as a tool to observe and understand the structured inner workings of the natural world.

Alas, the real world is very different from the magical "*every-frame-a-painting*" image that is drawn by esteemed poets, authors, and playwrights.

Poetries composed during the peak of the romantic and transcendental era describe one's connection with nature the way 21st-century gentry has rarely ever experienced, hence highly unrelatable. It is almost dystopian that we have to "get away" from the daily pollution to a desolate and quiet place where we can even breathe properly. The real world has observed quite a few uncharacteristic changes in the last decade when it comes to the weather, the availability of natural resources, and overall ease of living standards. The mushrooming of multi-billion-dollar conglomerates around the world has caused our natural cover to recede at a dangerously high rate.

We have observed something of a similar sort in the past with the depletion of the ozone layer, which thrust into action the Montreal Protocol of 1987. Scientists around the globe noted that they expected the ozone layer to fully heal sometime between 2040 and 2070. Earth is currently experiencing a host of environmental problems. Air and water pollution continue to plague much of the world; exotic plants, animals, and other organisms pop up in parts of the globe that have no natural defence against them; and, all the while, climate change lingers in the headlines. It's often difficult to find good environmental news. Human activities affect climate, and a consensus of scientists is certain that the impact of these activities is playing an ever-greater role in determining what form, Earth's climate will take.

Some 97 percent of scientists involved in climate research agree that it is extremely likely that much of the warming observed since the early 1900s has resulted from human activities. Earth's global and regional climates are changing rapidly, much faster than they would if it was purely driven by natural forces. As a result, an increasing number of scientists wonder if global and regional climates are changing too quickly to adapt and survive for many forms of life.

While we sit back and enjoy technical and scientific marvels that upgrade our standard of living, it costs us much heavier than the red debit line of our bank accounts. In the pursuit of a comfortable today, we have let go of an unproblematic tomorrow. Global studies documenting human ecological footprint, the decline in wildlife populations, and the conversion rates of natural ecosystems for other uses, place India among countries experiencing the highest rates of negative change.

This increases our vulnerability to catastrophes, including pandemics, something which we are already going through. Additionally, there is a strong correlation between human density, the richness of biodiversity, and the emergence of zoonotic pathogens of wild origin, which renders India particularly vulnerable. With high human densities — among the highest diversity of mammals in the world — and a saturated interface between humans and wildlife, India is among the hotspots for zoonotic emerging and re-emerging infectious diseases.

The grave risks faced by the world because of the failure of economics to consider the rapid degradation of nature are highlighted in *The Economics of Biodiversity: The Dasgupta Review*, commissioned by HM Treasury, released on February 2, 2021. The review stresses the need to find new measures for growth and development to avoid a catastrophic breakdown. The world's governments need to come up with a form of

national accounting that is different from the GDP model, and the new system must account for the depletion of nature and natural resources.

Surface level temporary reforms are pointless as we reach a point of no return in saving the environment. The stakes are higher than ever and what lies in balance is not the future of the country, but also the entire world. We must take the initiative to ensure that we leave the planet we love so much to our future generations in a condition where they focus solely on improving the conditions of humanity rather than work on undoing the mess we have made in our ignorant pursuit of progress.

THE MISSION

-KHUSHI VERMA (BA Final Year)

Look at you, at what you've done

Raped the rainforest, tainted the terra firm Infecting
whole realms with waste and toxins

Pesticides, fungicides, insecticides buried deep Inside the once flawless earth and all we eat

Look at you, at what you've done

Massacred the marine, oiled the oceans with thick,
asphyxiating black suffocation Plastic,
batteries, cigarette filters are all a catch
For the so-called 'Great Pacific waste patch'

Look at you, at what you've done

Occluded the ozone, strangled the stratosphere
Shooting missiles through a bygone, pure atmosphere
Polluting the oxygen with aerosol cans causes holes
Unbalancing evolution with heat, melting the poles.

Look what you, at what you've done.

I am rampant with rage, determined with destruction I have
stormed across galaxies, consumed all in my way
I have smashed through stars and murdered moons

My very existence brings impending doom

Look at you, at what you've done

I've erased this earth before, I've advertised Armageddon
But your arrogance, your egotism, your lack of respect
You have insulted nature. You have pillaged and robbed
And stood right by as continents have sobbed.

Look at you, at what you have done

I'm absorbed with anger, I'm insane with indignation

I've shown you before, remember? I'll show you again

When my mighty tail streaks across the sky, my flaming hot face,

Will be the last thing that you see as a whole human race.

When my mission is over and done,

I will return from whence I come.

SUSTAINABLE DEVELOPMENT

-MANSI SHARMA (BA 3rd year)

To attain, the utmost gain,

Just sustain and maintain,

The resources in the envelope,

That is keen to develop.

To gain in the reign,

We must maintain the stain,

The stains of overuse (of the resources),

So that we won't defuse.

Renewable is the resources

That needs some sources

Ecological, economic, and human

These are the compounds

Truly as magical as they sound.

With its consideration,

There will be celebrations,

End of poverty, protection of the planet,

It will attract peace and prosperity, like a
magnet.

To sustain and be able,

To live with dignity and label,

We should dwell in a way

Where Sustainable development lay.

TO PERSPECTIVES

-PRASHASTI SHRIVASTAVA (BA-2nd Year)

Everything that surrounds us, has the potential to grow, to grow into something big something connecting the roots. Sustainable development is that element of life that will outlast the world to a greater

potential extent. I feel something is very consoling about, being in the midway of anything, be it a day, a month, a year, or life. It is that you know you've come far from where you started but you don't know how this is going to end. You don't want to gallop the moments but, just perceive them. We're all in the middle of something right now, Cherishing. Because like everything else, even in the middle, is it walking towards its end, one step at a time. If we do not notice the greed and the overuse of resources being used beyond limits, we as humans will cause our own downfall; with no leaves left to rustle or birds to shriek.

Switching, Planning, Adapting, and Nurturing each other with the right thought will not only bring us a glimpse of, the beauty, the portrayal of love that the earth beholds. But to the reality of the treasures, of the innate wealth and richness stored within the Earth.

The process might be uncomfortable and painful at times, but we will all be a part of this progress towards a better future. Just the way we hold our bodies tight against harm and hope alike, we must protect this Earth. Saving and sustainably using the available treasure of resources that the Earth offers we might build a world rich in treasury for our future generation. Cause our hearts never stop wishing and wanting.

SUSTAINABLE DEVELOPMENT

Optimism is a faith that can lead to achievement, nothing else can be done without hope and confidence.

Helen Keller

- YASMEEN AMEEN KHAN (B.A. 2ND YEAR).

Sustainable development is a development that meets the needs of a present without compromising the ability of future generations to meet their own needs. But what does that mean? Everyone understands the need to grow the economy of a country for development takes into account the negative that unbalanced economic growth can have on the environment and on people's well-being. To bring changes, we have to look at things in a different other way and for this, the sustainable development, goals will help. Sustainable development is not concerned with only a particular group or people but it's about improving the lives of everyone, everywhere, and achieving it together. But for that pre-requisitely – we want economies to grow companies to thrive and people to have jobs and earn a decent income, to create innovative technologies without harming the environment, to have access to good and nutritious food regardless of where they live, and also good quality education is the most important thing today and for all. For sustainable development we always have to keep three things in mind- *The Amount of Social Progress, Economic Development, and Climate and Environment*. We also have to take care of our planet. Almost everything we develop, buy, or trade starts with nature. A football is a good example, it travels far before it reaches the football player, i.e., firstly materials are purchased then the logo is printed then the third party uses it all together. One single football sees the whole world before it reaches its goal. This journey ties us together.

GOALS FOR SUSTAINABLE DEVELOPMENT

ADITI DAS (BA 2nd Year)

Sustainable development is the skilful balance of meeting our own needs without jeopardizing future generations' ability to do the same. Preservation of the Environment, promotion of sustainable development, and particular attention to climate change are matters of grave concern for the entire human family. Scientific researches demonstrate that the impact of our actions in one place or region can have worldwide effects as in the case of global warming, that is why raising awareness and encouraging people to save our environment is very important. Globally, many initiatives have been taken into account for sustainable development. In 2013, The General Assembly of the UN has set up a 30 member Open working group to develop a proposal on the Sustainable Development Goals (SDGs), this process culminated in the subsequent adoption of the 2030 agenda for Sustainable development, to ensure a balanced, sustainable and inclusive development of the planet with 17 Sustainable Development Goals by the United Nations Sustainable development Summit in September 2015; which provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. The 17 Sustainable development Goals adopted by the UN are as follows:

- 1) No poverty
- 2) Zero hunger
- 3) Good health and well being
- 4) Quality education
- 5) Clean water and sanitation
- 6) Affordable and clean energy
- 7) Responsible consumption and production
- 8) Climate action
- 9) Life below water and above land
- 10) Peace and strong institutions

Basic sciences also have an important contribution to make to the implementation of this program. It provides the essential means to meet crucial challenges such as universal access to food, energy, and health coverage. It also enables us to understand the impact of the currently nearly 8 billion people on the planet and to act to limit and reduce the depletion of the ozone layer, climate change, depletion of natural resources, extinction of living species, etc. Keeping this in mind, On 2 December 2021, The General assembly of the United Nations invited all its member states and organisations of the United Nations to observe and raise awareness of the importance of basic sciences in sustainable development. It was approved by a consensus and a resolution that promulgates 2022 as the **international year of basic Sciences and Development** which is developed on the basic themes like Strengthening, the presence and the visibility of women, Basic Science act as sources of international dialogue and peace, Science as a global public good, innovation, and economic development education and human development, and meeting global challenges. It encourages exchanges between scientists and all categories of stakeholders, whether from grassroots communities or political decision-makers and international leaders, as well as associations, students, and local authorities. Even a single contribution makes a huge difference. It is our responsibility to save the environment and the resources for

future generations. So, choose wisely whether you want to contribute in achieving these goals or only want to watch and read about these.

SUSTAINABLE DEVELOPMENT

ANAMIKA SHARMA (BA 3rd Year)

I wish for the world to be full of riches

I wish for everyone to eat fully cooked dishes

I wish for the death rate to go down to zero

I wish for everyone to know teachers are the true heroes

I wish for boys and girls to play together

I wish for polluted water to be vanquished forever

I wish for the lightbulbs to aglow in every house

I wish for people to work and upgrade their house

I wish for the three I's to come true

I wish for equal rights for me and you

I wish cities would stay afloat

I wish people wouldn't throw away what they could grow

I wish for the ozone layer to become whole again

I wish the fishes to find their home again I

wish the animals to live in peace

I wish wars were absent and innocents were free

I wish for all of us to be one

Then all inequalities shall be undone.

FEASIBLE LIVING

ANURODH KUMAR (BA 2nd Year)

Life in 2022 stipulates that we are to become extinct soon. If we don't alter our lifestyle, every step that we take today is the future that we are creating for our upcoming generations. We all live a lavish life, some are enthusiasts of food, some are passionate about clothing, some are merely living on beverages alone, some are just living to earn and spend, etc.; But no one is concerned about the ways we undertake.

Lifestyle is the reason for the **NOXIOUS** future about to come due to the current oblivious decisions we as humans are taking to live a lavish life.

We are just focused on living alone without being conscious of the demerits we might bring to our future. Our decisions are deceived by our selfishness. Being selfish is a natural human behavior, yet it depends on what we choose, being selfish or being the one to make the change in creating better life on this planet.

Firstly, we have to understand the truth behind a sincere living. We all are humans and are living on this planet earth which is our homeland and we cannot be cruel to ourselves and destroy the place that we are living in. Even a small step can make a change. We are the only reason for our planet's current condition, a change in our small habits can make a big difference.

-The current **population** of our country is 1.4 billion. It's huge! Now population growth, affects virtually all development objectives. Such as consumption, production, employment, income distribution, access to health, education, sanitation, water, electricity, and food. It creates pressure on the resources- Water, forest, land, atmosphere.

Hence a small step of limiting the population and having one or two children at most can help us maintain less optimum density which can in return maintain the balance between resources and the development factors to ensure the wellness and health of the environment.

-**Education** helps us to understand the need of being sincere and concerned about our living, this year has been regarded as the year of sustainable development. Being a part of this change we could promote sustainable development by just leading life as an example for others to learn from us.

Creating awareness through seminars, social media, posters, and articles on sustainable development is another way to provide quality education.

-We must ensure **optimum use** of available resources. By taking steps like.

Being a member of the family, you can ask for a simple contribution from people in your family to switch off the light when they exit the room, to turn off the tap tightly when it is used, etc. Less is the consumption - Less will be the production - Less will be the pollution.

You can make sure to consume the required amount of food and many hungry stomachs can be fed. In this way, we are meeting the optimum usage and preserving the excess. These were some of the ways discussed that when pursued can help in promoting sustainable development.

COLLEGE DIARY

JANUARY 2022

- 3rd to 7th January: The College team participated in Cricket (Men) tournament and was the runner up.
- 4th January: NSS unit organized an expert talk on 'Combat Gender Equality'
- 3rd - 4th January: The ED cell, Department of Commerce in collaboration with Jabalpur Incubation Center had organized a 2 days Entrepreneurship Boot camp and Pitching Expo for College Students.
- 6th to 7th January: The College team participated in Handball (Men) and Handball (Women). The Women team was the runner up.
- 7th - 10th January: The cultural Youth Fest (Inter College) was conducted.

Solo classical dance-Pranjali Verulkar (1st Position)

Quiz- Robin Singh, Ashutosh Singh (1st Position)

Solo song-Pratham Kushwaha (1st Position)

Mimicry- Harsh Soni (1st Position)

- 10th January: The department of Hindi celebrated Vishwa Hindi diwas
- 10th January: The department of Botany conducted a Certificate course on ‘Mushroom Cultivation’
- 11th - 25th January: M.Sc., M. A, and [M. Com](#) I and III Semester Examination was conducted.
- 12th January: The department of Economics celebrated Swami Vivekananda Jayanti
- 14th January: The department of English conducted a guest lecture on ‘Career Opportunity in Management’.
- 15th January: The department of Political Science under the banner of electoral literacy club conducted an awareness drive and an essay writing competition.
- 15th January: The Placement cell in association with NIIT conducted webinar for students on ‘Career opportunities in Banking & Financial Services’
- 17th January- 17th February: The department of Zoology organized one month certificate course in Innovative Zoological practices sponsored by DBT Star College Scheme
- 20th January: The department of English organized Movie screening for the BA III Year Literature students.
- 21st-23rd January: The ED Cell organized ‘Entrepreneurship Awareness Programme and Best Innovation Business Idea Competition’.
- 22nd January: The DIC in collaboration with department of Botany organized a workshop on “Hydroponic: practices & benefits”.
- 24th January: The Department of Management organized a webinar on ‘Career Avenues in Digital Marketing’ in collaboration with Jaipuriya Institute of Management, Indore.
- 25th January: The department of Political Science organized an Online Speech, slogan and Pledge ceremony on the occasion of National Voter’s Day.
- 26th January: Hoisting of the National flag by Rev. Dr. G. Vazhan Arasu (Principal) on the occasion of Republic Day
- 28th - 29th January: The College team participated in Kho-Kho (Women) tournament.
- 28th January: The department of English organized a Value-Added Course on Proficiency in English-LSRW
- 31st January: The department of Computer Science organized a Value-Added Course on ‘Python’.

FEBRUARY 2022

- 1st February: The department of Zoology organized a one-day seminar on the topic “Vermicomposting as an Eco tool in Sustainable Solid Waste Management” sponsored by DBT Star College Scheme
- 3rd February: The department of Computer Science conducted a Skill enhancement program on "AI and its Application”
- 4th February: The Department of Biotechnology organized a guest lecture on ‘Recent Trends in Breast Cancer Research’ by Ms. Pallavi Kulkarni, AIIMS, Bhopal
- 5th – 21st February: The Department of Chemistry conducted a Certificate course on “Instrumentation and Analytical Techniques”
- 5th February: BSS Institute of advance studies organized by BIZZABO inter college event

Group song -1st position

Solo song- Pratham Kushwaha (1st Position)

Group Dance -1st Position

Ranglahari- Runner up

- 5th February: Meeting of the Principal with the Deans and Heads.
- 5th February: The department of Management organized a guest lecture on ‘Resume Building’
- 5th February: The department of Commerce conducted a Budget panel discussion
- 7th February: Meeting of the Principal with the Heads on Star college Scheme by DST
- 7th February: The department of Zoology in collaboration with Red Ribbon Club organized “Cancer Awareness Program” and Quiz competition in Saraswati Higher Secondary School Garha Phatak, Jabalpur.
- 8th February: The College team participated in Kho-Kho Inter district (Men/women) tournament and Jabalpur (Men/women) in which Jabalpur was the winner.
- 14th February: The Research and Development Center conducted Research presentation competition for PG students.
- 15th February: The department of Management in collaboration with Pune Institute of Business Management organized a national webinar on "Corporate World in the New Normal ".
- 15th February: The Department of Chemistry organized an industrial visit for the undergraduate students to Kareli Sugar Mills
- 16th February: The department of Economics conducted an Economics awareness program at CMM School.
- 17th February: The Research and Development Center and IIC organized a national webinar on ‘Awareness of Intellectual Property Rights for Striving Minds’ by Dr. Ajay S Thakur, NIPAM, Patent Office, Mumbai
- 19th February: The Department of Management has organized a PTM for BBA I Year students.
- 19th February: The department of Hindi celebrated Ravidas Jayanti
- 19th -20th February: The department of Zoology organized an Education Excursion sponsored by DBT Star College Scheme to Bandhavgarh Tiger Reserve.

- 21st - 26th February: The department of Hindi conducted Hindi classes for the Hindi Non-Speaking students.
- 22nd February: The department of Economics conducted an Economics awareness program Army Public School No.2
- 22nd February: [M.Com.](#) III Semester [Regular] result
- 22nd- 28th February: Two students of NSS participated in the event 'Vigyan Sarwatra Pujyate' organized by Rani Durgawati University
- 23rd February: The department of Political Science organized a poster competition on "To spread the awareness on importance of voting" under the banner of Electoral Literacy Club.
- 23rd February: M.Sc. III Semester [Regular] (Biotechnology, Microbiology, Zoology) result
- 24th February: M.Sc. III Semester [Regular] (Mathematics, Computer Science, Physics, Chemistry)
- 24th – 25th February: The department of Physics celebrated Science Day
- 24th February: Meeting of the Library committee with the principal
- 25th February: M.Sc. III Semester [Regular] (English Literature, Political Science, Economics) result
- 25th February: The department of English organized poster competition on the theme 'Social Justice'.
- 26th February: The department of English conducted social experiment depicting gender sensitization and a survey on social justice.
- 26th February: The NSS unit organized a cycle rally from St. Aloysius College to Pt. Ravi Shankar Shukla Stadium.
- 26th February: The department of Political Science conducted Parents Teacher meeting for B.A I year students.
- 27th February: The department of Biotechnology organized 'Biotechotsav' on the occasion of National Science Day.
- 28th February: The department of Botany and Microbiology in association with Nature Club, organized, Poster making and best out of waste competition, under DBT star college scheme. The theme of the poster competition was – "Plan for the future- Sustainable development"
- 28th February: The department of Zoology on the occasion of Science Day conducted Biorangoli and Poster Competition on the theme 'Animal Human Relationship & Save Wildlife' sponsored by DBT Star College Scheme.
- 28th February: The department of Zoology organized health awareness programme for the female staff and students at college campus

MARCH 2022

- 2nd March: The Department of Botany organized a guest lecture on " Identification of Fungal Culture" by Dr. Rohit Sharma, SAGE University
- 3rd March: Advisory committee meeting of Star Scheme
- 3rd March: The Department of Botany conducted an interaction session with alumnus Aman Khushwaha, CSIR-NEERI Nagpur.
- 3th - 10th March: The DIC conducted Internship for 17 students from Govt. M.H. College of Home Science and Science, Jabalpur on 'Hydroponics and Plant Tissue Culture'.
- 5th March: The department of Political Science organized Youth Parliament
- 7th- 11th March: B.Sc. Final Practical conducted
- 8th March: The department of Economics celebrated international women day
- 9th- 15th March: The Department of Economics organized SPSS workshop on 'Research Methodology and Application of SPSS for Data Analysis'
- 9th- 10th March: Inter District Level Youth Festival

Quiz- Robin Singh, Ashutosh Singh (2nd Position)

Solo Song- Pratham Kushwaha (3rd Position)

- 9th - 10th March: The Department of Botany conducted an Educational Trip for undergraduate students to National Center for Biological Sciences- Tata Institute of Fundamental Research (TIFR), Pachmarhi.
- 10th- 16th March: The NSS boys unit organized seven days special camp at Kosamghat Village, Jabalpur
- 17th March: The Department of Biotechnology organized an educational trip to IISER, Bhopal for the UG students.

21st March: The Department of Botany conducted a training program on Bonsai Plants by Mrs. Manisha Dubey.

TAKE A STEP AND BE THE CHANGE